

ATTENTION BIDDERS!!

Only online bid submission shall be accepted. **“No need to submit Physical Documents”**. Hence, bidder should ensure to upload self-attested scanned copies with clear image as required by the tenderer.



**BHARATIYA RESERVE BANK NOTE MUDRAN PVT. LTD.
SALBONI**

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED*(Wholly owned subsidiary of Reserve Bank of India)*

P.O. RBNM, Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132

TENDER DOCUMENT FOR DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU
E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026

OPEN TENDER ENQUIRY (OTE)/ NATIONAL COMPETITIVE BIDDING (NCB)**Standard Bidding Document (SBD)**

(Procurement of Goods / Services / Works)

Not Transferable**BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED****(Wholly owned Subsidiary of Reserve Bank of India)****RBNML (PO), Salboni - 721 132****Dist. – Midnapore (West), West Bengal**

Phone: 03227-280212/213; Ext – 4022/4015; Fax: 03227- 280222, 280744

CIN: U22213KA1995PTC017100, GST No.: 19AAACB8111E1Z2Website: www.brbnmpl.co.in; Email: salbonipress@brbnmpl.co.in

SAL/FF/PUR/F/01/08

Security Classification: Non-Security

e-TENDER DOCUMENT FOR DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU.

Open e-Tender No. 004/SAL/PUR/2026-27 dated 22/06/2026

MSTC Event No. BRBNMPL/Salboni Press/MMD/7/26-27/ET/12 [PIDS]

This tender document contains **217 pages**The tender document is to be downloaded from website www.mstcecommerce.com

Online Pre-Bid Start Date	22/06/2026 at 17:00 hours
Online Pre-Bid End Date	13/07/2026 up to 17:00 hours
Tender Bidding Start Date & Time	12/08/2026 up to 17:00 hours
Last Date & Time for submission of tender	15/09/2026 up to 11:00 hours
Tender opening Date & Time	15/09/2026 at 11:30 hours
Cost of Tender document	NIL; (MSTC Transaction Fee is applicable)
Earnest Money Deposit (EMD)	Schedule 1: ₹ 5.00 Lakh for Salboni Schedule 2: ₹ 5.00 Lakh for Mysuru Both Schedules 1& 2: ₹ 5.00 Lakh Bidder may quote for only one schedule or both the schedules. NIL for exempted bidders (Exempted bidders are required to submit Bid Securing Declaration in lieu of EMD as per Annexure-7)

Details of contact person in BRBNMPL regarding this tender:

Name: Shri C V Giridhar, Designation: Dy. General Manager

Address : BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED**(Wholly owned Subsidiary of Reserve Bank of India)****RBNML (PO), Salboni - 721 132****Dist. – Midnapore (West), West Bengal****Phone : 03227 – 280212 / 213, Ext – 4022/4015; Fax: 03227- 280222, 280744****Email : salbonipress@brbnmpl.co.in**

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Section I	Notice Inviting Tender (NIT)	Enclosed
Section II	General Instructions to Tenderers (GIT)	Enclosed
Section III	Special Instructions to Tenderers (SIT)	Enclosed
Section IV	General Conditions of Contract (GCC)	Enclosed
Section V	Special Conditions of Contract (SCC)	Enclosed
Section VI	List of Requirements	Enclosed
Section VII	Technical Specifications / Scope of Work	Enclosed
Section VIII	Quality Control Requirements	Enclosed
Section IX	Qualification Criteria	Enclosed
Section X	Tender Form	Enclosed
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Section XIV	Manufacturer's Authorization Form	Enclosed
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Section XVII	Letter of Authority for attending a Bid Opening	Enclosed
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Annexure 1	Explanatory Note on Public Procurement (Preference to Make in India) Order, 2017	For information of Bidder
Annexure 2	Procedure for Purchase Preference under Make in India Order, 2017	
Annexure 3	Explanatory Note on Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012	
Annexure 4	Support to Start-Up Enterprises	
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E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026

Section I: Notice Inviting Tender (NIT)**BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED****(Wholly owned Subsidiary of Reserve Bank of India)****RBNML (PO), Salboni - 721 132****Dist. – Midnapore (West), West Bengal****Phone: 03227-280212/213; Ext. - 4076/ 4077; Fax: 03227- 280222, 280744****CIN: U22213KA1995PTC017100, GST No.: 19AAACB8111E1Z2**Website: www.brbnmpl.co.in; Email: salbonipress@brbnmpl.co.in**e-Tender Enquiry No. 004/SAL/PUR/2026-27****Date: 22/06/2026****1. Notice Inviting Tender (NIT)**

e-Tenders are invited from eligible and qualified tenderers meeting Qualification Criteria (Section IX) for procurement of the following works: -

Schedule No.	Brief description of Works	Quantity (with UoM)	Earnest Money (in ₹)	Remarks
I	DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU. <i>[For detailed Scope of work please refer Section–VII]</i>	As per BOQ at Section XI: Price Schedule	➤ Schedule 1: ₹ 5.00 lakh for Salboni ➤ Schedule 2: ₹ 5.00 lakh for Mysuru ➤ Both Schedules 1 & 2: ₹ 5.00 lakh	EMD: NIL for exempted bidders (Exempted bidders are required to submit Bid Securing Declaration in lieu of EMD as per Annexure-7)

Note: Bidders can quote for any one schedule or both the Schedules provided they meet the required eligibility criteria. EMD has to be submitted for the quoted Schedule/s accordingly. The Tender shall be finalized on the basis of Schedule wise lowest (L1) bidder from eligible bidders as per Section XI and as per other terms & conditions of the tender.

Type of Tender (Two Bid / PQB / EOI / RC / Development / Indigenization / Disposal of Scrap / Security item etc.)	Two-part Bid (Part-I Techno-commercial bid and Part-II Financial / Price bid)
Date of Sale of e-Tender Document	From 22/06/2026 to 15/09/2026 at the website www.mstcecommerce.com
Price of the e-Tender Document	NIL; For MSTC, refer www.mstcecommerce.com
Place of Sale of e-Tender Document	To be downloaded from website www.mstcecommerce.com
Closing date and time for receipt of e-Tenders	15/09/2026 at 11:00 AM
Place of receipt of e-Tenders	The bids are to be submitted online at www.mstcecommerce.com/eprocn
Time and date of opening of e-Tenders	15/09/2026 at 11:30 AM
Place of opening of e-Tenders	Online at www.mstcecommerce.com

2. Bidders must read the complete ‘Tender Document’

This NIT is an integral part of the Tender Document and serves a limited purpose of invitation, and does not purport to contain all relevant details for submission of bids. Bidders must go through the complete Tender Document for details before submission of their Bids.

3. Availability of the Tender Document

Interested tenderers may obtain further information about this tender from the above office selling the documents. They may also visit our website www.brbnmpl.co.in for further details. In case of e-tenders, the tender document shall be published on the nominated e-Procurement portal. It shall be available for download after the date and time of the start of availability till the deadline for availability. Unless otherwise stipulated, the downloaded Tender Document is free of cost. If the office happens to be closed on the deadline for submitting the bids as specified above, this deadline shall *not* be extended in case of e-tenders.

4. Eligibility Criteria for Participation in this Tender

Subject to provisions in the Tender Document, participation in this Tender Process is open to all bidders who fulfil the 'Eligibility' and 'Qualification' criteria. Bidder should meet the following eligibility criteria as of the date of his bid submission and should continue to meet these till the award of the contract. Bidder shall be required to declare fulfilment of Eligibility Criteria in Section XVIII (Eligibility Declarations). The Bidder, unless otherwise stipulated

(i) must,

- a) be a natural person, private entity, or public entity (State-owned enterprise or institution).
- b) unless explicitly permitted, not be (or proposes to be, a Joint Venture/ Consortium (an association of several persons, firms, or companies - hereinafter referred to as JV/C).
- c) be a manufacturer of the product offered or be authorized representative by the Principal/OEM or be dealer authorised by the Principal/OEM.

(ii) must,

- a) not be insolvent, in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not have its business activities suspended and must not be the subject of legal proceedings for any of these reasons.
- b) (including their affiliates or subsidiaries or Contractors/subcontractors for any part of the contract)
 - 1) Not stand declared ineligible / blacklisted / banned / debarred by BRBNMPL or its subsidiaries or by Ministry / Department of GoI from participation in their Tender Processes or by any Government Agency anywhere in the world, for participating in their tenders, under that country's laws or official regulations; and / or
 - 2) Not be convicted (within three years preceding the last date of bid submission) or stand declared ineligible / suspended / blacklisted / banned / debarred by appropriate agencies of Government of India from participation in Tender Processes of all of its entities, for:
 - offences involving moral turpitude in business dealings under the Prevention of Corruption Act, 1988 or any other law; and/or
 - offences under the Indian Penal Code or any other law for causing any loss of life/ limbs/ property or endangering Public Health during the execution of a public procurement contract and/ or
 - suspected to be or of doubtful loyalty to the Country or a National Security risk as determined by appropriate agencies of the Government of India.
 - 3) Not have changed its name or created a new business entity as covered by the definition of "Allied Firm", consequent to having been declared ineligible/ suspended/

blacklisted/ banned/ debarred;

- 4) Not have an association (as a bidder/ partner/ director/ employee in any capacity)
- of retired official of BRBNMPL if such a retired person has not completed the cooling-off period of one year after his retirement. However, this shall not apply if such officers have obtained a waiver of the cooling-off period from their erstwhile organisation.
 - of the near relations of executives of BRBNMPL involved in this Tender Process
- c) Not have a conflict of interest, which substantially affects fair competition. The prices quoted should be competitive and without adopting any unfair/ unethical/ anti-competitive means. No attempt should be made to induce any other bidder to submit or not to submit an offer for restricting competition
- (iii) must fulfil any other additional eligibility condition, if any, as may be prescribed elsewhere in Tender Document.
- (iv) must provide such evidence of their continued eligibility to the Procuring Entity if so requested.
- (v) of Class-II Local Suppliers and Non-Local Suppliers (as defined in Make-in-India policy) shall be eligible subject to certain conditions as detailed subsequently.
- (vi) from specified countries having land borders with India (but not in development partnership with India) shall be eligible subject to certain conditions as detailed subsequently.
- (vii) If this to be a procurement process for the second stage of two-stage / Pre-Qualification Bidding (PQB) after shortlisting qualified bidders in the EoI / PQB stage, then only the bidders shortlisted / qualified in the first stage shall be eligible to participate.

5. Purchase Preference Policies of the Government

As detailed in the tender document, BRBNMPL reserves its right to grant preferences to eligible bidders under various Government Policies/directives (policies relating to Make in India; MSME; Start-ups etc.)

6. Pre-bid Conference

If so indicated, Bidders are requested to attend a Pre-bid conference for clarification on the Tenders' technical specifications and commercial conditions, on the time, date, and place mentioned therein. Participation in such a Pre-bid Conference is not mandatory. If a bidder does not participate or submit any query, then no subsequent representations from them regarding the Technical/ commercial specifications/ conditions shall be entertained.

7. Submission of Bids in case of e-tenders

- (i) Bids must be uploaded on the nominated e-Procurement portal (MSTC) till the deadline for submission. If the office happens to be closed on the deadline to submit the bids as specified above, this deadline shall not be extended.
- (ii) Unless otherwise stipulated, **the following sections & annexures need to be filled, digitally signed and uploaded as part of the Bid: -**
1. List of Requirements – Compliance

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2. Scope of Work – Compliance
3. Quality Control Requirements – Compliance
4. Section X : Tender Form (To serve as a covering letter to both the Techno-commercial & Financial Bids)
5. Section XI : Price Schedule
6. Section XII : Bidder Information
7. Section XIV : Manufacturer's Authorization Form, if applicable
8. Section XVII : Letter of Authority for attending a Bid Opening
9. Section XVIII : Eligibility Declarations
10. Section XX : Proforma for Pre-Contract Integrity Pact, if applicable
11. Annexure 7 : Bid Securing Declaration (for exempted bidders)
12. Annexure 8 : Assessment of capability of Bidder, if asked
13. Annexure 9 : Performance Statement
14. Annexure 10 : Statement of Financial Standing, if required
15. Annexure 11 : NEFT Mandate Form
16. Annexure 12 : Terms and Conditions – Compliance
17. Annexure 13 : Undertaking to provide financial support to our wholly owned subsidiary, if applicable
18. Annexure 14 : Checklist for Bidders

In addition to above, **the following sections and/or annexures need to be digitally signed and uploaded as part of the Bid: -**

1. Section III : Special Instructions to Tenderers (SIT)
2. Section V : Special Conditions of Contract (SCC)
3. Section VII : Scope of Work

- (iii) Only online bid submission shall be accepted. **"No need to submit Physical Documents"**. Hence, bidder should ensure to upload self-attested scanned copies with clear image as required by the tenderer. Failure to do so is likely to result in the bid being rejected.

NOTE: The Price Bid / Price Schedule shall have to be submitted online at www.mstcecommerce.com/eprocn. Any price indication in the Technical Bid (Uploaded) shall be summarily rejected.

- (iv) While uploading scanned copies, bidder should ensure that no discrepancies should exist. Any substantive discrepancy shall be construed as a violation of the Code of Ethics, and the bid shall be liable to be rejected as non-responsive in addition to other punitive actions under the Tender Document for violation of the Code of Ethics.
- (v) In case of e-tenders, no manual Bids shall be accepted for submission. Bidder must comply with the conditions of the eProcurement portal, including registration, compatible Digital Signature Certificate (DSC) etc. In the case of downloaded documents, Bidder must not make any changes to the contents of the documents while uploading, except for filling in the required information.

8. Bid Opening in case of e-tenders

Bids received shall be opened online at the specified date and time. If the office is closed on the specified date of opening of the bids, the opening shall be done on the next working day at the same time.

9. Tenderers are required to register themselves online at www.mstcecommerce.com. They may obtain further information about the tender from the office issuing the tender or visit our website www.brbnmpl.co.in.

10. Guidelines for filling in MSTC Portal

- A. Registration:** The process involves vendor's registration with MSTC e-procurement portal which is free of cost. Only after registration, the vendor(s) can submit his/their bids electronically. This submission of bids shall be done over the internet. The Vendor should possess a valid Class III signing and encryption type digital signature certificate. Vendors are to make their own arrangement for bidding from a computer connected with Internet. MSTC is not responsible for making such arrangement. (Bids will not be recorded without Digital Signature).

SPECIAL NOTE: THE PRICE BID SHALL HAVE TO BE SUBMITTED ON-LINE AT www.mstcecommerce.com/eprocn

- (i) Vendors are required to register themselves online at <https://www.mstcecommerce.com/eprocn> → Register (Filling up details and creating own user id and password) → Submit. Please follow the 'Registration Guide' available in the Registration link before proceeding.
- (ii) Vendors will receive a system generated mail confirming the registration in their email which has been provided during filling the registration form.
- (iii) The Vendors shall have to subscribe to the buyers and categories in order to receive system generated mails. In order to subscribe, a vendor has to login and click on 'My Subscription' followed by 'Add Subscription'. On successful subscription, a system generated mail shall be forwarded to the vendor. Please follow the guide for 'Subscription' of 'Download Guides' available in the Dashboard before proceeding.

In case of any clarification, please contact BRBNMPL/MSTC, **(at least 07 days prior to the scheduled opening of the e-tender).**

Contact Persons (BRBNMPL):

- (i) Shri C V Giridhar, DGM
Phone: 03227-280212/213
Ext. - 4076
E-mail: cvgiridhar@brbnmpl.co.in

- (ii) Dr. Udayan Gupt
General Manager
Phone: 03227-280212/213
Ext. - 4025
E-mail: udayangupt@brbnmpl.co.in

Contact Persons (MSTC):

- (i) Shri K Kranthi Kumar
Asst. Manager (ERO)
Mobile: 9174009882
E-mail: kkkumar@mstcindia.co.in

- (ii) Shri Sabyasachi Mukherjee
Manager (ERO)
Mobile: 7278030407
E-mail: smukherjee@mstcindia.co.in

For Technical Assistance at MSTC Ltd: 07969066600

B. System Requirement:

- a) Operating System –Windows 7 and above
- b) Web Browser - Google Chrome /Edge/ Firefox
- c) System Settings: As the procedure mentioned in the webpage:
<https://www.mstcecommerce.com/eprocn>
- d) Java: JRE 8 Latest update

C. Type of Tender

- (i) Part I: Techno-Commercial bid will be opened electronically on specified date and time as given in the NIT. Bidder(s) can witness electronic opening of bid.
- (ii) Part II Price bid will be opened electronically of only those bidder(s) whose

Part I Techno-Commercial Bid is found to be Techno-Commercially acceptable by BRBNMPL. Such bidder(s) will be intimated date of opening of Part II Price bid, through valid email confirmed by them.

- D.** All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.

E. Special Note towards Transaction fee:

The vendors shall pay the transaction fee (non - refundable) to MSTC using "Transaction Fee Payment" Link under "My Menu" in the vendor login. The vendors have to select the particular tender from the event dropdown box. The vendor shall have the facility of making the payment either through NEFT or Online Payment. Bidders are advised to remit the transaction fee well in advance before the closing time of the event so as to give themselves sufficient time to submit the bid.

Bidders may please note that the transaction fee should be deposited by debiting the account of the bidder only; Transaction Fee deposited from or by debiting any other party's account will not be accepted. Transaction Fee is non - refundable.

In case of failure to access the payment towards Transaction Fee for any reason, the vendor, in term, will not have the access to online e-tender.

- F.** In case of failure to access the payment towards cost of tender document & EMD for any reason, the vender, in term, will not have the access to on line e-tender and no correspondence in this respect will be entertained and BRBNMPL will not be responsible for any such lapses on this account. Bidder(s) are advised to make remittance of tender fee and EMD through Bank Draft / Banker's Cheque / Pay Order etc. well in advance and upload the scanned copy of the same.

The bidders may upload the bidding related documents in the link 'My Documents'. The documents uploaded here shall be available for attaching with this event in the Bid Floor.

Once documents are uploaded in 'My documents', vendors can attach documents through Attach Document link against the particular tender. For further assistance, please follow instructions of vendor guide.

- G.** All notices and correspondence to the bidder(s) shall be sent by email only during the process till finalization of tender by BRBNMPL. Hence the bidders are required to ensure that their corporate email I.D. provided is valid and updated at the stage of registration of vendor with MSTC (i.e., Service Provider). Bidders are also requested to ensure validity of their DSC (Digital Signature Certificate).

- H.** (i) Please note that there is no provision to take out the list of parties downloading the tender document from the website mentioned in NIT. As such, bidders are requested to see the website once again before the due date of tender opening to ensure that they have not missed any corrigendum uploaded against the said tender after downloading the tender document. The responsibility of downloading the related corrigenda, if any, will be that of the downloading parties.
- (ii) No separate intimation in respect of corrigendum to this NIT (if any) will be sent to tenderer (s) who have downloaded the documents from website. Please see website www.mstcecommerce.com/eprocn of MSTC Ltd.

- I.** E-tender cannot be accessed after the due date and time mentioned in NIT.

- J.** Bidding in e-tender:

- (i) Bidder(s) need to submit necessary EMD/ EMD declaration on letter head, Cost of Tender documents and Transaction fees to be eligible to bid online in the e-tender. Cost of Tender documents and Transaction fees are non-refundable. No interest will be paid on EMD. EMD if submitted of the unsuccessful bidder(s) will be refunded by BRBNMPL.
- (ii) The process involves Electronic Bidding for submission of Techno Commercial Bid as well as Price Bid.
- (iii) The bidder(s) can submit their Bid through internet in MSTC Website www.mstcecommerce.com/eprocn
- (iv) The bidder should allow to run an application namely enApple by accepting the risk and clicking on run button. This exercise has to be done twice immediately after clicking on the Techno-Commercial bid. If this application is not run, then the bidder will not be able to save / submit his bid.
- (v) In order to submit bid, a vendor has to go to 'Events' from the menu and select 'Bid Floor'. The vendor has to select the buyer 'MSTC Limited' from the buyer list in order to view the live events list. The correct event has to be selected from the event list for participation. A vendor has to submit 'Event wise bid details' that may consist of 'Pre-Qualification Criteria', 'Common Terms' and/ or 'Document Attach'. A vendor must save the Pre-Qualification Criteria, Common Terms and/ or attach documents by clicking the respective buttons. Once the event specific bids are saved, the status is updated in 'Event specific bid status' and the 'Item specific bid' button appears on the bid floor. Thereafter vendor must click button under 'Technical Cover' in order to save the technical bid for specific lots. Once the technical bid is saved, the 'Price Cover' button appears on the screen for respective lots. Once price bid is saved, the vendor must click on 'Final Submit'. On final submission of bid, the status of the bid submission shall display 'Bid submitted' under 'Item specific bid status'. A vendor shall receive system generated mail.
- (vi) The bid cannot be revised once the Final Submit button has been clicked by the bidder. However, if the bidder wishes to change their bids, then they may delete the bid and re- submit the same.
 - a) In all cases, bidder should use their own ID and Password along with Digital Signature at the time of submission of their bid.
 - b) During the entire e-tender process, the bidders will remain completely anonymous to one another and also to everybody else.
 - c) The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.
 - d) All electronic bids submitted during the e-tender process shall be legally binding on the bidder. Any bid will be considered as the valid bid offered by that bidder and acceptance of the same by the Buyer will form a binding contract between Buyer and the Bidder for execution of supply. Such successful tenderer shall be called hereafter CONTRACTOR.
 - e) It is mandatory that all the bids are submitted with digital signature certificate as otherwise the same will not be accepted by the system.
 - f) No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any bidder confirms his acceptance of terms & conditions for the tender.
 - g) Unit of Measure (UOM) is indicated in the e-tender Floor. Rate to be

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quoted should be in Indian Rupee as per UOM indicated in the e-tender floor / tender document.

- K.** Any order resulting from this e-tender shall be governed by the terms and conditions mentioned therein.
11. The online tender should be submitted strictly as per the terms and conditions and procedures laid down in the website www.mstcecommerce.com/eproc of MSTC Ltd.
 12. Bids must be uploaded on the MSTC Website www.mstcecommerce.com/eproc till the deadline for submission. If the office happens to be closed on the deadline to submit the bids as specified above, this deadline shall not be extended.
 13. Earnest Money Deposit (EMD) may be furnished through following modes of payment: -
 - (i) Insurance Surety Bond
 - (ii) Account Payee Demand Draft / Banker's cheque drawn from any branch of SBI in India, in favour of Bharatiya Reserve Bank Note Mudran (P) Limited, payable at State Bank of India, Note Press Branch (Branch Code No: 3558), Salboni, P.O.-R.B.N.M.L., PIN-721132, Dist.-West Midnapore, West Bengal, if drawn from any branch of SBI in India. If drawn from any other scheduled Commercial Bank in India, it should be payable at Midnapore.
 - (iii) Online Bank Transfer (Proof of online transfer should be submitted along with the Techno- Commercial Bid (Part - I)) through NEFT/RTGS can be made at the following BRBNMPL account maintained with Salboni Note Press Branch of State Bank of India:

Beneficiary Name	Bharatiya Reserve Bank Note Mudran (P) Ltd
Name & Address of the Beneficiary	PO-RBNML, Salboni-721132, Dist.-West Midnapore, West Bengal
Bankers Name & Branch Address	State Bank of India, Note Press Branch, Salboni, PO-RBNML, PIN-721132, Dist. -West Midnapore, West Bengal
Account Type and Number	Cash Credit / 11678747799
IFSC Code /MICR Number	IFSC Code: SBIN0003558 / 721002804

- (iv) Other Electronic Modes of Payment as per UPI id and QR code given below:
- a) Other Electronic mode of payment such as Debit Card powered by RuPay
 - b) Unified Payments Interface (UPI) (BHIM-UPI), Unified Payments Interface Quick Response Code (UPI QR Code) (BHIM-UPI QR Code)



Note: In case of (iii) and (iv) mode of payments, bidders are requested to send proof of the same, after completion of transaction, to the contact email given in the tender by giving reference of the Tender number, Name of company/firm and mobile number.

14. **Exemption for MSEs and Start-ups:** The tenderers who are currently registered and shall continue to remain registered during the tender validity period with BRBNMPL (except for NCB/ICB Tender) or as a Micro and Small Enterprise (MSE) as defined in MSEs Order 2012 issued by Ministry of Micro, Small and Medium Enterprises (MoMSME) or as a Start-up as recognised by Department for Promotion of Industry and Internal Trade (DPIIT), are exempted from payment of **tender fee** and **earnest money**. In case the tenderer falls in these categories, it should furnish certified copy of its valid registration details (registration with BRBNMPL or as a MSE or Start-up, as the case may be).
15. The vendors registered with the Central Purchase Organization (CPO) such as GeM as “Registered Suppliers” may also be considered as registered suppliers for BRBNMPL.
16. All Bidders shall have to sign the Integrity Pact with the purchaser as per format given in Section XX, otherwise, their bids are liable to be summarily rejected. Details of IEMs for this tender is furnished below:
- Name : /
- Address : **(Not applicable for this tender)**
- Email : /
17. Tenderer shall note that the tender document is kept same for all schedules, if more than one schedule is specified, for administrative convenience. BRBNMPL reserves the right to conclude contract for each schedule independently as per the response and qualification.
18. Submission of authentic documents in time is the prime responsibility of the bidder. In case of ambiguity or incomplete documents pertaining to bid submitted, bidders may be given only one opportunity with a fixed deadline after bid opening to provide complete and unambiguous documents in support of meeting Pre-Qualification Criteria. In case the bidder fails to submit any document or submits incomplete documents within the given time, bidder’s tender shall be rejected.
19. BRBNMPL reserves the right to complete the evaluation based on the details furnished with the bid without seeking any additional information.
20. The tenderer shall satisfy BRBNMPL that they are competent and authorized to submit tender and/or to enter into a legally binding contract with BRBNMPL.
21. Incomplete Bid documents submitted not in accordance with the directions issued shall be liable for rejection. A Tender shall be liable for rejection in the following circumstances:
- **Non-submission of EMD or “Bid Securing Declaration in lieu of EMD”** in the Company Letterhead as per Annexure 7.
 - Does not fulfil minimum pre-qualification criteria as per the Tender Documents.
 - Late submission of originals (or self-attested copies of originals) i.e., after the bid submission deadline.
 - Unsolicited bids (applicable for LTE only).
 - Stipulates the validity period less than what is stated in the Tender Documents.
 - Stipulates his own conditions and does not agree to withdraw the deviations, rendering his bid unacceptable.
 - Does not disclose the full names and addresses of all his Partners or Directors as applicable wherever called for in the tender.
 - Does not submit bid in the prescribed format making it impossible to evaluate the bid.
 - Indulges in tampering of tender documents.

- Does not conform to any tender condition which stipulates non-conformance of tender conditions as a rejection criteria.
22. No counter condition/s shall be accepted against the tender enquiry.
23. If any clarification is required, bidders are advised to send their request in writing to the contact details mentioned at Page 1 of this tender so as to reach **at least 07 days prior** to date of opening of the tender. (Not applicable for this tender as pre-bid provision is available in tender).
24. **Disclaimers and Rights of Procuring Entity**
- The issue of the Tender Document does not imply that BRBNMPL is bound to select bid(s), and it reserves the right without assigning any reason to
- (i) reject any or all of the Bids, or
 - (ii) cancel the tender process; or
 - (iii) abandon the procurement of the Works; or
 - (iv) issue another tender for identical or similar Works

Important Note: Offers submitted not in line with the above guidelines will be liable for rejection.

Yours faithfully,
For & On behalf of BRBNMPL

Sd/-

General Manager - MMD

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED

(Wholly owned Subsidiary of Reserve Bank of India)

RBNML (PO), Salboni - 721 132

Phone: 03227-280176

Section II: General Instructions to Tenderer (GIT)

Part I: General Instructions Applicable to all Types of Tenders

A PREAMBLE

1. Introduction

- 1.1 Interpretations, Definitions and abbreviations which have been used in these documents, shall have the meanings as indicated in GCC.
- 1.2 For sake of convenience, whole of this Standard Bidding Document (including all sections) is written in reference to Procurement of Goods Tenders. However, this SBD would be utilized for all types of Tenders e.g. EOI, PQB, Rate Contract, Tenders involving Samples, Sale / Disposal of Scrap Material and Development / indigenization / Make in India etc., Procurement of Services etc. Therefore, the construction of all clauses is to be interpreted in the context of particular type of tender beyond the letter of the clause, read with the additional clauses for the specific type of tenders in Part II GIT/GCC.
- 1.3 These tender documents have been issued for the requirements mentioned in Section - VI - "List of Requirements", which also indicates, inter-alia, the required delivery schedule and terms & place (i.e. destination) of delivery.
- 1.4 This section (Section II - "General Instruction to Tenderers" - GIT) provides the relevant information as well as instructions to assist the prospective tenderers in preparation and submission of tenders. It also includes the mode and procedure to be adopted for receipt and opening as well as scrutiny and evaluation of tenders and subsequent placement of contract. With this limited objective, GIT is not intended to be complete by itself and the rest of this document - SIT, GCC and SCC in particular may also be thoroughly studied before filling up the Tender Document. There would be certain topics covered in GIT/SIT as well as in GCC/SCC from different perspectives. In case of any conflict between these, provisions of GCC/ SCC would prevail.
- 1.5 The tenderers shall also read the Special Instructions to Tenderers (SIT) related to this purchase, as contained in Section III of these documents and follow the same accordingly. Whenever there is a conflict between the GIT and the SIT, the provisions contained in the SIT shall prevail over those in the GIT.
- 1.6 **Local Conditions** It is imperative that each bidder fully acquaints himself with all the local conditions and factors, which would have any effect on the performance / completion of the contract in all respects inter alia including the legal, environmental, infrastructure, Logistics, communications, and cost aspects. Bidders would themselves be responsible for compliance with Rules, Regulations, Laws and Acts in force from time to time in India and/ or country of manufacture & supply. On such matters, the Purchaser shall not entertain any request from the bidders.
- 1.7 **Obtaining the Tender Documents:** Interested tenderers may obtain further information about this requirement from the office issuing the documents, mentioned in the NIT. They may also visit website mentioned therein for further details.
- 1.7.1 Tenderer may also download the tender document from the website mentioned in NIT and submit its tender by utilizing the downloaded document. The bidder must not make any changes to the contents of the tender document, except for filling the required information. A certificate to this effect must be submitted by the bidder in the Tender Form (Section X).
- 1.7.2 The tender documents are not transferable.

2. Language of Tender

The tender submitted by the tenderer and all subsequent correspondence and documents relating to the tender exchanged between the tenderer and BRBNMPL, shall be written in English or Hindi language, unless otherwise specified in the Tender. However, the language of any printed literature furnished by the tenderer in connection with its tender may be written in any other language provided the same is accompanied by Hindi or English translation. For purposes of interpretation of the tender, the English translation shall prevail.

3. Eligible Tenderers

- 3.1 This invitation for tenders is open to all suppliers who fulfil the 'eligibility' and 'qualification' criteria specified in these documents. Bidder should meet (as on the date of his bid submission and should continue to meet till the award of the contract) the 'Eligibility Criteria' detailed in NIT clause 4. Please refer to Section IX - Qualification criteria and Section XVIII - Eligibility Declarations. In case of Second Stage (after the Pre-Qualification stage) of two Stage Bidding or in case of Special Limited Tenders this invitation is open only to such bidders who have been shortlisted.
- 3.2 The bidder, their affiliates, or subsidiaries – including subcontractors or suppliers for any part of the contract – should not stand declared ineligible/blacklisted/banned/debarred by BRBNMPL or its subsidiaries or by Ministry / Department of GoI from participation in their Tender Processes or by any Government Agency anywhere in the world, for participating in its tenders, under that country's laws or official regulations. A declaration to this effect shall be submitted by the bidder in the Eligibility Declarations (Section XVIII).
- 3.3 Unless otherwise stipulated in the tender, Joint Ventures/Consortiums shall not be considered in this Tender.
- 3.4 Under Public Procurement (Preference to Make in India) Order 2017 (as amended/revised from time to time), entities from such countries identified as not allowing Indian companies to participate in their Government procurement shall not be allowed to participate on a reciprocal basis in this tender. For this purpose, a supplier or bidder shall be considered to be from a country if (i) the entity is incorporated in that country, or ii) a majority of its shareholding or effective control of the entity is exercised from that country; or (iii) more than 50% of the value of the item being supplied has been added in that country. Indian suppliers shall mean those entities which meet any of these tests with respect to India. Please refer to Section XVIII - Eligibility Declarations.
- 3.5 Orders issued by the Government of India regarding purchase preference to "Local Suppliers" to encourage 'Make in India' and promote manufacturing and production of goods and services in India shall apply to this procurement under Government of India's Public Procurement (Preference to Make in India) Order, 2017 (as amended from time to time). Please refer to Annexure 1 of this tender document.
- 3.5.1 **Minimum local content for eligibility to participate:** Only bidders meeting the minimum prescribed local content for the product shall be eligible to participate subject to the following conditions.
- 3.5.2 Based on the Make in India Policy, classes of local / non-local Suppliers eligible to participate in the tender shall be declared in the tender document. If not so declared, only Class-I and Class-II local Suppliers shall be eligible to participate and **not** non-local Suppliers.
- 3.6 Government of India, Ministry of Finance, Department

- of Expenditure, Public Procurement Division's Orders (Public Procurement 1, 2 and 3) vide F.No.6/18/2019-PPD dated 23rd/24th July 2020 (or any further amendments thereof) regarding eligibility of bidders from neighbouring countries sharing land border with India, shall apply to this tender. Please refer to XVIII – Eligibility Declarations and Annexure 6 of this tender document.
- 3.7 In case Integrity Pact is mandated in the NIT/SIT, only those bidders who sign the Integrity Pact, would be eligible to participate in the Tender.
- 3.8 Any bidder having a conflict of interest, which substantially affects fair competition, shall not be eligible to bid in this tender. Bids found to have a conflict of interest shall be rejected as nonresponsive. Bidder shall be required to declare the absence of such conflict of interest in Section XVIII Eligibility Declarations.
4. **Eligible Goods Services - Country of Origin and Minimum Local Content**
Unless otherwise stipulated in SCC or Contract, the country of origin of 'Goods' and 'incidental Works/Service' to be supplied under the contract shall have their origin in India or other countries and must conform to the declaration made by the contractor in its bid regarding but not limited to i) restrictions on certain countries with land-borders with India; ii) minimum local content and location of value addition (Make in India Policy); iii) Contractor's status as MSE or Start-up. The term "origin" used in this clause means where the goods (including subcontracted components) are mined, grown, produced, or manufactured or from where the incidental Works/ Services are arranged and supplied.
5. **Tendering Expense**
The tenderer shall bear all costs and expenditure incurred and / or to be incurred by it in connection with its tender including preparation, mailing and submission of its tender and for subsequent processing the same. BRBNMPL will, in no case be responsible or liable for any such cost, expenditure etc. regardless of the conduct or outcome of the tendering process.
- B TENDER DOCUMENTS**
6. **Content of Tender Documents**
- 6.1 **The tender document includes: -**
1. Section I : Notice Inviting Tender (NIT)
 2. Section II : General Instructions to Tenderers (GIT)
 3. Section III : Special Instructions to Tenderers (SIT)
 4. Section IV : General Conditions of Contract (GCC)
 5. Section V : Special Conditions of Contract (SCC)
 6. Section VI : List of Requirements
 7. Section VII : Technical Specifications/Scope of Work
 8. Section VIII : Quality Control Requirements
 9. Section IX : Qualification Criteria
 10. Section X : Tender Form
 11. Section XI : Price Schedule
 12. Section XII : Bidder Information
 13. Section XIII : Bank Guarantee Form for EMD
 14. Section XIV : Manufacturer's Authorization Form
 15. Section XV : Bank Guarantee Form for Performance Security
 16. Section XVI : Contract Form
 17. Section XVII : Letter of Authority for attending a Bid Opening
 18. Section XVIII : Eligibility Declarations
 19. Section XIX : Proforma of Bills for Payments
 20. Section XX : Proforma for Pre-Contract Integrity Pact
- 6.2 The relevant details of the required goods and services, the terms, conditions and procedure for tendering, tender evaluation, placement of contract, the applicable contract terms and, also, the standard formats to be used for this purpose are incorporated in the above-mentioned documents. The interested tenderers before formulating the tender and submitting the same to BRBNMPL, should read and examine all the terms, conditions, instructions etc. contained in the tender documents. Failure to provide and / or comply with the required information, instructions etc. incorporated in these tender documents may result in rejection of its tender.
7. **Amendments to Tender Documents**
- 7.1 At any time prior to the deadline for submission of tenders, BRBNMPL may, for any reason deemed fit by it, modify the tender documents by issuing suitable amendments to it.
- 7.2 Such an amendment will be uploaded in the website and notified in writing by registered / speed post or by fax / telex / e-mail, followed by copy of the same by suitable recorded post to all prospective tenderers, which have received the tender documents and will be binding on them.
- 7.3 In order to provide reasonable time to the prospective tenderers to take necessary action in preparing their tenders as per the amendment, BRBNMPL may, at its discretion extend the deadline for the submission of tenders and other allied time frames, which are linked with that deadline.
8. **Pre-Bid conference**
- 8.1 If found necessary, a pre-bid conference may be stipulated in the SIT, for clarification / amendment to Technical specifications / techno-commercial conditions in two-bid tenders.
- 8.2 Participation is not mandatory, however, in case a bidder chooses not to participate (or fails to do so) in the pre-bid conference, it would be assumed that they have no issues regarding the Technical / commercial specifications / conditions.
- 8.3 After the pre-bid conference a clarification letter would be issued, containing amendments if required, of various provisions of the Bid-Documents, which shall form part of the Bid-document.
9. **Clarification of Tender Documents**
Prospective bidders must interpret the provisions in the Bid document in the context in which they appear. Any interpretation of the provisions far removed from such context or any other contrived interpretation or interpretation between the lines is not acceptable. A Tenderer requiring any clarification or elucidation on any issue of the tender documents may take up the same with BRBNMPL in writing or by fax / e-mail / telex. BRBNMPL will respond in writing to such request provided the same is received by BRBNMPL prior to the prescribed date of submission of tender. Copies of the query and clarification shall be sent to all prospective bidders who have received the bidding documents.
- C PREPARATION OF TENDERS**
10. **Documents Comprising the Tender**
- 10.1 Unless otherwise indicated in NIT/SIT, "Technical bid" shall include inter-alia (including any changes in the following as per NIT/ SIT):
- a) Tender Form/Covering letter as per format in Section X.
 - b) Section VI - List of Requirements, showing the schedules and quantities quoted.
 - c) Documentary evidence, as necessary in terms of GIT clauses 3 and 16 establishing that the tenderer is eligible to submit the tender and, also, qualified to perform the contract if its tender is accepted.
 - d) Documents and relevant details to establish in accordance with GIT clause 17 that the goods and the allied services to be supplied by the tenderer conform to the requirement of the tender documents along with list of deviations if any (ref clause 17.2 of GIT). The tenderers may also enclose in their tenders, technical literature and other documents as and if considered necessary by them.

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| <p>e) Earnest money furnished in accordance with GIT clause 18.1 alternatively, documentary evidence as per GIT clause 18.2 for claiming exemption from payment of earnest money. and</p> <p>f) Bidder Information as per Section XII.</p> <p>g) Manufacturer's Authorization Form (ref Section XIV, if applicable)</p> <p>h) A list of deviations (ref Clause 19.4) from the clauses of this SBD, if any.</p> <p>i) If stipulated in NIT/SIT, duly signed Integrity Pact as per Section XX.
<i>Note: No price details shall be disclosed or hinted upon in any manner in the Technical bid.</i></p> <p>10.2 Unless otherwise indicated in NIT/ SIT, "Financial Bid" shall include inter-alia (including any changes in the following as per NIT/ SIT):</p> <p>a) Price Schedule (Section XI) and all financially relevant details. Prices shall be quoted duly taking into consideration, the Payment and delivery terms.
<i>Note: No additional Technical details, which have not been brought out in the Technical Bid, may be brought out in the Financial Bid.</i></p> <p>10.3 A tender, that does not fulfil any of the above requirements and / or gives evasive information / reply against any such requirement, shall be liable to be ignored and rejected.</p> <p>10.3 Tender sent by fax/email/telex/cable shall be ignored.</p> <p>11. Tender currencies</p> <p>11.1 Unless otherwise specified, the tenderer shall quote only in Indian rupees.</p> <p>11.2 Where the tender condition specifies acceptance of quotations in different currencies, then, for domestic goods, prices shall be quoted in Indian rupees only and for imported goods, prices shall be quoted either in Indian rupees or in the currency stipulated in the SIT, mentioning, inter-alia, the exchange rate adopted for converting foreign currency into Indian Rupees. As regards price(s) for allied services, if any, required with the goods, the same shall be quoted in Indian Rupees if such services are to be performed / undertaken in India.</p> <p>11.3 Tenders, where prices are quoted in any other way shall be treated as unresponsive and rejected.</p> <p>12. Tender Prices</p> <p>12.1 The Tenderer shall indicate on the Price Schedule provided under Section XI all the specified components of prices shown therein including the unit prices and total tender prices of the goods and services it proposes to supply against the requirement. All the columns shown in the price schedule should be filled up as required. If any column does not apply to a tenderer, same should be clarified accordingly by the tenderer.</p> <p>12.2 If there is more than one schedule in the List of Requirements, the tenderer has the option to submit its quotation for any one or more schedules and, also, to offer special discount for combined schedules. However, while quoting for a schedule, the tenderer shall quote for the complete requirement of goods and services as specified in that particular schedule.</p> <p>12.3 The quoted prices for goods offered from within India (goods manufactured in India or goods of foreign origin already located in India) and that for goods of foreign origin offered from abroad are to be indicated separately in the applicable Price Schedules attached under Section XI.</p> <p>12.4 While filling up the columns of the price schedule, the following aspects should be noted for compliance:</p> <p>12.5 For goods offered from within India (goods manufactured in India or goods of foreign origin already located in India), the prices in the corresponding price schedule shall be entered separately in the following manner:</p> <p>a) The price of the goods, quoted ex-factory, ex-showroom,</p> | <p>ex-warehouse or off-the-shelf, as applicable, including Goods and services Tax, Customs duty or any other similar duties and taxes already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory etc. or on the previously imported goods of foreign origin quoted ex-showroom etc.</p> <p>b) Goods and Services Tax, which will be payable on the goods in India if the contract is awarded.</p> <p>c) Charges towards inland transportation, insurance and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and</p> <p>d) The price of incidental services, as and if mentioned in List of Requirements.</p> <p>12.6 For goods of foreign origin offered from abroad, the prices in the corresponding price schedule shall be entered separately in the following manner:</p> <p>a) The price of goods quoted FAS / FOB port of shipment, CIF port of entry in India or CIF specified place of destination in India as indicated in the List of Requirements,</p> <p>b) Wherever applicable, the amount of custom duty and import duty on the goods to be imported.</p> <p>c) The charges for inland transportation, insurance and other local costs incidental to delivery of the goods from the port of entry in India to their final destination, as specified in the List of Requirements. and</p> <p>d) The charges for incidental services, as and if mentioned in the List of Requirements.</p> <p>12.7 Additional information and instruction on Duties and Taxes:
For goods offered from within India (goods manufactured in India or goods of foreign origin already located in India), if the Tenderer desires to ask for Goods and services Tax, Customs duty or any other similar duties and taxes to be paid extra, the same must be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such duties and taxes and no claim for the same will be entertained later.</p> <p>12.8 Goods and Services Tax</p> <p>a) All the bidders/tenders should ensure that they are GST compliant and their quoted tax structure/rates are as per GST Law.</p> <p>b) As per the GST Act, the bid and contract must show the GST Tax Rates (and GST Cess, if applicable) and GST Amount explicitly and separate from the bid/contract price (exclusive of GST). Bid-price inclusive of taxes/GST would be a violation of the GST Act. In case any taxes, duties are not clearly specified, or column is left blank in price bid then it will be presumed that no such tax/levy is applicable or payable by BRBNMPL. However, the price should be inclusive of any other taxes or levies if any, already paid or payable.</p> <p>c) If a tenderer asks for GST (and GST Cess, if applicable) to be paid extra, the rate and nature of such taxes applicable should be shown separately. Such taxes will be paid as per the rate at which it is liable to be assessed or has actually been assessed provided the transaction of sale is legally liable to such taxes and is payable as per the terms of the contract. The payment of GST and GST Cess to contractor/supplier would be made only on the latter submitting a Bill/invoice in accordance with the provision of relevant GST Act and the rules made there under and after online filing of valid return on GST portal.</p> <p>d) Bidders should quote 'GST' if payable extra on total basic rate of each item. GST in '%' inclusive of cess to be quoted. GST will be applicable on 'basic rate + Packing & forwarding charges + Freight + Insurance'.</p> <p>e) GST Registration Number (15-digit GSTIN): In case bidder has multiple business verticals in a state and</p> |
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- having separate registration for each business vertical, GSTIN of each vertical concerned with the supply and service involved, as per the scope of NIT to be informed to BRBNMPL. If supply / service provided is from multiple states, then bidder should mention GST Registration Number for each state separately.
- f) If bidder is not liable to take GST registration, i.e., having turnover below threshold, bidders need to submit undertaking / indemnification against tax liability. The bidder/dealer shall not charge any GST and/or GST Compensation Cess on the bill/invoice. In such case, applicable GST will be deposited by BRBNMPL directly to concerned authorities. Further, the bidder should notify and submit to BRBNMPL within 15 days from the date of becoming liable to registration under GST.
- g) Those bidders who have opted for Composition scheme under GST, they have to submit a declaration indicating their GST registration No.
- h) **HSN (Harmonized System of Nomenclature) code** for the goods being supplied by the vendor for each item covered under the NIT has to be declared in the Technical bid. Services Accounting Code (SAC) for classification of services under GST for each item covered under the NIT has to be declared in the Technical bid.
- i) All necessary adjustment vouchers such as Credit Notes / Debit Notes for any short/excess supplies or revision in prices or for any other reason under the Contract shall be submitted to BRBNMPL as per GST provisions.
- j) In the event of default on his part in payment of tax and submission / uploading of monthly returns, BRBNMPL is well within its powers to withhold payments, especially the tax portion, until Vendor/Supplier/ Contractor corrects the default and / or complies with the requirements of GST and produces satisfactory evidence to that effect or upon GST appearing on the Company GST portal.
- k) Vendor/Supplier/Contractor should issue Receipt vouchers immediately on receipt of advance payment and subsequently issue supplies along tax invoice after adjusting advance payments as per Contractual terms and GST Provisions.
- l) In case the GST rating of vendor on the GST portal / Govt. official website is negative / blacklisted, then the bids may be rejected by BRBNMPL. Further, in case rating of bidder is negative / blacklisted after award of work for supply of goods / services, then BRBNMPL shall not be obligated or liable to pay or reimburse GST to such vendor and shall also be entitled to deduct / recover such GST along with all penalties / interest, if any, incurred by BRBNMPL.
- m) Any late delivery i.e., delivery after the due date attracts payment of damages by the vendor / contractor as agreed mutually. It is agreed by the Contractor that such damages become recoverable by BRBNMPL with applicable GST thereon.
- n) Any reference in the NIT to CENVAT / VAT / Service Tax / Excise Duty and the clauses relating thereto may please be ignored.
- 12.9 Goods and Services Tax**
- a) If reimbursement of Goods and Services Tax is intended as extra over the quoted prices, the supplier must specifically say so also indicating the rate, quantum and nature of the tax applicable. In the absence of any such stipulation, it will be presumed that the prices quoted are firm and final and no claim on account of Goods and Services Tax will be entertained after the opening of tenders.
- b) If a Tenderer chooses to quote a price inclusive of Goods and Services Tax and also desires to be reimbursed for variation, if any, in the Goods and Services Tax during the time of supply, the tenderer must clearly mention the same and also indicate the rate and quantum of Goods and Services Tax included in its price. Failure to indicate all such details in clear terms may result in statutory variations being denied to the tenderer.
- c) Subject to sub clauses (a) & (b) above, any change in Goods and Services Tax upward / downward as a result of any statutory variation in Goods and Services Tax taking place within original Delivery Period shall be allowed to the extent of actual quantum of Goods and Services Tax paid by the supplier. In case of downward revision in Goods and Services Tax, the actual quantum of reduction of Goods and Services Tax shall be reimbursed to BRBNMPL by the supplier. All such adjustments shall include all reliefs, exemptions, rebates, concession etc. if any obtained by the supplier.
- d) If a tenderer asks for GST to be paid extra, the rate and nature of such taxes applicable should be shown separately. Such taxes will be paid as per the rate at which it is liable to be assessed or has actually been assessed provided the transaction of sale is legally liable to such taxes and is payable as per the terms of the contract.
- e) The tenderer should quote the exact percentage of GST that they will be charging extra.
- 12.10 Duties, taxes and other levies of Local bodies**
- Unless otherwise stated in the SIT, the goods supplied against contracts placed by BRBNMPL are not exempted from levy of duties, taxes and other Levies of local bodies. In such cases, the supplier should make the payment to avoid delay in supplies and forward the receipt of the same to the purchasing department for reimbursement and, also, for further necessary action. In cases where exemption is available, suppliers should obtain the exemption certificate from the purchasing department to avoid payment of such levies and taxes.
- 12.11 Duties / Taxes on Raw Materials**
- BRBNMPL is not liable for any claim from the supplier on account of fresh imposition and / or increase (including statutory increase) of Customs duty, Goods and Services Tax or any other similar duties and taxes on raw materials and/or components used directly in the manufacture of the contracted goods taking place during the pendency of the contract, unless such liability is specifically agreed to in terms of the contract.
- 12.12 Imported Stores not liable to Above-mentioned Taxes and Duties:**
- Above mentioned Taxes and Duties are not leviable on imported goods (goods of foreign origin offered from abroad) and hence would not be reimbursed.
- 12.13 Customs Duty:**
- In respect of imported goods of foreign origin offered from abroad, the tenderer shall specify the rate as well as the total amount of customs duty payable. The tenderer shall also indicate the corresponding Indian Customs Tariff Number applicable for the goods in question.
- 12.13.1** For transportation of imported goods offered from abroad, relevant instructions as incorporated under GCC Clause 11 shall be followed.
- 12.13.2** For insurance of goods to be supplied, relevant instructions as provided under GCC Clause 12 shall be followed.
- 12.13.3** Unless otherwise specifically indicated in this tender document, the terms FOB, FAS, CIF etc. for imported goods of foreign origin offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris
- 12.13.4** The need for indication of all such price components by the tenderers, as required in this clause (viz., GIT clause 12) is for the purpose of comparison of the tenders by BRBNMPL and will no way restrict

- BRBNMPL's right to award the contract on the selected tenderer on any of the terms offered.
- 13. Authorized Dealer/Distributor/Representative of Suppliers**
- (i) For Non-Commercially-Off-the-Shelf (Non-COTS) items, when a firm sends quotation for an item manufactured by some different company, the firm is also required to attach, in its quotation, the manufacturer's authorisation certificate and also manufacturer's confirmation of extending the required warranty for that product as per formats given in SBD. This is necessary to ensure quotation from a responsible party offering genuine product, also backed by a warranty obligation from the concerned manufacturer. In the tender, either the manufacturer/OEM or its authorised dealer/distributor/ representative can be considered as valid bidders.
- (ii) In case of large contracts, especially capital equipment, the manufacturer's authorisation must be insisted upon on a tender specific basis, not general authorisation/dealership, by so declaring in the bid documents clearly.
- (iii) In cases where the manufacturer has submitted the bid, the bids of its authorised dealer/ distributor/ representative will not be considered and EMD will be returned.
- (iv) And in case of violations, both infringing bids will be rejected.
- (v) For Commercially-Off-the-Shelf (COTS) items with clear and standard specifications, where the requirement is technically and commercially simple enough that pre-qualification of the bidder is not crucial for the performance of the contract, a valid dealership certificate will have to be submitted.
- (vi) Bids of bidders quoting as authorised representative of a principal manufacturer would also be considered to be qualified, provided:
- a) their principal manufacturer meets all the criteria above without exemption, and
- b) the principal manufacturer furnishes a legally enforceable tender-specific authorisation in the prescribed form assuring full guarantee and warranty obligations as per the general and special conditions of contract; and
- c) the bidder himself should have been associated, as authorised representative of the same or other Principal Manufacturer for same set of services as in present bid (supply, installation, satisfactorily commissioning, after sales service as the case may be) for same or similar 'Product' for past three years ending on 'The Relevant Date'.
- 13.1 Conflict of Interest among Bidders**
- A bidder shall not have any conflict of interest with other bidders. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in the bidding process if,
- (i) they have controlling partner(s) in common; or
- (ii) they receive or have received any direct or indirect subsidy/financial stake from any of them; or
- (iii) they have the same legal representative for purposes of the bid; or
- (iv) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder; or
- (v) Bidder participates in more than one bid in the bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties involved. However, this does not limit the inclusion of the components/sub-assembly/ Assemblies from one bidding manufacturer in more than one bid; or
- (vi) a Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid.
- (vii) For same reasons, in case of a holding company having more than one independently manufacturing units or more than one unit having common business ownership / management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare in their bids such sister / common business / management units in same / similar line of business.
- 14. Firm Price / Variable Price**
- 14.1 Unless otherwise specified in the SIT, prices quoted by the tenderer shall remain firm and fixed during the currency of the contract and not subject to variation on any account.
- 14.2 In case the tender documents require offers on variable price basis, the price quoted by the tenderers will be subject to adjustment during original Delivery Period to take care of the changes in the cost of labour and material components in accordance with the price variation formula to be specified in the SIT. If a tenderer submits firm price quotation against the requirement of variable price quotation, that tender will be prima-facie acceptable and considered further, taking price variation asked for by the tenderer as zero.
- 14.3 However, as regards taxes and duties, if any, chargeable on the goods and payable, the conditions stipulated in GIT clause 12 will apply for both firm price tender and variable price tender.
- 14.4 Subject to provisions of Clause 11 above, where prices are quoted in foreign currencies, involving imports - Foreign Exchange Rate Variation (ERV) would be borne by the Purchaser within the original Delivery Period. The offer of the Tenderer should indicate import content and the currency used for calculating import content.
- 14.5 Base Exchange rate of each major currency used for calculating FE content of the contract should be indicated. The base date of ERV would be contract date and variation on the base date can be given up to the midpoint manufacture, unless firm has already indicated the time schedule within which material will be imported by the firm.
- 14.6 In case delivery period is re-fixed / extended, ERV will not be admissible, if this is due to default of the supplier.
- 14.7 Documents for claiming ERV:
- (i) A bill of ERV claim enclosing working sheet
- (i) Banker's Certificate/debit advice detailing FE paid and exchange rate
- (ii) Copies of import order placed on supplier
- (iii) Invoice of supplier for the relevant import order
- 15. Alternative Tenders**
- Unless otherwise specified in the Schedule of Requirements, alternative tenders shall not be considered.
- 16. Documents Establishing Tenderer's Eligibility and Qualifications**
- 16.1 Pursuant to GIT clause 3 and 10, the tenderer shall furnish, as part of its tender, relevant details and documents establishing its eligibility to quote and its qualifications to perform the contract if its tender is accepted.
- 16.2 The documentary evidence needed to establish the tenderer's qualifications shall fulfil the following requirements:
- a) In case the tenderer offers to supply goods, which are manufactured by some other firm, the tenderer has been duly authorized by the goods manufacturer to

- quote for and supply the goods to BRBNMPL. The tenderer shall submit the Manufacturer's Authorization Letter to this effect as per the standard form provided under Section XIV in this document.
- b) The tenderer has the required financial, technical and production capability necessary to perform the contract and, further, it meets the qualification criteria incorporated in the Section IX in these documents.
- c) In case the tenderer is not doing business in India, how will he be able to carry out the required contractual functions and duties of the supplier including after sale service, maintenance & repair etc. of the goods in question, stocking of spare parts and fast-moving components and other obligations, if any, specified in the conditions of contract and/or technical specifications.
- 17. Documents establishing Good's Conformity to Tender document**
- 17.1 Country of Origin, Manufacture and Supply:** Bidder must declare the country of - origin, manufacture, value addition and supply of the goods offered by them. He must confirm that these do not violate provisions of Clause 3 of GIT.
- 17.2** The tenderer shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully conform to the goods and services specified by BRBNMPL in the tender documents. For this purpose, the tenderer shall also provide a clause-by-clause commentary on the technical specifications and other technical details incorporated by BRBNMPL in the tender documents to establish technical responsiveness of the goods and services offered in its tender.
- 17.3** In case there is any variation and/or deviation between the goods & services prescribed by BRBNMPL and that offered by the tenderer, the tenderer shall list out the same in a chart form without ambiguity along with justification, and provide the same along with its tender.
- 17.4** If a tenderer furnishes wrong and/or misleading data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition to other remedies available to BRBNMPL in this regard.
- 18. Earnest Money Deposit (EMD)**
- 18.1** Pursuant to GIT clause 10.1(e) the tenderer shall furnish along with its tender, earnest money for amount as shown in the List of Requirements. The earnest money is required to protect BRBNMPL against the risk of the Tenderer's unwarranted conduct as amplified under sub-clause 23.2 below.
- 18.2** The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with BRBNMPL (except for NCB/ICB Tender) or as a Micro and Small Enterprise (MSE) as defined in MSEs Order 2012 issued by Ministry of Micro, Small and Medium Enterprises (MoMSME) or as a Startup as recognised by Department for Promotion of Industry and Internal Trade (DPIIT), are exempted from payment of earnest money. In case the tenderer falls in these categories, it should furnish certified copy of its valid registration details (registration with BRBNMPL or as a MSE or as a Startup, as the case may be).
Micro & Small Enterprises must attach Registration Certificate issued by DIC / KVIB / KVIB / Coir Board / NSIC / Directorate of Handicrafts and Handlooms, or any other body specified by MSME for authentication such as Udyog Aadhaar Memorandum / Acknowledgment / Udyog Aadhaar Portal / Udyam Registration.
- 18.3** The earnest money shall be denominated in Indian Rupees or in equivalent foreign exchange in case of GTE/ICB tenders.
- 18.4** The earnest money shall be furnished in one of the following forms:
- Insurance Surety Bonds
 - Account Payee Demand Draft from any scheduled commercial bank in India or
 - Banker's cheque from any scheduled commercial bank in India or
 - Online Bank Transfer (Proof of online transfer to be submitted)
 - Other Electronic Modes of Payment
 - Debit Card powered by RuPay
 - Unified Payments Interface (UPI) (BHIM-UPI)
 - Unified Payments Interface Quick Response Code (UPI QR Code) (BHIM-UPI QR Code)
 - Bank Guarantee (including e-Bank Guarantee) issued/confirmed by any scheduled commercial bank in India in the proforma given in Section XIII of SBD in case the amount is more than ₹5 lakh and in case of foreign bidders in GTE/ICB tenders (in equivalent foreign exchange amount)
- 18.5** Unless otherwise specified in SIT, the earnest money shall be valid for a period of forty-five days beyond the validity period of the tender.
- 18.6** In case of two packet or two stage bidding, EMD of unsuccessful bidders during the first stage i.e. technical evaluation etc. should be returned to them without any interest whatsoever within 30 days of declaration of result of the first stage i.e. technical evaluation etc. Otherwise, EMD of the unsuccessful bidders should be returned to them at the earliest after expiry of the final bid validity and latest on or before the 30th day after the award of the contract.
The successful bidder's bid security (EMD) can be adjusted against the SD or returned as per the terms of the tender document. The balance can be deducted from the supplier's bill/invoice before release of payment. Unlike Procurement of Works, in Procurement of Goods, the concept of taking part of Performance Guarantee as money retained from first or progressive bills of the supplier is not acceptable.
- 18.7** Earnest money of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender. The successful tenderer's earnest money will be forfeited if it fails to furnish the required performance security within the specified period.
- 19. Tender Validity**
- 19.1** If not mentioned otherwise in the SIT, the tenders shall remain valid for acceptance for a period of 90 days (Ninety days) in case of single bid tender system and 120 days in case of two-bid system after the date of tender opening prescribed in the tender document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.
- 19.2** In exceptional cases, the tenderers may be requested by BRBNMPL to extend the validity of their tenders up to a specified period. Such request(s) and responses thereto shall be conveyed by surface mail or by fax/email/ telex/cable followed by surface mail. The tenderers, who agree to extend the tender validity, are to extend the same without any change or modification of their original tender and they are also to extend the validity period of the EMD accordingly.
- 19.3** In case the day up to which the tenders are to remain valid falls on/ subsequently declared a holiday or closed day for BRBNMPL, the tender validity shall automatically be extended up to the next working day.
- 19.4** **Compliance with the Clauses of this Tender Document:** Tenderer must comply with all the clauses of this Tender Document. In case there are any

- deviations, these should be listed in a chart form without any ambiguity along with justification.
- 20. Signing and Sealing of Tender**
- 20.1 An authenticated copy of the document which authorizes the signatory to commit on behalf of the firm shall accompany the offer. The individual signing the tender or any other documents connected therewith should clearly indicate his full name and designation and also specify whether he is signing,
- (a) As Sole Proprietor of the concern or as attorney of the Sole Proprietor;
- (b) As Partner (s) of the firm;
- (c) As Director, Manager or Secretary in case the of Limited Company duly authorized by a resolution passed by the Board of Directors or in pursuance of the Authority conferred by Memorandum of Association.
- 20.2 The authorized signatory of the tenderer must sign the tender at appropriate places and initial the remaining pages of the tender.
- 20.3 The tenderers shall submit their tenders as per the instructions contained in GIT Clause 10.
- 20.4 Unless otherwise mentioned in the SIT, a tenderer shall submit the tender in "Original" and in "Duplicate" and mark them as such.
- 20.5 The original and other copies of the tender shall either be typed or written in indelible ink and the same shall be signed by the tenderer or by a person(s) who has been duly authorized to bind the tenderer to the contract. The letter of authorization shall be by a written power of attorney, which shall also be furnished along with the tender.
- 20.6 All the copies of the tender shall be duly signed at the appropriate places as indicated in the tender documents and all other pages of the tender including printed literature, if any shall be initialled by the same person(s) signing the tender. The tender shall not contain any erasure or overwriting, except as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.
- 20.7 The tenderer is to seal the original and each copy of the tender in separate envelopes, duly marking the same as "Original", "Duplicate" and so on and writing the address of BRBNMPL and the tender reference number on the envelopes. The sentence "NOT TO BE OPENED" before ... (The tenderer is to put the date & time of tender opening) are to be written on these envelopes. The inner envelopes are then to be put in a bigger outer envelope, which will also be duly sealed, marked etc. as above. If the outer envelope is not sealed and marked properly as above, BRBNMPL will not assume any responsibility for its misplacement, premature opening, late opening etc.
- 20.8 **Two-Bid (envelop/packet) System:** If so indicated in the NIT/SIT, tender document will seek quotation in two parts (Two Bid System) for purchasing capital equipment, high value plant, machinery etc. of complex and technical nature. First part would be containing the relevant technical details of the equipment / machinery etc., and in the second part, price quotation along with other allied issues. First part will be known as 'Technical Bid', and the second part 'Financial bid'. Tenderer shall seal separately 'Technical Bid' and 'Financial bid' and covers will be suitably super scribed. Both these sealed covers shall be put in a bigger cover and sealed and evaluation would be done as described in clause 24.4 below. Further details would be given in SIT, if considered necessary. Pricing details should not be mentioned or hinted at in any manner in the "Technical Bid". In Financial bid, there should not be any extra information connected with Technical suitability of the offer – which has not been already disclosed in the Technical Bid.
- 20.9 Documents to be uploaded in case of e-tenders**
- 20.9.1 Documents that need *not* be signed or uploaded by Bidders**
- Unless otherwise stipulated, the following sections & annexures of the tender document need not be signed and uploaded as part of the Bid. However, Bidders have to upload "Terms and Conditions – Compliance" as token of acceptance of all the Terms and Conditions mentioned therein.
- Section I : Notice Inviting Tender (NIT)
 - Section II : General Instructions to Tenderers (GIT)
 - Section III : Special Instructions to Tenderers (SIT)
 - Section IV : General Conditions of Contract (GCC)
 - Section V : Special Conditions of Contract (SCC)
 - Section VI : List of Requirements
 - Section VII : Technical Specifications/Scope of Work
 - Section VIII : Quality Control Requirements
 - Section IX : Qualification Criteria
 - Section XIII : Bank Guarantee Form for EMD
 - Section XV : Bank Guarantee Form for Performance Security
 - Section XVI : Contract Form
 - Section XIX : Proforma of Bills for Payments
 - Annexure 1 to 5 : Explanatory Note on Make in India Order 2017; MSEs Order 2012 and Start-ups
 - Annexure 6 : Restrictions on Public Procurement from countries sharing land border with India
- 20.9.2 Documents that need to be filled, digitally signed and uploaded by Bidders**
- Unless otherwise stipulated, the following sections & annexures need to be filled, digitally signed and uploaded as part of the Bid: -
- List of Requirements – Compliance
 - Technical Specifications – Compliance
 - Quality Control Requirements – Compliance
 - Section X : Tender Form (To serve as a covering letter to both the Techno-commercial & Financial Bids)
 - Section XI : Price Schedule
 - Section XII : Bidder Information
 - Section XIV : Manufacturer's Authorization Form, if applicable
 - Section XVII : Letter of Authority for attending a Bid Opening
 - Section XVIII : Eligibility Declarations
 - Section XX : Proforma for Pre-Contract Integrity Pact, if applicable
 - Annexure 7 : Bid Securing Declaration (for exempted bidders)
 - Annexure 8 : Assessment of capability of Bidder, if asked
 - Annexure 9 : Performance Statement
 - Annexure 10 : Statement of Financial Standing, if required
 - Annexure 11 : NEFT Mandate Form
 - Annexure 12 : Terms and Conditions – Compliance
 - Annexure 13 : Undertaking to provide financial support to our wholly owned subsidiary
 - Annexure 14 : Checklist for Bidders
- D SUBMISSION OF TENDERS**
- 21. Submission of Tenders**
- 21.1 Tenderers shall ensure that their tenders, duly sealed and signed, complete in all respects as per instructions contained in the Tender Documents, are dropped in the tender box located at the place as indicated in NIT on or before the closing date and time indicated therein, failing which the tenders will be treated as late and rejected. Tenders may also be sent through post at the address as above. However, Purchaser will not be responsible for any postal lapses or delays in receipt of the documents. In case of bulky tender, which cannot

- be put into tender box, the same shall be submitted by the tenderer by hand to the designated officers of BRBNMPL, as indicated in NIT. The officer receiving the tender will give the tenderer an official receipt duly signed with date and time.
- 21.2 The tenderers must ensure that they deposit their tenders not later than the closing time and date specified for submission of tenders. In the event of the specified date for submission of tender falls on / is subsequently declared a holiday or closed day for BRBNMPL, the tenders will be received up to the appointed time on the next working day.
- 22. Late Tender**
A tender, which is received after the specified date and time for receipt of tenders will be treated as "late" tender and will be ignored.
- 23. Alteration and Withdrawal of Tender**
23.1 The tenderer, after submitting its tender, is permitted to alter / modify its tender so long as such alterations / modifications are received duly signed, sealed and marked like the original tender, within the deadline for submission of tenders. Alterations / modifications to tenders received after the prescribed deadline will not be considered.
- 23.2 No tender should be withdrawn after the deadline for submission of tender and before expiry of the tender validity period. If a tenderer withdraws the tender during this period, it will result in forfeiture of the earnest money furnished by the tenderer in its tender besides other sanctions by BRBNMPL.
- E TENDER OPENING**
- 24. Opening of Tenders**
24.1 BRBNMPL will open the tenders at the specified date and time and at the specified place as indicated in clause 1 of NIT. In case the specified date of tender opening falls on / is subsequently declared a holiday or closed day for BRBNMPL, the tenders will be opened at the appointed time and place on the next working day.
- 24.2 Authorized representatives of the tenderers, who have submitted tenders on time may attend the tender opening, provided they bring with them letters of authority as per the format in SBD XVII from the corresponding tenderers. The tender opening official(s) will prepare a list of the representatives attending the tender opening. The list will contain the representatives' names & signatures and corresponding tenderers' names and addresses.
- 24.3 During the tender opening, the tender opening official(s) will read the salient features of the tenders like description of the goods offered, price, special discount if any, delivery period, whether earnest money furnished or not and any other special features of the tenders, as deemed fit by the tender opening official(s).
- 24.4 In the case of two bid system mentioned in clause 20.8 above, the technical bids are to be opened in the first instance, at the prescribed time and date. These bids shall be scrutinized and evaluated by the competent committee / authority with reference to parameters prescribed in the tender document. Thereafter, in the second stage, the financial bids of only the technically acceptable offers (as decided in the first stage) shall be opened for further scrutiny and evaluation. Other financial bids would be returned unopened to the respective bidders under Registered AD / Reliable Courier or any other mode with proof of delivery.
- F SCRUTINY AND EVALUATION OF TENDERS**
- 25. Basic Principle**
Tenders will be evaluated on the basis of the terms & conditions already incorporated in the tender document, based on which tenders have been received and the terms, conditions etc. mentioned by the tenderers in their tenders. No new condition will be brought in while scrutinizing and evaluating the tenders.
- 26. Preliminary Scrutiny of Tenders**
26.1 The tenders will first be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the tender document, the tenders, that do not meet the basic requirements, are liable to be treated as unresponsive and ignored.
- 26.2 The following are some of the important aspects, for which a tender may be declared unresponsive and ignored;
- a) Tender is not in the prescribed format or is unsigned or not signed as per the stipulations in the bid document;
 - b) Tenderer is not eligible to participate in the bid as per laid down eligibility criteria (Example: the tender enquiry condition says that the bidder has to be a registered MSE unit, but the tenderer is a, say, a large-scale unit);
 - c) Tender validity is shorter than the required period;
 - d) Required EMD has not been provided or EMD provided is not as per prescribed format, amount, validity etc. or exemption from EMD is claimed without acceptable proof of exemption;
 - e) Tenderer has quoted for goods manufactured by a different firm without the required authority letter from that manufacturer;
 - f) Goods offered are sub-standard, not meeting the required specification etc.;
 - g) Tenderer has not agreed to essential condition(s) specified in the tender enquiry (Example: Some such important essential conditions are – performance security, terms of payment, liquidated damage clause, warranty clause, dispute resolution mechanism, applicable law and any other important condition having significant bearing on the cost/ utility/ performance of the required goods, etc.);
 - h) Against a schedule in the List of Requirement (incorporated in the tender enquiry), the Tenderer has not quoted for the entire requirement as specified in that schedule. (Example: In a schedule, it has been stipulated that the Tenderer will supply the equipment, install and commission it and also train BRBNMPL 's operators for operating the equipment. The Tenderer has however, quoted only for supply of the equipment).
- 27. Minor Infirmary / Irregularity / Non-Conformity**
If during the preliminary examination, BRBNMPL find any minor infirmity and / or irregularity and / or non-conformity in a tender, BRBNMPL may waive the same provided it does not constitute any material deviation and financial impact and, also, does not prejudice or affect the ranking order of the tenderers. Wherever necessary, BRBNMPL will convey its observation on such 'minor' issues to the tenderer by registered post/speed post/email etc. asking the tenderer to respond by a specified date. If the tenderer does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be ignored.
- 28. Discrepancy in Prices**
28.1 If, in the price structure quoted by a tenderer, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless BRBNMPL feels that the tenderer has made a mistake in placing the decimal point in the unit price, in which case the total price as quoted shall prevail over the unit price and the unit price corrected accordingly.
- 28.2 If there is an error in a total price, which has been worked out through addition and / or subtraction of subtotals, the subtotals shall prevail and the total corrected; and
- 28.3 If there is a discrepancy between the amount expressed

- in words and figures, the amount in words shall prevail, subject to sub clause 28.1 and 28.2 above.
- 28.4 If, as per the judgment of BRBNMPL, there is any such arithmetical discrepancy in a tender, the same will be suitably conveyed to the tenderer by registered / speed post. If the tenderer does not agree to the observation of BRBNMPL, the tender is liable to be ignored.
29. **Discrepancy between original and copies of Tender**
In case any discrepancy is observed between the text etc. of the original and that of other copies of the same tender set, the text etc. of the original shall prevail. Here also, BRBNMPL will convey its observation suitably to the tenderer by registered / Speed post and, if the tenderer does not accept BRBNMPL's observation, that tender will be liable to be ignored.
30. **Clarification of Bids**
(i) During the evaluation of Techno commercial or Financial Bids, the Procuring Entity may, at its discretion, but without any obligation to do so, ask Bidder to clarify its bid by a specified date. Bidder should answer the clarification within that specified date (or, if not specified, 7 days from the date of receipt of such request). The request for clarification shall be submitted in writing or electronically, and no change in prices or substance of the bid shall be sought, offered, or permitted that may grant any undue advantage to such bidder. Any clarification submitted by a Bidder regarding its Bid that is not in response to a request by the Purchasing Entity shall not be considered.
(ii) In e-tendering, if discrepancies exist between the uploaded scanned copies and the Originals submitted by the bidder, the original copy's text, etc., shall prevail. Any substantive discrepancy shall be construed as a violation of the Code of Ethics, and the bid shall be liable to be rejected as non-responsive in addition to other punitive actions under the Tender Document for violation of the Code of Ethics.
(iii) The Procuring Entity reserves its right to, but without any obligation to do so, to seek any shortfall information / documents only in case of historical documents which pre-existed at the time of the Bid Opening, and which have not undergone change since then and does not grant any undue advantage to any bidder. These should be called only on basis of the recommendations of the TEC.
31. **Qualification and Eligibility Criteria**
Tenders of the tenderers, who do not meet the required qualification and eligibility criteria prescribed in Section IX and Section XVIII respectively, will be treated as unresponsive and will not be considered further.
32. **Conversion of tender currencies to Indian Rupees**
In case the tender document permits the tenderers to quote their prices in different currencies, all such quoted prices of the responsive tenderers will be converted to a single currency viz., Indian Rupees for the purpose of equitable comparison and evaluation, as per the Bill Currency Selling exchange rates established by the State Bank of India for similar transactions, as on the date of tender opening.
33. **Schedule-wise Evaluation**
In case the List of Requirements contains more than one schedule, the responsive tenders will be evaluated and compared separately for each schedule. The tender for a schedule will not be considered if the complete requirements prescribed in that schedule are not included in the tender. However, as already mentioned in GIT sub clause 12.2, tenderers have the option to quote for any one or more schedules and offer discounts for combined schedules. Such discounts, wherever applicable, will be taken into account to determine the tender or combination of tenders offering the lowest evaluated cost for BRBNMPL in deciding the successful tenderer for each schedule, subject to that tenderer(s) being responsive.
34. **Comparison on CIF/FOR Destination Basis**
Unless mentioned otherwise in Section - III - Special Instructions to Tenderers and Section - VI - List of Requirements, the comparison of the responsive tenders shall be on CIF/FOR destination basis, duly delivered, commissioned, etc. as the case may be.
35. **Additional Factors and Parameters for Evaluation and Ranking of Responsive Tenders**
35.1 Further to GIT Clause 33 above, BRBNMPL's evaluation of a tender will include and take into account the following:
a) In the case of goods offered from within India (goods manufactured in India or goods of foreign origin already located in India), Goods and Services Tax or any other similar duties and taxes, which will be contractually payable (to the tenderer), on the goods if a contract is awarded on the tenderer; and
b) In the case of goods of foreign origin offered from abroad, customs duty and other similar import duties/taxes, which will be contractually payable (to the tenderer) on the goods if the contract is awarded on the tenderer.
35.2 BRBNMPL's evaluation of tender will also take into account the additional factors, if any, incorporated in SIT in the manner and to the extent indicated therein.
35.3 BRBNMPL reserves its right to grant preferences to eligible bidders under various Government Policies/directives (policies relating to Make in India; MSME; Start-ups etc.):
(i) Class I Local Suppliers under Public Procurement (Preference to Make in India) Order 2017 (MI) of Department for Promotion of Industry and Internal Trade, (DPIIT - Public Procurement Section) as revised from time to time. Please refer to Annexure 1 of this SBD.
(ii) Bidders from Micro and/or Small Enterprises (MSEs) under Public Procurement Policy for the Micro and Small Enterprises (MSEs) Order, 2012 as amended from time to time. Please refer to Annexure 3 of this SBD.
(iii) Start-ups Bidders under Ministry of Finance, Department of Expenditure, Public Procurement Division OM No F.20/2/2014-PPD dated 25.07.2016 and subsequent clarifications. Please refer to Annexure 4 of this SBD.
(iv) Any other category of Bidders, as per any Government Policies, announced from time to time, if so provided in this tender.
35.4 If the tenders have been invited on variable price basis, the tenders will be evaluated, compared and ranked on the basis of the position as prevailing on the day of tender opening and not on the basis of any future date.
36. **Tenderer's capability to perform the contract**
36.1 BRBNMPL, through the above process of tender scrutiny and tender evaluation will determine to its satisfaction whether the tenderer, whose tender has been determined as the lowest evaluated responsive tender is eligible, qualified and capable in all respects to perform the contract satisfactorily. If, there is more than one schedule in the List of Requirements, then, such determination will be made separately for each schedule.
36.2 The above-mentioned determination will, inter-alia, take into account the tenderer's financial, technical and production capabilities for satisfying all the requirements of BRBNMPL as incorporated in the tender document. Such determination will be based upon scrutiny and examination of all relevant data and details submitted by the tenderer in its tender as well as such other allied information as deemed appropriate by BRBNMPL.

- 36.3 **Consideration of Abnormally Low Bids:** An Abnormally Low bid is one in which the bid price, in combination with other elements of the bid, appears so low that it raises substantive concerns as to the Bidder's capability to perform the contract at the offered price. Procuring Entity shall in such cases seek written clarifications from the Bidder, including detailed price analyses of its bid price concerning scope, schedule, allocation of risks and responsibilities, and any other requirements of the Tender Document. If, after evaluating the price analyses, procuring entity determines that Bidder has substantively failed to demonstrate its capability to deliver the contract at the offered price, the Procuring Entity shall reject the bid/proposal, and evaluation shall proceed with the next ranked bidder.
37. **Cartel Formation / Pool Rates**
Cartel formation or quotation of Pool / Co-ordinated rates, leading to "Appreciable Adverse Effect on Competition" (AAEC) as identified in Competition Act, 2002, as amended by Competition (Amendment) Act, 2007, would be considered as a serious misdemeanour and would be dealt accordingly as per Clause 44 below.
38. **Negotiations**
Normally there would be no price negotiations. But BRBNMPL reserves its right to negotiate with the lowest acceptable bidder (L1), who is techno-commercially cleared / approved for supply of bulk quantity and on whom the contract would have been placed but for the decision to negotiate, under special circumstances in accordance with CVC guidelines. Selection of contractors by negotiations should be a rare exception rather than the rule and may be resorted to only in the following exceptional circumstances: -
- (i) Where the procurement is done on nomination basis (PAC and STE without PAC);
 - (ii) Procurement is from a single or limited sources of supply;
 - (iii) Procurements where there is suspicion of cartel formation.
39. **Contacting BRBNMPL**
- 39.1. From the time of submission of tender to the time of awarding the contract, if a tenderer needs to contact BRBNMPL for any reason relating to this tender enquiry and / or its tender, it should do so only in writing.
- 39.2. It will be treated as a serious misdemeanour in case a tenderer attempts to influence BRBNMPL's decision on scrutiny, comparison, evaluation and award of the contracts. In such a case the tender of the tenderer shall be liable for rejection in addition to appropriate administrative actions being taken against that tenderer, as deemed fit by BRBNMPL, in terms of clause 44 of GIT.
- G AWARD OF CONTRACT**
40. **BRBNMPL's Right to Accept any Tender and to Reject any or all Tenders**
BRBNMPL reserves the right to accept in part or in full any tender or reject any tender without assigning any reason or to cancel the tendering process and reject all tenders at any time prior to award of contract, without incurring any liability, whatsoever to the affected tenderer or tenderers.
41. **Award Criteria**
Subject to GIT clause 36 above, the contract will be awarded to the lowest evaluated responsive tenderer decided by BRBNMPL in terms of GIT Clause 34.
42. **Variation of Quantities at the Time of Award**
Normally, there will be no variation of quantities at the time of awarding the contract. However, at the time of awarding the contract, the quantity to be procured shall be re-judged based on the current data, since the ground situation may have very well changed. In that case, BRBNMPL reserves the right to increase or decrease the tendered quantity by 25 (Twenty-Five) per cent for ordering, if so warranted. A clause would be included in SIT giving further details.
43. **Parallel Contracts**
BRBNMPL reserves its right to conclude Parallel contracts, with more than one bidder (for the same tender) under following circumstances: -
- (i) After due processing, if it is discovered that the quantity to be ordered is far more than what L-1 alone is capable of supplying and there was no prior stipulation in the NIT/ SIT to split the quantities, then the purchaser reserves its rights to distribute the quantity being finally ordered, among the other bidders by counter offering the L1 rate to L2 or higher tenderers.
 - (ii) When it is decided in advance to have more than one source of supply due to the critical / strategic / specific nature of the supplies / goods parallel contract stipulation would be declared in the NIT / SIT, clearly stating the manner of deciding relative share of lowest bidder (L1) contractor and the rest of the tenderers should be clearly defined, along with the minimum number of suppliers sought for the contract. Unless otherwise stipulated in the NIT / SIT, in case of splitting in two and three, the ratio of 70:30; 50:30:20, respectively, may be used. These ratios are approximate and BRBNMPL reserves its right to marginally vary quantities to suit capacity of the firm / unit loads of packing or transportation. In such cases the firms should not quote for less than 30% of the tendered quantity; otherwise, their offer would be considered as unresponsive.
44. **Serious Misdemeanours and Integrity Pact**
- 44.1 **Serious Misdemeanour:** Following would be considered as serious misdemeanours:
- (i) Other than in situations of force majeure, after opening of financial bids, the supplier withdraws from the procurement process or after being declared as successful bidder: (i) withdraws from the process; (ii) fails to enter into a procurement contract; or (iii) fails to provide performance security or any other document or security required in terms of the bidding documents.
 - (ii) If the proprietor of the firm, its employee, partner, or representative is convicted of any offence by a court under the Prevention of Corruption Act, 1988 or under the Indian Penal Code or any other law for the time being in force for offences involving moral turpitude in business dealings.
 - (iii) If a firm directly or through an agent violates the code of ethics mentioned in Clause 32 of the GCC or violates Integrity Pact mentioned in clause 43.3 below, in procurement or execution of the contract.
 - (iv) Violate the safety or statutory norms that result in industrial accidents leading to loss or injury to life or property or to any other legal liability to The Procuring Entity.
 - (v) Employs an Ex-BRBNMPL official, who has been dismissed or removed on account of corruption or employs a non-official convicted for an offence involving corruption or abetment of such an offence, in a position where he could corrupt BRBNMPL officials or employs an Ex-BRBNMPL official within two years of his retirement, who has had business dealings with him in an official capacity before retirement; or
 - (vi) On account of doubtful loyalty to the country or national security consideration as determined by appropriate agencies of GoI (normally such banning/ blacklisting would be initiated by the central government/ ministry).
- 44.2 Besides, suitable administrative actions, like rejecting

the offers or delisting of registered firms, BRBNMPL would take other remedies available to it including banning / blacklisting Tenderers committing such misdemeanour, including declaring them ineligible to be awarded BRBNMPL contracts for indefinite or for a stated period.

44.3 Integrity Pact

(i) **Signing of the Integrity Pact:** If so stipulated in the NIT/ SIT, purchaser shall be entering into an Integrity Pact with the bidders as per format enclosed vide Section XX: Integrity Pact, of this tender document. Each page of this Integrity pact proforma would be duly signed by Purchaser's competent signatory. All pages of the Integrity Pact are to be returned by the bidder (along with the technical bid) duly signed by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid and to make binding commitments on behalf of his company. Any bid not accompanied by Integrity Pact duly signed by the bidder shall be considered to be a non-responsive bid and shall be rejected straightway. Names and contact details of the Independent Monitor(s) for this Tender are listed in Notice Inviting Tender (NIT).

(ii) **Additional Serious Misdemeanour:** As supplement to clause 44.1 above, breaches of any of the provisions of the Integrity Pact by the Bidder or anyone employed by it or acting on its behalf (whether with or without the knowledge of the Bidder) shall be one of the misdemeanours attracting consequences and penalties as mentioned in clause 44.2 above.

45. Notification of Award of Contract (Letter of Intent)

45.1 Before expiry of the tender validity period, BRBNMPL will notify the successful tenderer(s) in writing, by registered letter / speed post / courier or by fax / email (to be subsequently confirmed by registered letter / speed post / courier) that its tender for goods & services, which have been selected by BRBNMPL, has been accepted, also briefly indicating therein the essential details like description, specification and quantity of the goods & services and corresponding prices accepted. The successful tenderer must furnish to BRBNMPL the required performance security within twenty-one days from the date of this notification. Relevant details about the performance security have been provided under GCC Clause 6 under Section IV.

45.2 The notification of award shall constitute the conclusion of the contract.

46. Issue of Contract

46.1 Within seven working days of receipt of performance security, BRBNMPL will send the contract form (as per Section XVI), duly completed and signed in duplicate, to the successful tenderer by registered letter / speed post / courier.

46.2 Within seven days from the date of issue of the contract, the successful tenderer will return the original copy of the contract, duly signed and dated, to BRBNMPL by registered letter / speed post / courier.

47. Non-receipt of Performance Security and Contract by BRBNMPL

Failure of the successful tenderer in providing performance security within 21 days of receipt of notification of award and / or returning contract copy duly signed within stipulated time shall make the tenderer liable for annulment of the award and forfeiture of its EMD (or enforcement of Bid Securing Declaration), besides taking other administrative punitive actions by BRBNMPL against it.

48. Return of EMD

The earnest money of the successful tenderer and the unsuccessful tenderers will be returned to them without any interest, whatsoever, in terms of GIT Clause 18.6.

49. Publication of Tender Result

The name and address of the successful tenderer(s) receiving the contract(s) will be mentioned in the notice board/bulletin/web site of BRBNMPL.

Part II: Additional General Instructions Applicable to Specific Types of Tenders:**50. Rate Contract Tenders**

50.1 If tender/contract stipulates explicitly that this is a "Rate Contract" for the supply of the Goods during the period therein specified, then the following additional Contract Conditions shall be applicable:

(i) Earnest Money Deposit (EMD) is to be furnished by unregistered bidders only.

(ii) The Rate Contract is only a standing offer from the Contractor. In the Schedule of Requirement, no commitment is given as to the number or quantity of the Goods which shall be ordered during the period of the rate contract; only the anticipated requirement is mentioned without any commitment.

(iii) The Procuring Entity undertakes to place the supply (withdrawal/off-take) orders for Goods detailed in the Contract at the terms and prices mentioned therein.

(iv) BRBNMPL reserves the right to conclude more than one rate contract for the same item.

(v) Unless otherwise specified in SIT, the currency of a Rate Contract would normally be for one year.

(vi) During the currency of the Rate Contract, BRBNMPL would have the option to short-close the rate contract by serving suitable notice. The prescribed notice period is generally thirty days.

(vii) During the currency of the Rate Contract, BRBNMPL would have the option to renegotiate the price with the rate contract holders.

(viii) During the currency of the Rate Contract, in case of emergency or for values less than ₹2.5 lakh, BRBNMPL may purchase the same item through ad hoc contract with a new supplier.

(ix) Usually, the terms of delivery in rate contracts are FOR dispatching station.

(x) Supply orders, incorporating definite quantity of goods to be supplied along with all other required conditions following the rate contract terms, will be issued by BRBNMPL or its nominated Direct Demanding Officers (DDO) for obtaining supplies through the rate contract.

(xi) BRBNMPL is entitled to place supply orders up to the last day of the validity of the rate contract and, though supplies against such supply orders will be affected beyond the validity period of the rate contract, all such supply will be guided by the terms & conditions of the rate contract.

(xii) The rate contract will be guided by "Fall Clause" as described below.

50.2 Fall Clause

GCC clause 30 shall be expressly applicable to Rate Contracts. Any violation of the fall clause would be considered a serious misdemeanour under clause 44 of the GIT and action, as appropriate, would be taken as per provision of that clause.

50.3 Performance Security

Depending on the anticipated overall withdrawal/off-take against a rate contract and, also, anticipated number of parallel rate contracts to be issued for an item, the procuring entity shall consider obtaining Performance Security @ 5% (Five percent) of the value of supply order in the supply orders issued against rate contracts on the rate contract holder.

50.4 Renewal of Rate Contracts

In case it is not possible to conclude new rate contracts before the expiry of existing ones, due to some special reasons, the existing rate contracts would be extended with same terms, conditions etc. for a suitable period, with the consent of the rate contract holders. Rate contracts of the firms, who do not agree to such

- extension, will be left out. Period of such extension would generally not be more than three months.
- 51. Prequalification Bidding (PQB)**
- 51.1** Prequalification Bidding is for short listing of qualified Bidders who fulfil the Prequalification criteria (PQC) as laid down in SIT or in Section IX of SBD - "Qualification Criteria" for procurement of Goods or Services as listed in Section VI of SBD - "List of Requirements". Short listed Bidders would be informed of their qualification and short listing in accordance with the stipulations laid down in the SIT. Unless otherwise stipulated in the SIT, the PQB short listing would be valid only till the next procurement tender. Further conditions will be elaborated in the SIT.
- 51.2** If stipulated in the SIT, only these short-listed qualified bidders would be invited to participate in the Procurement of the requirements. Otherwise SIT may also indicate that instead of floating a separate PQB tender, it may be combined with the Procurement Tender, as a three bid (envelope) tender. Initially the first envelope containing PQB would be opened and evaluation would be done. Thereafter the rest of tender would be handled as a two-bid system for only those bidders who succeed in PQB.
- 51.3** Unless otherwise stipulated in NIT/ SIT, EMD would be required as per clause 18 of GIT from unregistered bidders. No separate EMD would be called from short-listed bidders for the subsequent procurement bidding. In case a shortlisted bidder does not participate in subsequent procurement bidding, the EMD shall be forfeited.
- 52. Tenders involving Samples**
- 52.1** Normally no sample would be called along with the offer for evaluation.
- 52.2 Purchaser's Samples:** If indicated in the SIT, a Purchaser's sample may be displayed to indicate required characteristics over and above the Specifications for perusal of the bidders. Name and Designation of the Custodian, Place, Dates and Time of inspection of Purchaser's sample will be indicated in the SIT. The supplies in the contract will have to meet the indicated required characteristics for which the Purchaser's sample was displayed, besides meeting the specification listed in Section VII - "Technical Specifications" of the SBD. He would be issued a sealed Purchaser's sample for the purpose at the time of award of the contract.
- 52.3 Pre-Production Samples:** If stipulated in SIT, successful contractor would be required to submit a Pre-Production sample(s) to the Inspecting Officer or the nominated authority mentioned in the contract within the time specified therein. If the Contractor is unable to do so, he must apply immediately to the Office issuing the acceptance of tender for extension of time stating the reasons for the delay. If the Purchaser is satisfied that a reasonable ground for an extension of time exists, he may allow such additional time as he considers to be justified (and his decision shall be final) with or without alteration in the delivery period stipulated in the contract and on such conditions as he deems fit. In the event of the failure of the Contractor to deliver the pre-production sample by the date specified in the acceptance of tender or any other date to which the time may be extended as aforesaid by the Purchaser or of the rejection of the sample, the Purchaser shall be entitled to cancel the contract and, if so desired, purchase or authorize the purchase of the stores at the risk and cost of the Contractor (unless specified otherwise in the SIT). In such an event, in case of Security Items where urgency develops due to such delays, BRBNMPL reserves its right to procure not more than one year's requirement against this "Risk & Cost" tender from existing pre-qualified and security cleared firms. Bulk production and supply will only be allowed if this sample(s) pass the Tests laid down in the Section VIII "Quality Control Requirements" in the SBD.
- 52.4 Testing of Samples:** Tests, procedures and testing laboratories for testing samples would be detailed in the Section VIII - "Quality Control Requirements" in the SBD.
- 52.5 Validation / Prolonged Trials:** If specified in SIT or in the Section VIII - "Quality Control Requirements" in the SBD, pre-production samples may have to undergo validation or extended trial before their performance can be declared satisfactory.
- 52.6** Parameters Settings and duration of Validation Tests would be indicated in the Section VIII - "Quality Control Requirements" in the SBD. It would also stipulate the period or event marking end of validation trials. It would also be indicated therein whether the Permission to start bulk production will have to wait full validation or it can go on in parallel.
- 53. Expression of Interest (EOI) Tenders:**
- 53.1** EOI tenders are floated for short listing firms who are willing and qualified for: -
- (i) Registration of Vendors for Supply of particular Stores or certain categories of Stores.
 - (ii) Development of new items or Indigenization of Imported stores
- 53.2** The qualification / eligibility criteria required and the format of submission of such Data would be indicated in the Section IX - "Qualification Criteria" in the SBD.
- 53.3** Objectives and scope of requirement would be indicated in the Section VI - "List of Requirements" in the SBD. Indicative quantity required yearly and its future requirements would also be indicated.
- 53.4** In case of EOI for Development of new Items or for Indigenization, prospective firms would be given opportunity to inspect the Machine / Item at the place of installation at the place, dates and Time mentioned in SIT.
- 53.5** In case EOI is for registration of vendors, Registration Fees and validity period of registration would be detailed in the SIT.
- 53.6 Short List of Suppliers:** The suppliers shall be evaluated for short listing, inter-alia, based on their past experience of supplying goods in similar context, financial strength, technical capabilities etc. Each supplier will be assigned scores based on weightages assigned to each of the criteria mentioned in the Section IX - "Qualification Criteria" in the SBD.
- 53.7** If stipulated in the SIT, the Firm's capacity and Capability may be assessed by a nominated Committee or by a third party nominated by BRBNMPL.
- 53.8** All suppliers who secure the minimum required marks (normally 50% unless otherwise specified in the Section IX) would be short listed. Section IX may alternatively specify minimum qualifying requirement for each of the criteria i.e. minimum years of experience, minimum number of assignments executed, minimum turnover etc. Under such circumstances, all suppliers who meet the minimum requirement, as specified, will be short listed.
- 53.9** In case of EOI for registration of vendors, registration letters would be issued to the short-listed tenderers.
- 53.10** In case of EOI for development / indigenization, these shortlisted tenderers would only be allowed to participate in the subsequent development/ indigenization tenders.
- 54. Tenders for Disposal of Scrap**
- 54.1 Introduction:** The tender is for Sale of Scrap material lying at various locations. Details of scrap for sale including Description, Present Condition, Lot Size and its Location would be given in the Section VI - "List of Requirements".

54.2 "As Is; Where Is; Whatever Is" Basis of This Sale:

54.2.1 This sale of Scrap is strictly on "As is; Where is; Whatever is" basis. Tenderer must satisfy himself on all matters with regard to quality, quantity, nature of stores etc., before tendering as no complaint or representation of any kind shall be entertained after the safe contract is concluded.

54.2.2 The description of lot in the particulars of sale has been given for the purpose of identification thereof only and the use of such description shall not constitute the sale thereof to be sale by description and no sale shall be invalid by reason of any defect or deviation or variation in any lot or on account of any lot not being exactly described and the purchaser shall not be entitled to claim any damage or compensation whatsoever on account of such fault, error in description, weight or the like.

54.2.3 All quantities of scrap whether by weight or measurement mentioned in the Tender notice are only approximate and should the quantity, on actual weight or measurement basis as the case may be and whenever delivered on such basis, works out less than the advertised and for projected quantity, the BRBNMPL shall not under any circumstances be liable to make good any such deficiency

54.2.4 BRBNMPL reserves right to increase or decrease the quantity of any item or items or terminate the contract at any stage by giving one week's notice. No claim whatsoever shall lie against the BRBNMPL on account of such termination of the contract or variation in the quantity.

54.2.5 BRBNMPL shall have the right to remove certain items which it feels were not intended for sale but were inadvertently made a part of the scrap material or of the lot offered for sale lying at the premises or were joined or attached to the material offered for sale.

54.2.6 Tenderers desirous of purchasing and participating in the tender must visit the site before submitting the offer, after taking due permission from the concerned Stock Holders. The Tenderers submitting the offers shall be deemed to have visited the site and acquainted themselves thoroughly with materials intended for sale in all respect.

54.2.7 Any person giving offer shall be deemed to have made himself fully conversant with the Terms and Conditions of the Tender Sale, as well as the location and condition of the materials being sold and shall be deemed to have agreed to all the stated terms and conditions herein under.

54.3 Submission of Offer

54.3.1 Unless specified otherwise in the SIT, tenders shall hold good for acceptance for a minimum period of 90 days (ninety days) from the date of opening of the tenders. The offers of the tenderers shall be irrevocable.

54.3.2 Right to Reject all Bids: The seller reserves the right to accept/reject and cancel any bid, amend the quantity under any lot or withdraw any lot at any stage after acceptance of bid/issue of acceptance letter/sale order/delivery order/deposit of the full sale value by the bidder, without assigning any reason thereof and the value of such material, if paid for, shall be refundable. The seller shall not be responsible for damage/loss to bidders on account of such withdrawal at any stage from the sale.

54.3.3 Unless otherwise stated in the SIT, the amount of EMD in such tenders would be 5% of the value of the tender. The Earnest Money shall be forfeited if the tenderer unilaterally withdraws amends, impairs or derogates from his offer in any respect within the period of validity of his offer.

54.3.4 If the offer of the tenderer is not accepted by the BRBNMPL, the Earnest Money deposit made by the tenderer shall be refunded to him. No interest shall be

payable on such refunds. The EMD deposited by the successful tenderer shall remain with the BRBNMPL till payment of the security deposit (SD) money, as stipulated in relevant Clause, has been made. It may be adjusted as part of the total SD money at the discretion of the BRBNMPL.

54.3.5 Duties, taxes and other levies of local bodies, whatever in force, shall be payable extra by the purchaser as per rules applicable to BRBNMPL. Current and valid PAN and Goods and Services Tax Identification Number (GSTIN), wherever applicable, must be provided in the Bid of the Tenderer. Any statutory variations in the rate of taxes/duties are to be borne by the purchaser. GST rates indicated in the e-auction catalogue are only indicative and the actual GST rates as applicable on the date shall be payable by the successful bidders directly to the seller at the time of taking delivery of materials. Tax Collected at Source (TCS) at the prevailing rate may be deducted from all payments made to the buyer. In order to avoid the imposition of penalty, the amount deposited by the successful bidder towards taxes, duties and TCS will be immediately deposited with the concerned tax authorities without waiting for the actual delivery.

54.3.6 All arrangement for lifting and transportation of scrap material, including manpower, crane, transport vehicle and trolley etc., if required shall be made by the purchaser concerned only and the BRBNMPL shall not provide or help in providing any such arrangements and the rate quoted by the purchaser must include such and all incidental charges.

54.3.7 Registered dealers who are exempted from payment of Goods and Services Tax must give reference to Goods and Services Tax laws which provides such exemption or submit any certificate as issued by the Goods and Services tax authorities and shall be required to submit necessary form duly completed in all respect to BRBNMPL or its representatives before obtaining delivery order, duly signed by the partner of the firm or the person authorized to do so.

54.3.8 Evaluation of tenders for Disposal of scrap will be done on similar basis as Tenders for Procurement of Goods, except that the selection of the bidders shall be on the basis of the highest responsive Bidder (H1). In case full quantity is not offered to be taken by the Highest Bidder, parallel contracts would be placed.

54.3.9 Sale of Items/Lots Comprising Hazardous Waste: Sale of hazardous waste items will be governed by the following procedures in addition to guidelines/ notifications issued by the Central/State Pollution Control Board (PCB)/Ministry of Environment and Forests (MoEF) from time to time:

(i) Sale of old batteries/lead acid batteries will be governed by the Batteries (Management & Handling) Rules, 2001 and its subsequent amendments.

(ii) Sale of other categories of hazardous waste items will be governed by the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008 and its subsequent amendments and/or their relevant statutory act/rules.

(iii) Sale of e-waste shall be governed by e-Waste (Management and Handling) Rules, 2011.

(iv) Bidders must submit a notarized copy of the valid registration certificates issued by the State (or Union Territory) Pollution Control Board (PCB) and produce it at the time of taking delivery of the materials, failing which their bid will be liable for rejection. In case of lead acid batteries, used/waste oils, and non-ferrous metal wastes, in addition to submitting necessary valid registration from the SPCB, the bidder must also submit a notarized copy of the valid registration certificate from CPCB (or MoEF); and

- (v) In case of a sale involving inter-state movement of goods, the buyer shall also submit an NOC from the concerned SPCB, with whom the buyer is registered, to the seller before taking delivery, failing which the buyer will be responsible for the consequences and the seller shall take further decision as may be deemed fit.

54.4 Notification of Acceptance and Award of Contract:

- 54.4.1** The successful tenderer, herein after referred to as purchasers, shall have to submit security deposit (SD) @ 10% of the total sale value of the contract within 5 working days of issue of the sale contract (excluding the date of issue of sale contract). The SD shall be deposited in the form of account payee demand draft drawn on any scheduled commercial bank in India in favour of Bharatiya Reserve Bank Note Mudran Private Limited or through online transfer or through other electronic mode of payment as mentioned at relevant clause of NIT in connection with EMD.

- 54.4.2** The purchaser has to pay balance payment within 20 days from the date of notification of acceptance, which is to be issued by BRBNMPL or his authorized representative, in the form of account payee demand draft drawn on any scheduled commercial bank in India in favour of Bharatiya Reserve Bank Note Mudran Private Limited or through online transfer or through other electronic mode of payment. In case of any default to deposit balance payment, BRBNMPL reserves right to terminate the contract and forfeit the security deposit.

54.5 Disposal Tenders for Security and Sensitive Machinery and Items:

- 54.5.1 Non-Misuse Declaration:** The bidder is required to give an undertaking that he or his employees or legal heirs will ensure that such items purchased from BRBNMPL, will be utilized only for scrap recovery and will not be misused for any other purpose. He will also ensure that this undertaking is honoured and it got underwritten from further down the line scrap processors / re-purchasers, if any. In case his firm changes hands, it will be his responsibility to ensure that the new owners honour and underwrite this undertaking.

- 54.5.2** If stipulated in SIT delivery would be given only in dismantled / cut-up condition.

55. Development and Indigenization Tenders:

- 55.1** Already developed firms or firms who have already received development orders for the item (with whatever results) would not be considered in such tenders.

- 55.2** If specified in SIT the contract documents may be issued free of cost, and submission of earnest money deposit and security deposit may be relaxed.

- 55.3** If specified in SIT, The Tenderers may quote separately for

- (i) Price / rate for bulk supply of item in development / indigenization supplies and

- (ii) Separately, cost of development including cost of pre-production samples. Firms would be paid only for the number of samples specified in the Tender. If he has to manufacture more samples due to failure of earlier one, he would not be paid for it.

- 55.4** L1 would be determined on the basis of rate of item quoted including reference to total cost of the development cost (including the cost of prototype) plus the notional total cost of quantities that will be required over next three years, wherever applicable.

- 55.5** Development contracts may, as far as feasible, be concluded with two or more contractors in parallel.

- 55.6** The ratio of splitting of the supply order between various development agencies / firms in cases of parallel development, including criteria thereof, would be specified in the SIT.

- 55.7** However, in case the requirement is meagre and

complex technology is involved, or quantity of the equipment / spares is limited/small/uneconomic if distributed between two vendors, the entire order could be placed upon the L1 vendor only.

- 55.8** If specified in SIT, Advance and Intermediate Payment to Suppliers may be allowed.

55.9 Quantity for Development Commitment

In Next three years, after the newly developed firm is able to successfully complete Development orders with $\pm 5\%$ tolerances, 20% of annual quantity requirement may be reserved for Newly Developed firms.

55.10 Period of Development Commitment

A newly developed firm would be granted this facility till only three years after completing the initial Development order. However, this facility is not a bar to the firm from competing with already established firms for quantities larger than 20% provided their prices and performance so warrant. Thereafter they would have to compete on equal terms with other already developed firms.

Section III: Special Instructions to Tenderers (SIT)

The following Special Instructions to Tenderers will apply for this purchase. These special instructions will modify / substitute / supplement the corresponding General Instructions to Tenderers (GIT) incorporated in Section II. The corresponding GIT clause numbers have also been indicated in the text below:

In case of any conflict between the provision in the GIT and that in the SIT, the provision contained in the SIT shall prevail.

(Clauses of GIT listed below include a possibility for variation in their provisions through SIT. There could be other clauses in SIT as deemed fit.)

Sl. No.	GIT Clause No.	Topic	SIT Provision
1	2	Language of Tender	To be submitted in English only
2	3	Eligible Tenderers	Only Class-I and Class-II Local Suppliers as per 'Make in India Policy' of Govt. of India are eligible to participate in this tender Class-I Local Supplier: Minimum Local Content equal to or more than 50%; Class-II Local Supplier: Minimum Local Content more than 20% but less than 50% <i>As per DPIIT, MoC&I, GoI OM No. P-45021/102/2019-BE-II-Part (1) (E-50310) dated 04/03/2021, Bidders offering imported product will fall under the category of Non-Local Suppliers. Bidders can't claim themselves as Class-I Local Suppliers / Class-II Local Suppliers by claiming the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition.</i>
3	4	Eligible Goods and Services (Origin of Goods)	Indian Origin Only Minimum Local Content: Equal to or more than 50% for Class-I Local Supplier and more than 20% but less than 50% for Class-II Local Supplier As per GoI guidelines regarding restrictions on public procurement from countries sharing land border with India, a bidder is permitted to procure raw material, components, subassemblies etc. from the vendors from countries which share a land border with India. Such vendors will not be required to be registered with the Competent Authority as it is not regarded as "sub-contracting". However, Bidders have to fulfil the Minimum Local Content criteria as mentioned above.
4	8	Pre-bid Conference	Applicable Online Prebid meeting in MSTC portal 1. Query submission period: from 22/06/2026, 17:00 Hrs. to 13/07/2026, 17:00 Hrs in MSTC portal for submission of queries by bidder.

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED*(Wholly owned subsidiary of Reserve Bank of India)*

P.O. RBNM, Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132

TENDER DOCUMENT FOR DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU

E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026

Sl. No.	GIT Clause No.	Topic	SIT Provision
			2. Interested parties are required to upload queries along with contact details in MSTC portal only before closing of date & time. Any query received after that will not be entertained for pre-bid clarifications. 3. If required, Video conference/online meeting with the interested bidders, who have submitted the pre -bid queries will be arranged as per convenience after above end date. 4. Clarifications for the pre-bid queries/ Amendment to tender, if any, will be submitted in MSTC portal by BRBNMPL. 5. Queries received after above clarifications / issue of amendment to tender, if any, may not be considered. 6. Purchaser reserves the right to make necessary amendments at his sole discretion to the tender document, post pre-bid meeting and any such amendment will be uploaded only in the MSTC portal / BRBNMPL website.
5	9	Time Limit for receiving request for clarification of Tender Documents	Request for clarification should reach at least Seven (07) days prior to tender opening date. (Not applicable for this tender as pre-bid provision is available in tender).
6	11	Tender Currency	Indian Rupees Only
7	12	Tender Prices	i. The quoted price should be on the basis of final completion of works at BRBNMPL, Salboni and Mysuru for Schedule-I and Schedule-II respectively inclusive of all charges. ii. Break-up of various components of total cost have to be furnished in the prescribed format given at Section-XI (Price Schedule). The basic rate, taxes (GST), insurance (if any) and duties, levies, discounts etc. should be clearly indicated in the offer. iii. If the tenderer fails to include taxes and duties in the offer, the price shall be taken as inclusive of such taxes and duties and no claim for the same shall be entertained later.
8	12.2, 33, 36.1	Schedule wise evaluation	Not applicable
9	12.8, 12.9	GST	i. Wherever applicable bidder shall quote the exact Tax percentage F.O.R. General Stores, Salboni (West Bengal). Supplier shall be solely responsible for correctness of the HSN Code of item to be supplied and its applicable rate. Any differential amount in taxes and duties including the consequential penalty amount, if any, due to

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P.O. RBNM, Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132

TENDER DOCUMENT FOR DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU

E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026

Sl. No.	GIT Clause No.	Topic	SIT Provision
			incorrect HSN Code will be borne by Supplier. BRBNMPL will not be responsible for any ambiguities arising due to incorrect HSN Code and its applicable rate. Supplier shall be solely responsible for any Legal Complicacy arising due to this. ii. Bidder(s) needs to ensure that GST registration will be "Active" as on the date of bid opening, during its evaluation and throughout the tenure of contract. Failing of which will lead to termination of contract and action as deemed fit as per terms of tender and also if any payment due to the contractor/supplier against Bills/Performance Security etc. will be kept on hold till such time bidder/contractor/service provider furnishes the GST clearance certificate issued by the appropriate authority to BRBNMPL.
10	14	Firm Price / Variable Price	The quoted rate (inclusive of all taxes) should be firm and fixed and should not be subject to any variation/escalation (except Statutory Payments against submission of documentary evidence) on any account during the contract period.
11	18	Earnest Money Deposit (EMD)	Schedule 1: ₹ 5.00 lakh for Salboni Schedule 2: ₹ 5.00 lakh for Mysuru Both Schedules 1& 2: ₹ 5.00 lakh Bidder may quote for any one schedule or both the schedules. EMD is NIL for exempted bidders. However, exempted bidders have to submit "Bid Securing Declaration" in lieu of EMD as per Annexure 7 in Company Letterhead.
12	19	Tender Validity	As specified (120 days)
13	20.9	Documents to be uploaded in case of e-tenders	Applicable i. <u>No need to submit Physical Documents.</u> Only online bid submission shall be accepted. Hence, bidder should ensure to upload self-attested scanned copies with clear image as required by the tenderer. Failure to do so is likely to result in the bid being rejected. NOTE: The Price Bid / Price Schedule shall have to be submitted online at www.mstcecommerce.com/eproc. Any price indication in the Technical Bid (Uploaded) shall be summarily rejected. (Also refer clause 7 of NIT)

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			ii. In addition to documents mentioned in Clause No. 20.9.2, the following sections and/or annexures need to be digitally signed and uploaded as part of the Bid: - 1. Section III: Special Instructions to Tenderers (SIT) 2. Section V: Special Conditions of Contract (SCC) 3. Section VII: Scope of Work
14	24.4	Opening of Tenders	Price bids of only those bidders who qualify in the Techno-Commercial Bid (Part-I) will be opened.
15	31	Qualification and Eligibility Criteria	Relaxation of Norms with regard to Prior Turnover and Prior experience for Class-I and Class-II local suppliers and Start-up's [MSEs or otherwise] subject to meeting of quality and technical specifications as referred in Annexure 1 to 5. Note: This tender does not fall under the category of procurement of items/services related to public safety, health, critical security operations and equipment, etc. [Refer Annexure 1 to 5]. Note: This tender falls under category of Works Contract; so, as Work Contracts are excluded from the purview of Pubic Procurement Policy for MSEs Order 2012, Relaxation of norms with respect to Prior Turnover & Prior Experience to MSE's shall not be applicable.
16	35.2, 35.3	Additional Factors and Parameters for Evaluation and Ranking of Responsive Tenders	35.2 As specified. Prospective bidders should meet our tender conditions as well as the proposed works should meet our required Specifications at Section VII. 35.3 Price bid evaluation shall be subject to purchase preference to Class-I Local Suppliers as per GoI guidelines [Refer Annexure 1 to 5]. However, this Purchase Preference shall be executed considering the tender quantity to be "NON-DIVISIBLE" in nature. Note: This tender falls under category of Works Contract; so, as Work Contracts are excluded from the purview of Pubic Procurement Policy for MSEs Order 2012, Purchase Preference to MSE's shall not be applicable.
17	41	Award Criteria	Tender shall be finalized on the basis of Schedule wise Lowest (L1) Bidder from eligible bidders as per Section XI and as per other terms & conditions of the tender.

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18	42	Variation of quantities at the time of award	At the time of awarding the contract, the quantity to be procured shall be re-judged based on the current data, since the ground situation may have very well changed. In that case, BRBNMPL reserves the right to increase or decrease the tendered quantity by 25% (Twenty-Five per cent) for ordering, if so warranted.
19	43	Parallel Contracts	Not applicable
20	44.3	Integrity Pact	Applicable
21	45, 46, 47	Notification of Award, Issue of Contract, Non-receipt of Performance Security and Contract by BRBNMPL	No change a) On finalisation of Tender, Notification of Award of Contract (NOA) / Letter of Intent (LOI) will be issued by BRBNMPL, Salboni to successful bidder. b) Successful Bidder shall furnish performance security to BRBNMPL within 21 days of issue of NOA/LOI as mentioned at Section V-SCC, Clause Sl. No. 03 to respective BRBNMPL Presses (Salboni/Mysuru). c) Separate Work Contract will be executed by Mysuru and Salboni Press only after acceptance of NOA/LOI and after submission of Performance Security by the Bidder. d) Non-Acceptance of Notification of Award of Contract (NOA) / Letter of Intent (LOI) and/or Non-Submission of Performance Security may be viewed seriously by BRBNMPL and BRBNMPL may, at its discretion, take suitable punitive action, as deemed fit, against the same. e) Time Schedule will be considered from the date issue of Notification of Award of Contract (NOA) / Letter of Intent (LOI).
22	50	Tender For Rate Contracts	Not applicable
23	51	PQB Tenders	Not applicable
24	52.2, 52.3	Purchaser's Samples and Pre-Production Samples	Not applicable
25	53	EOI Tenders	Not applicable
26	54	Tenders for Disposal of Scrap	Not applicable
27	55	Development / Indigenization Tenders	Not applicable

DECLARATION

We confirm that we shall comply with, abide by, and accept without variation, deviation, or reservation, all terms and conditions detailed in Section III: Special Instructions to Tenderers (SIT) and we have no counter-conditions.

Signature of Authorized Signatory with Date and Seal

Section IV: General Conditions of Contract (GCC)**Part I: General Conditions of Contract applicable to all types of Tenders****1. Interpretation; Definitions and Abbreviations:** In the contract, unless the context otherwise requires:**1.1 Interpretation and Definitions:**

- 1) The heading of these conditions shall not affect the interpretation or construction thereof.
- 2) "Writing" or "Written" includes matter either in whole or in part, in manuscript, typewritten, lithographed, cyclostyled, photographed or printed under or over signature or seal, as the case may be.
- 3) Words in the singular include the plural and vice-versa.
- 4) Words importing the masculine gender shall be taken to include the feminine gender and words importing persons shall include any company or association or body of individuals, whether incorporated or not.
- 5) Terms and expression not herein defined shall have the meanings assigned to them in the Indian Sale of Goods Act, 1930 (as amended) or the Indian Contract Act, 1872 (as amended) or the General Clauses Act, 1897 (as amended) as the case may be.
- 6) Any reference to 'Goods' shall be deemed to include the incidental Works/Services also while any reference to 'Services' shall be deemed to include the incidental Works/Goods also.
- 7) Any generic reference to GCC shall also imply a reference to SCC as well.
- 8) In case of conflict, provisions of SCC shall prevail over those in GCC.
- 9) Any reference to 'Contract' shall be deemed to include all other documents (inter-alia GCC, SCC) as described in GCC-clause 2.5.
- 10) Any reference to any legal Act, Government Policies or orders shall be deemed to include all amendments to such instruments, from time to time, till date.
- 11) "Allied Firms" are all business entities that are within the 'controlling ownership interest' (ownership of or entitlement to more than twenty-five percent of the company's shares or capital or profits) or 'control' (including the right to appoint a majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholder agreements or voting agreements) of the principal firm acting alone or together or through one or more juridical persons. All successor firms or assigns of the principal firm shall be considered allied firms.
- 12) "Bid" (including the term 'tender', 'offer', 'quotation' or 'proposal' in specific contexts) means an offer to supply goods, services or execution of works made as per the terms and conditions set out in a document inviting such offers.
- 13) "Bidder" (including the term 'Bidder', 'consultant' or 'service provider' in specific contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a Tender Process.
- 14) "Bill of Quantities" (including the term Price Schedule or BOQ) means the priced and completed Bill of Quantities forming part of the bid.
- 15) "Consignee" means the person to whom the goods are required to be delivered as specified in the Contract. If the goods are required to be delivered to a person as an interim consignee for the purpose of dispatch to

another person as provided in the Contract then that "another" person is the consignee, also known as ultimate consignee.

- 16) "Contract" (including the terms 'Purchase Order' or 'Supply Order' or 'Withdrawal Order' or 'Work Order' or 'Consultancy Contract' or 'Contract for Services', 'Rate Contract' or 'Framework Contract' or 'Letter of Intent - Lol' (letter or memorandum communicating to the contractor the acceptance of his bid) or 'Agreement' or a 'Repeat Order' accepted/acted upon by the contractor or a 'formal Agreement', under specific contexts), means a formal legal agreement in writing relating to the subject matter of procurement, entered into between the Procuring Entity and the contractor on mutually acceptable terms and conditions and which are in compliance with all the relevant provisions of the laws of the country;
- 17) "Contractor" (including the terms 'Supplier' or 'Service Provider' or 'Consultant' or 'Firm' or 'Vendor' or 'Manufacturer' or 'Successful Bidder' under specific contexts) means the person, firm, company, or a Joint Venture with whom the contract is entered into and shall be deemed to include the contractor's successors (approved by the Procuring Entity), agents, subcontractor, representatives, heirs, executors, and administrators as the case may be unless excluded by the terms of the contract;
- 18) "Day", "Month", "Year" shall mean calendar day/ month or year (unless reference to financial year is clear from the context).
- 19) "Drawing" means the drawing or drawings specified in or annexed to the Specifications or the Tender Document/Contract;
- 20) "Earnest Money Deposit" (EMD) means monetary guarantee to be furnished by a Tenderer along with its tender.
- 21) "Goods" (including the terms 'Stores', 'Material(s)' in specific contexts) includes all articles, material, commodity, livestock, medicines, furniture, fixtures, raw material, consumables, spare parts, instruments, machinery, equipment, industrial plant, vehicles, aircrafts, ships, railway rolling stock assemblies, subassemblies, accessories, a group of machines comprising an integrated production process or such other categories of goods or intangible products like technology transfer, licenses, patents or other intellectual properties (but excludes books, publications, periodicals, etc., for a library) under specific context), procured or otherwise acquired by a Procuring Entity. Any reference to Goods shall be deemed to include certain small work or some services, which are incidental or consequential to the supply of such goods, such as transportation, insurance, installation, commissioning, training and maintenance.
- 22) "Government" means the Central Government or a State Government as the case may be and includes agencies and Public Sector Enterprises under it, in specific contexts;
- 23) "Inspection" means activities such as measuring, examining, testing, analysing, gauging one or more characteristics of the goods or services or works, and comparing the same with the specified requirement to determine conformity.
- 24) "Inspecting Officer" means the person, or organisation specified in the contract for the purpose of inspection under the contract and includes his / their authorised representative;
- 25) "Intellectual Property Rights" (IPR) means the rights of

- the intellectual property owner concerning a tangible or intangible possession/ exploitation of such property by others. It includes rights to Patents, Copyrights, Trademarks, Industrial Designs, Geographical indications (GI).
- 26) "Joint Venture" means a Joint Venture or a Consortium (that is an association of several persons, or firms or companies - also referred to as JV/C)
- 27) "Purchaser" means BRBNMPL - the organization purchasing goods and services as incorporated in the documents;
- 28) "Purchase Officer" means the officer signing the acceptance of tender and includes any officer who has authority to execute the relevant contract on behalf of the Purchaser;
- 29) "Parties": The parties to the contract are the "Contractor" and the "Purchaser", as defined above;
- 30) "Performance Security" (includes the terms 'Security Deposit' or 'Performance Bond' or 'Performance Bank Guarantee' or other specified financial instruments in specific contexts) means monetary guarantee to be furnished by the successful Tenderer for due performance of the contract placed on it.
- 31) "Place of Delivery": The delivery of the stores shall be deemed to take place on delivery of the stores in accordance with the terms of the contract, after approval by the Inspecting Officer, if so provided in the contract:
- The consignee at his premises; or
 - Where so provided, the interim consignee at his premises; or
 - A carrier or other person named in the contract for the purpose of transmission to the consignee; or
 - The consignee at the destination station in case of contract stipulating for delivery of stores at destination station.
- 32) "Procurement" or "public procurement" (or 'Purchase', or 'Government Procurement/Purchase' including an award of Public-Private Partnership projects, in specific contexts) means the acquisition of Goods/Services/works by way of purchase, lease, license or otherwise, either using public funds or any other source of funds (e.g. grant, loans, gifts, private investment etc.) of goods, works or services or any combination thereof, by a Procuring Entity, whether directly or through an agency with which a contract for procurement services is entered into, but does not include any acquisition without consideration. The term "procure" / "procured" or "purchase" / "purchased" shall be construed accordingly;
- 33) "Scheduled Commercial Bank" means a bank, defined as a scheduled bank under section 2(e) of the Reserve Bank of India Act, 1934.
- 34) "Services" is defined by exception as any subject matter of procurement other than goods or works, except those incidental or consequential to the service, and includes physical, maintenance, professional, intellectual, training, consultancy and advisory services or any other service classified or declared as such by a Procuring Entity but does not include appointment of an individual made under any law, rules, regulations or order issued in this behalf. It includes 'Consultancy Services' and 'Other (Non-consultancy) Services'.
- 35) "Specification" or "Technical Specification" means the drawing/ document/standard or any other details governing the construction, manufacture or supply of goods or performance of services that prescribes the requirement to which goods or services have to conform as per the contract.
- 36) "Signed" means ink signed or digitally signed with a valid Digital Signature as per IT Act 2000 (as amended from time to time). It also includes stamped, except in the case of Letter of Award or amendment thereof.
- 37) "Tender"; "Tender Document"; "Tender Enquiry" or "Tender Process": 'Tender Process' is the whole process from the publishing of the Tender Document till the resultant award of the contract. 'Tender Document' means the document (including all its sections, appendices, forms, formats, etc.) published by the Procuring Entity to invite bids in a Tender Process. The Tender Document and Tender Process may be generically referred to as "Tender" or "Tender Enquiry", which would be clear from context without ambiguity.
- 38) "Test" means such test as is prescribed by the particulars governing the construction, manufacture or supply of Goods as may be prescribed by the contract or considered necessary by the Inspecting Officer whether performed or made by the Inspecting Officer or any agency acting under the direction of the Inspecting Officer;
- 39) "Works" refer to any activity, sufficient in itself to fulfil an economic or technical function, involving construction, fabrication, repair, overhaul, renovation, decoration, installation, erection, excavation, dredging, and so on, which make use of a combination of one or more of engineering design, architectural design, material and technology, labour, machinery and equipment. Supply of some materials or certain services may be incidental or consequential to and part of such works. The term "Works" includes (i) civil works for the purposes of roads, railway, bridges, buildings, irrigation systems, water supply, sewerage facilities, dams, tunnels and earthworks; and so on, and (ii) mechanical and electrical works involving fabrication, installation, erection, repair and maintenance of a mechanical or electrical nature relating to machinery and plants.

1.2 Abbreviations:

"AAEC"	means "Appreciable Adverse Effect on Competition" as per Competition Act
"BG"	means Bank Guarantee
"BL or B/L"	means Bill of Lading
"BOQ"	means Bill of Quantities
"BSD"	means Bid Securing Declaration
"BNPMIPL"	means Bank Note Paper Mill India Private Limited
"BRBNMPL"	means Bhartiya Reserve Bank Note Mudran Private Limited
"CD"	means Custom Duty
"CFR"	means Cost and Freight (port of destination)
"CIF"	means Cost, Insurance and Freight (port of destination)
"CMD"	means Chairman and Managing Director
"CPSU"	means Central Public Sector Undertaking
"DAP"	means Delivered at Place (Destination)
"DDO"	means Direct Demanding Officer in Rate Contracts
"DEA"	means Department of Economic Affairs
"DoCC"	means Currency and Coins Division in Department of Economic Affairs
"DGS&D"	means Directorate General of Supplies and Disposals
"DP"	means Delivery Period
"DPIIT"	means Department for Promotion of Industry and Internal Trade
"DSC"	means Digital Signature Certificate
"ECS"	means Electronic clearing system
"EFT/NEFT"	means (National) Electronic Funds Transfer
"EMD"	means Earnest money deposit
"EOI"	means Expression of Interest (Tendering System)
"e-RA"	means Electronic Reverse Auction
"ERV"	means Exchange rate variations
"FAS"	means Free Alongside Ship (port of loading)
"FOB"	means Freight on Board (port of loading)

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"FOR"	means Free on Rail (named Station)
"GCC"	means General Conditions of Contract
"GeM"	means Government e-Marketplace
"GIT"	means General Instructions to Tenderers
"GoI"	means Government of India
"GST"	means Goods and Services Tax
"H1, H2 etc."	means First Highest, Second Highest Offers etc. in Disposal Tenders
"HSN"	means Harmonized System of Nomenclature
"IEM"	means Independent External Monitor
Incoterms	means International Commercial Terms, 2000 (of ICC)
"INR"	means Indian Rupee
"IPR"	means Intellectual Property Rights
"ITC (HS)"	means Indian Tariff Classification (Harmonised System)
"L1, L2 etc."	means First or second Lowest Offer etc.
"LC"	means Letter of Credit
"LD or L/D"	means Liquidated Damages
"LoI"	means Letter of Intent [analogous to LoA – Letter of Award (Acceptance) or Notification of Award of Contract]
"LSI"	means Large Scale Industry
"MII"	means Make in India
"MoF"	means Ministry of Finance
"MSE"	means Micro and Small Scale Enterprise
"MSME"	means Micro, Small and Medium Enterprises
"MSMED"	means MSME Development (Act)
"NIT"	means Notice Inviting Tenders
"NSIC"	means National small industries corporation
"OEM"	means Original Equipment Manufacturer
"PAN"	means Permanent Account Number
"PQB"	means Pre-qualification bidding
"PSU"	means Public Sector Undertaking
"PVC"	means Price variation clause
"RBI"	means Reserve Bank of India
"RC"	means Rate contract
"RCM"	means Reverse Charge Mechanism
"RFI"	means Request for Information
"RFP"	means Request for Proposal
"RFQ"	means Request for Qualification
"RR or R/R"	means Railway Receipt
"SBD" or "TD"	means Standard Bid Document / Tender Document
"SCC"	means Special Conditions of Contract
"SIT"	means Special Instructions to Tenderers
"SPMCIL"	means Security Printing and Minting Corporation Limited
"SSI"	means Small Scale Industry

2. A. Application

2.1 The General Conditions of Contract incorporated in this section shall be applicable for this purchase to the extent the same are not superseded by the Special Conditions of Contract (SCC) prescribed under Section V of this document.

2.2 General Conditions of the contract shall not be changed from one tender to other.

B. The Contract**2.3 Language of Contract**

Unless otherwise stipulated in SCC, the contract shall be written in the Official Language or English. All correspondence and other contract documents, which the parties exchange, shall also be written/translated accordingly in that language. For purposes of interpretation of the contract, the English documents/translation shall prevail.

2.4 Severability

If any provision or condition of this Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of this Contract.

2.5 Contract Documents and their Precedence

The following conditions and documents in indicated order of precedence (higher to lower) shall be considered an integral part of the contract, irrespective of whether these are not appended/referred to in it. Any generic reference to 'Contract' shall imply reference to all these documents as well:

- (i) Valid and authorized Amendments issued to the contract.
- (ii) the Agreement consisting of the initial paragraphs, recitals and other clauses set forth immediately before the GCC and including the formats annexed to it and signatures of Procuring Entity;
- (iii) the Letter of Intent (LoI)
- (iv) Final written submissions made by the contractor during negotiations, if any;
- (v) the SCC
- (vi) the GCC
- (vii) the contractor's bid;
- (viii) any other document listed in the SCC as forming part of this Contract.
- (ix) Integrity Pact, if any

C. Governing Laws and Jurisdiction

2.6 The Contract, its meaning and interpretation, and the relation between the Parties shall be governed by the Laws of India for the time being in force.

2.7 Irrespective of the place of delivery, or the place of performance or the place of payments under the contract, the contract shall be deemed to have been made at the place from which the Letter of Intent (LoI, or the contract Agreement, in the absence of LoI) has been issued. The courts at Kolkata or Bengaluru shall alone have jurisdiction to decide any dispute arising out or in respect of the contract.

2.8 Besides GCC and SCC, the following Laws shall be applicable:

- (i) Indian Contracts Act, 1872
- (ii) Sale of Goods Act, 1930
- (iii) Arbitration and Conciliation Act, 1996 and Arbitration and Reconciliation Amendment Act, 2015
- (iv) Competition Act, 2002 as amended by Competition (Amendment Act), 2007

D. Contractor's Obligations and restrictions on its Rights

2.9 Changes in Constitution / financial stakes / responsibilities of a Contract's Business: The Contractor must proactively keep the Procuring Entity informed of any changes in its constitution / financial stakes / responsibilities during the execution of the contract.

2.10 Obligation to Maintain Eligibility and Qualifications:

The contract has been awarded to the contractor based on specific eligibility and qualification criteria. The Contractor is contractually bound to maintain such eligibility and qualifications during the execution of the contract. Any change which would vitiate the basis on which the contract was awarded to the contractor should be pro-actively brought to the notice of the Procuring Entity within seven (07) days of it coming to the Contractor's knowledge. These changes include but are not restricted to change regarding declarations made by it in its bid in Section XVIII: Eligibility Declarations.

2.11 Consequences of a breach of Obligations: Should the Contractor or any of its Partners or its Subcontractors or the Personnel commit a default or breach of its obligations, the Contractor shall remedy such breaches

- within 21 days, keeping the Procuring Entity informed. However, at its discretion, the Procuring Entity shall be entitled, and it shall be lawful on his part, to treat it as a breach of contract and avail any or all remedies thereunder. The decision of the Procuring Entity as to any matter or thing concerning or arising out of GCC clause or on any question whether the contractor or any partner of the contractor firm has committed a default or breach of any of the conditions shall be final and binding on the contractor.
- E. Permits, Approvals and Licenses**
- 2.12** Whenever the supply of Goods and incidental Works/Services requires that the contractor obtain permits, approvals, and licenses from local public authorities, it shall be the contractor's sole responsibility to obtain these and keep these current and valid. Such requirements may include but not be restricted to export licence or environmental clearance, if required. If requested by the contractor, the Procuring Entity shall make its best effort to assist the contractor in complying with such requirements in a timely and expeditious manner, without any dilution of the Contractor's responsibility in this regard.
- 3. Use of contract documents and information**
- 3.1** The supplier shall not, without BRBNMPL's prior written consent, disclose the contract or any provision thereof including any specification, drawing, sample or any information furnished by or on behalf of BRBNMPL in connection therewith, to any person other than the person(s) employed by the supplier in the performance of the contract emanating from this tender document. Further, any such disclosure to any such employed person shall be made in confidence and only so far as necessary for the purposes of such performance for this contract.
- 3.2** During the process of procurement of Security or Sensitive Machinery and Items, Tender Documents and the specifications / drawings of such items would be issued only to Vendors having security clearance within the validity of such clearance and he shall maintain absolute secrecy and strictly control the number of copies and access to the documents and copies thereof, in addition to safeguards mentioned in sub-para above.
- 3.3** Further, the supplier shall not, without BRBNMPL's prior written consent, make use of any document or information mentioned in GCC sub-clause 3.1 above except for the sole purpose of performing this contract.
- 3.4** Except the contract issued to the supplier, each and every other document mentioned in GCC sub-clause 3.1 above shall remain the property of BRBNMPL and, if advised by BRBNMPL, all copies of all such documents shall be returned to BRBNMPL on completion of the supplier's performance and obligations under this contract.
- 3.5** All deliverables, outputs, plans, drawings, specifications, designs, reports, and other documents and software submitted by the contractor under this Contract shall become and remain the property of BRBNMPL and subject to laws of copyright and must not be shared with third parties or reproduced, whether in whole or part, without BRBNMPL's prior written consent. The contractor may retain a copy of such documents and software but shall not use it for any commercial purpose.
- 4. Indemnities for breach of IPR Rights**
- 4.1** The contractor shall indemnify and hold harmless, free of costs, the Procuring Entity and its employees and officers from and against all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which may arise in respect of the Goods or Services provided by the contractor under this Contract, as a result of any infringement or alleged infringement of any patent, utility model, registered design, copyright, or other Intellectual Proprietary Rights (IPR) or trademarks, registered or otherwise existing on the date of the contract arising out of or in connection with:
- (i) Any design, data, drawing, specification, or other documents or Goods or Services provided or designed by the contractor for or on behalf of the Procuring Entity.
 - (ii) The sale by the Procuring Entity in any country of the Services/ products produced by the Goods supplied by the contractor, and
 - (iii) The installation of the Goods by the contractor/Delivery of the services or the use of the Goods or Services at the Procuring Entity's Site.
- 4.2** Such indemnity shall not cover any use of the Goods or Services or any part thereof or any products produced thereby:
- (i) other than for the purpose indicated by or to be reasonably inferred from the contract
 - (ii) neither any infringement resulting from the use of the Services or any part thereof,
 - (iii) or any service/products produced thereby in association or combination with any other service, equipment, plant, or materials not supplied by the contractor.
- 4.3** If any proceedings are brought, or any claim is made against the Procuring Entity arising out of the matters referred above, the Procuring Entity shall promptly give the contractor a notice thereof. At its own expense and in the Procuring Entity's name, the contractor may conduct such proceedings and negotiations to settle any such proceedings or claim, keeping the Procuring Entity informed.
- 4.4** If the contractor fails to notify the Procuring Entity within twenty-eight (28) days after receiving such notice that it intends to conduct any such proceedings or claim, then the Procuring Entity shall be free to conduct the same on its behalf at the risk and cost to the contractor.
- 4.5** At the contractor's request, the Procuring Entity shall afford all available assistance to the contractor in conducting such proceedings or claim and shall be reimbursed by the contractor for all reasonable expenses incurred in so doing.
- 5. Eligible Goods/Services - Country of Origin and Minimum Local Content**
- 5.1** Unless otherwise stipulated in SCC or Contract, the country of origin of 'Goods' and 'incidental Works/ Service' to be supplied under the contract shall have their origin in India or other countries and must conform to the declaration made by the contractor in its bid regarding but not limited to i) restrictions on certain countries with land-borders with India; ii) minimum local content and location of value addition (Make in India Policy); iii) Contractor's status as MSE or Start-up.
- 5.2** The term "origin" used in this clause means where the goods (including subcontracted components) are mined, grown, produced, or manufactured or from where the incidental Works/ Services are arranged and supplied.
- 6. Performance Security**
- 6.1** Within twenty-one (21) days (or any other period mentioned in Tender Document or Contract) after the issue of notification of award (LoI or the contract, if LoI is skipped) by BRBNMPL, the supplier shall furnish to BRBNMPL performance security for an amount of **three to ten percent (3-10%)** of the total value of the contract, valid up to sixty (60) days (or any other period mentioned in Tender Document or Contract) after the date of completion of all contractual obligations by the supplier, including the warranty

- obligations.
- 6.2** For **multi-year Service contracts** which may be of 5-7 years or more, procuring entities may consider to proportionately keep reducing performance security in proportion to the balance service period, wherever feasible. Wherever it is decided to take lower or proportionately reducing performance security, tender conditions may be suitably modified.
- 6.3** The Performance security shall be denominated in Indian Rupees or in the currency of the contract and shall be in one of the following forms:
- Insurance Surety Bond
 - Account Payee Demand Draft drawn on any scheduled commercial bank in India, in favour of Bharatiya Reserve Bank Note Mudran Private Limited as indicated in the relevant clause of NIT in reference to EMD.
 - Bank Guarantee (including e-Bank Guarantee) issued/ confirmed by any scheduled commercial bank in India, in the prescribed form as provided in section XV of this document.
- 6.4** In the event of any loss due to supplier's failure to fulfil its obligations in terms of the contract, the amount of the performance security shall be payable to BRBNMPL to compensate BRBNMPL for the same.
- 6.5** In the event of any amendment issued to the contract, the supplier shall, within twenty-one days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.
- 6.6** If the contractor during the currency of the Contract fails to maintain the requisite Performance Security, it shall be lawful for the Procuring Entity at its discretion:
- to terminate the Contract for Default besides availing any or all contractual remedies provided for breaches/default, or
 - without terminating the Contract:
- recover from the contractor the amount of such security deposit by deducting the amount from the pending bills of the contractor under the contract or any other contract with the Procuring Entity, or
 - treat it as a breach of contract and avail any or all availing any or all contractual remedies provided for breaches/default.
- 6.7** Subject to GCC sub-clause 6.3 above, BRBNMPL will release the performance security without any interest to the supplier on completion of the supplier's all contractual obligations including the warranty obligations.
- 6.8 Non-receipt of Performance Security and Contract by BRBNMPL**
Failure of the successful tenderer in providing performance security within 21 days of receipt of notification of award and / or returning contract copy duly signed within stipulated time shall make the tenderer liable for annulment of the award and forfeiture of its EMD (or enforcement of Bid Securing Declaration), besides taking other administrative punitive actions by BRBNMPL against it.
- 6.9 No Claim Certificate and Release of Contract Securities**
After mutual reconciliations of outstanding payments and assets on either side, the contractor shall submit a 'No-claim certificate' to the Procuring Entity requesting the release of its contractual securities, if any. The Procuring Entity shall release the contractual securities without any interest if no outstanding obligation, asset, or payments are due from the contractor. The contractor shall not be entitled to make any claim whatsoever against the Procuring Entity under or arising out of this Contract, nor shall the Procuring Entity entertain or consider any such claim, if made by the contractor, after he shall have signed a "No Claim" Certificate in favour of the Procuring Entity.
- 7. Technical Specifications and Standards**
- 7.1 Scope of Supply/Services:** The Goods & Services to be provided by the supplier under this contract shall conform to the technical specifications and quality control parameters mentioned in 'Technical Specification' and 'Quality Control Requirements' under Sections VII and VIII of this document.
- 7.2 Incidental Works/Services:** If so stipulated, the contractor shall be required to perform specified incidental Works/Services (e.g., Installation, Commissioning, Operator's Training etc. in case of Supply of Capital Goods/Machinery & Plant) as an integral part of the Goods in the contract or perform/deliver specified incidental Works/Goods as an integral part of the Services in the contract.
- 8. Packing and Marking**
- 8.1** The packing for the goods to be provided by the supplier should be strong and durable enough to withstand, without limitation, the entire journey during transit including transshipment (if any), rough handling, open storage etc. without any damage, deterioration etc. As and if necessary, the size, weights and volumes of the packing cases shall also take into consideration, the remoteness of the final destination of the goods and availability or otherwise of transport and handling facilities at all points during transit up to final destination as per the contract.
- 8.2** The quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall strictly comply with the requirements as provided in Technical Specifications and Quality Control Requirements under Sections VII and VIII and in SCC under Section V. In case the packing requirements are amended due to issue of any amendment to the contract, the same shall also be taken care of by the supplier accordingly.
- 8.3 Packing instructions:**
Unless otherwise mentioned in the Technical Specification and Quality Control Requirements under Sections VII and VIII and in SCC under Section V, the supplier shall make separate packages for each consignee (in case there is more than one consignee mentioned in the contract) and mark each package on three sides with the following with indelible paint of proper quality:
- contract number and date
 - brief description of goods including quantity
 - the gross weight of the package
 - packing list reference number
 - country of origin of goods
 - consignee's name and full address and
 - supplier's name and address
- 9. Inspection and Quality Control**
- 9.1** BRBNMPL and / or its nominated representative(s) will, without any extra cost to BRBNMPL, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. BRBNMPL shall inform the supplier in advance, in writing, BRBNMPL's programme for such inspection and, also the identity of the officials to be deputed for this purpose.
- 9.2** The Technical Specification and Quality Control Requirements incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to BRBNMPL's inspector at

- no charge to BRBNMPL.
- 9.3** If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, BRBNMPL's inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to BRBNMPL and resubmit the same to BRBNMPL's inspector for conducting the inspections and tests again.
- 9.4** In case the contract stipulates pre-despatch inspection of the ordered goods at suppliers' premises, the supplier shall put up the goods for such inspection to BRBNMPL's inspector well ahead of the contractual delivery period, so that BRBNMPL's inspector is able to complete the inspection within the contractual delivery period.
- 9.5** If the supplier tenders the goods to BRBNMPL's inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to BRBNMPL under the terms & conditions of the contract.
- 9.6** BRBNMPL's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by BRBNMPL's inspector during pre-despatch inspection mentioned above.
- 9.7** Goods accepted by BRBNMPL and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute BRBNMPL's right to reject the same later, if found deficient concerning 'Technical Specifications and Quality Assurance'.
- 10. Terms of Delivery**
- 10.1** Goods shall be delivered by the supplier in accordance with the terms of delivery specified in the contract.
- 10.2 Time is the Essence of the contract:** The time for and the date for delivering the Goods stipulated in the contract or as extended shall be deemed to be of the essence of the contract. Delivery must be completed not later than the date(s) so specified or extended.
- 10.3** Terms of delivery (e.g., F.O.R. destination/CIF/DAP etc.) shall determine the point at which the responsibilities and property in goods passes over from the contractor to the Procuring Entity. These terms also determine the time of delivery.
- 10.4 Transfer of Title of Goods:** Unless otherwise stated in the contract, notwithstanding any inspection and approval by the Inspecting Officer on the contractor's premises, or any payments made to the contractor, property in the Goods (and resultant rights and liabilities) shall not pass on to the Procuring Entity until the Goods have been received, inspected, and accepted by the consignee. The Contractor shall be responsible for all loss, destruction, damage, or deterioration of or to the Goods from any cause whatsoever while the Goods after approval by the Inspecting Officer are awaiting despatch or delivery or are in the course of transit from the contractor to the consignee or, as the case may be, interim consignee. The Contractor shall alone be entitled and responsible for making claims against any carrier in respect of non-delivery, short delivery, mis-delivery, loss, destruction, damage, or deterioration of the Goods entrusted to such carrier by the contractor for transmission to the consignee or the interim consignee as the case may be.
- 10.5 Quantity Tolerance:** Unless otherwise stipulated in the contract, the obligation for completing supplies shall be considered complete if the Goods have been supplied to the tolerance of $\pm 5\%$ of the quantity or of the total value of goods ordered in the contract. Only the supplied quantity shall be paid for as per the terms of the contract.
- 11. Transportation of Goods**
- 11.1 Part Supplies:** The supplier shall not arrange part-shipments and / or transshipments without the express / prior written consent of BRBNMPL.
- 11.2 Instructions for transportation of domestic goods including goods already imported by the supplier under its own arrangement:** In case no instruction is provided in this regard in the SCC, the supplier will arrange transportation of the ordered goods as per its own procedure.
- 11.3 Shipping Arrangement for Foreign Contracts:** In the case of FOB/FAS contracts, shipping arrangements shall be made by BRBNMPL. The Contractor shall give adequate notice to the Forwarding Agents/Nominees about the readiness of the cargo from time to time and at least six weeks' notice in advance of the required position for finalising the shipping arrangements. In the case of CFR contracts, the Contractor shall arrange shipment in accordance with the instructions from BRBNMPL.
- 11.4 Airlifting:** Should the Purchaser intend to airlift all or some of the stores the Contractor shall pack the stores accordingly on receipt of intimation to that effect from the Purchaser. Such deliveries will be agreed upon well in advance and paid for as may be mutually agreed.
- 12. Insurance:** Unless otherwise instructed in the SCC, the supplier shall make arrangements for insuring the goods against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the following manner:
- (i) In case of supply of domestic goods on CIF/FOR destination basis, the supplier shall be responsible till the entire stores contracted for arrive in good condition at destination. The transit risk in this respect shall be covered by the Supplier by getting the stores duly insured. The insurance cover shall be obtained by the Supplier in its own name and not in the name of BRBNMPL or its Consignee.
- (ii) In the case of FOB and CFR offers for import of Goods, insurance shall be arranged by the Purchaser. However, the supplier must give sufficient notice to the Purchaser prior to the date of shipment, so that the Insurance Cover for the shipment can be activated. The Supplier must co-ordinate so as to ensure that the Shipment sails only with Insurance cover in place.
- (iii) In case of Import of Goods, even in case where the insurance is paid by the Purchaser, and loss or damage shall be made good by the Contractor free of cost, without waiting for the settlement of insurance claim. The payment after settlement of insurance claim shall be reimbursed by the Purchaser to the Contractor. It will be entirely the responsibility of the Contractor to make good loss/damage without waiting for settlement of insurance claim so that machine is commissioned within the time specified in the contract.
- 13. Spare parts**
- 13.1** If specified in the List of Requirements and in the resultant contract, the supplier shall supply / provide any or all of the following materials, information etc. pertaining to spare parts manufactured and / or supplied by the supplier:
- a) The spare parts as selected by BRBNMPL to be purchased from the supplier, subject to the condition that such purchase of the spare parts shall not relieve the supplier of any contractual obligation including

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| <p>warranty obligations; and</p> <p>b) In case the production of the spare parts is discontinued:</p> <p>i. sufficient advance notice to BRBNMPL before such discontinuation to provide adequate time to BRBNMPL to purchase the required spare parts etc., and</p> <p>ii. immediately following such discontinuation, providing BRBNMPL, free of cost, the designs, drawings, layouts and specifications of the spare parts, as and if requested by BRBNMPL.</p> <p>13.2 Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the goods so that the same are supplied to BRBNMPL promptly on receipt of order from BRBNMPL.</p> <p>14. Incidental services</p> <p>14.1 Subject to the stipulation, if any, in the SCC (Section V) and the Technical Specification (Section VII), the supplier shall be required to perform any or all of the following services:</p> <p>a) Providing required jigs and tools for assembly, start-up and maintenance of the goods</p> <p>b) Supplying required number of operation & maintenance manual for the goods</p> <p>c) Installation and commissioning of the goods</p> <p>d) Training of BRBNMPL's operators for operating and maintaining the goods</p> <p>e) Providing after sales service during the tenure of the contract</p> <p>f) Providing maintenance service after expiry of the warranty period of the goods if so incorporated in the contract</p> <p>14.2 Prices to be paid to the supplier by BRBNMPL for any of the required incidental services, if not already included in the contract price during the placement of the contract, shall be settled and decided in advance by BRBNMPL and the supplier. However, such prices shall not exceed the contemporary rates charged by the supplier to other customers for similar services.</p> <p>15. Distribution of Despatch Documents for Clearance / Receipt of Goods</p> <p>15.1 The supplier shall send all the relevant despatch documents well in time to BRBNMPL to enable BRBNMPL to clear or receive (as the case may be) the goods in terms of the contract. Unless otherwise specified in the SCC, the usual documents involved and the drill to be followed in general for this purpose are as follows:</p> <p>15.2 For Domestic Goods, including goods already imported by the supplier under its own arrangement, within 24 hours of despatch, the supplier shall notify BRBNMPL, consignee, and others concerned if mentioned in the contract, the complete details of despatch and also supply the following documents to them by registered post / speed post (or as instructed in the contract):</p> <p>(a) Supplier's Invoice indicating, inter alia description and specification of the goods, quantity, unit price, total value;</p> <p>(b) Packing list;</p> <p>(c) Insurance certificate;</p> <p>(d) Railway receipt / Road Consignment note;</p> <p>(e) Manufacturer's guarantee certificate and in-house inspection certificate;</p> <p>(f) Inspection certificate issued by BRBNMPL's inspector</p> <p>(g) Expected date of arrival of goods at destination and</p> <p>(h) Any other document(s), as and if specifically mentioned in the contract.</p> <p>15.3 For Imported Goods, within 3 days of dispatch, the supplier will Notify BRBNMPL, consignee and other concerned if mentioned in the contract, the complete details of dispatch and also supply the following documents to them by Courier (or as instructed in the Contract), besides advance intimation by Fax / email:</p> <p>(a) Clean on Board Airway Bill/Bill of Lading (B/L)</p> | <p>(b) Original Invoice</p> <p>(c) Packing List (with item-wise gross and net weight)</p> <p>(d) Certificate of Origin from Seller's Chamber of Commerce</p> <p>(e) Certificate of pre-despatch inspection by BRBNMPL's representative/ nominee</p> <p>(f) Certificate of Quality and current manufacture from OEM</p> <p>(g) Dangerous Cargo Certificate, if any.</p> <p>(h) Insurance Policy of 110% if CIP/CIF contract.</p> <p>(i) Performance Bond / Warranty Certificate</p> <p>15.4 Receipt of Consignment - Preliminary Acknowledgement: At the time of the delivery at the destination, the consignee shall receive the Goods on a "subject to inspection and acceptance in terms of contract" basis and shall issue the preliminary receipt to acknowledge having received the claimed quantity (not the quality) of consignment.</p> <p>16. Warranty</p> <p>16.1 In general, the supplier should warrant that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by BRBNMPL in the contract. The supplier should further warrant that the goods supplied under the contract shall have no defect arising from design, materials (except when the design adopted and/ or the material used are as per BRBNMPL's specifications) or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India.</p> <p>16.2 Unless otherwise specified in the SCC, this warranty shall remain valid for twelve months after the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by BRBNMPL in terms of the contract or for fifteen months from the date of despatch from the supplier's premises for domestic goods (including goods already imported by the supplier under its own arrangement) or for eighteen months after the date of shipment from the port of loading in the source country for imported goods offered from abroad, whichever is earlier.</p> <p>16.3 Obligations of the contractor under the warranty clause shall survive even though:</p> <p>a) The Goods may have been inspected, accepted, installed/ commissioned and paid for by BRBNMPL.</p> <p>b) The contract is terminated for any reason whatsoever.</p> <p>16.4 BRBNMPL shall promptly notify in writing to the contractor, if during the period above, the said goods/stores/articles are discovered not to conform to the description and quality or have deteriorated, otherwise than by fair wear and tear (the decision of BRBNMPL in that behalf being final and conclusive).</p> <p>16.5 Upon receipt of such notice, the supplier shall, with all reasonable speed (or within the period, if specified in the SCC or contract), repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts / goods after providing their replacements and no claim, whatsoever shall lie on BRBNMPL for such replaced parts/goods thereafter.</p> <p>16.6 A penalty of 0.5% (half per cent) of the contract value for the delay in response time beyond specified time as detailed above shall be recoverable from the Performance/Warranty Guarantee. The maximum penalty for warranty failure will be 5% (Five percent) of the contract value during the whole warranty period. If there is further such delay after reaching this limit, BRBNMPL shall be entitled to encashment of whole of Performance/ Warranty Guarantee Bonds.</p> <p>16.7 In the event of any rectification of a defect or replacement of any defective goods during the</p> |
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- warranty period, the warranty for the rectified / replaced goods shall remain till the original warranty period.
- 16.8** If the supplier, having been notified, fails to rectify / replace the defect(s) within a reasonable period (or within the period, if specified in the SCC or contract), it shall amount to breach of Contract for default and BRBNMPL shall avail any or all remedial action(s) thereunder.
- 17. Assignment**
- 17.1** The Supplier shall not sublet, transfer, or assign, either in whole or in part, its contractual duties, responsibilities and obligations to perform the contract, except with BRBNMPL's prior written permission.
- 18. Sub Contracts**
- 18.1** The Supplier shall notify BRBNMPL in writing of all sub contracts awarded under the contract if not already specified in its tender. Such notification, in its original tender or later, shall not relieve the Supplier from any of its liability or obligation under the terms and conditions of the contract.
- 18.2** Sub contract shall be only for bought out items and incidental Works/ Services.
- 18.3** Sub contracts shall also comply with the provisions of GCC Clause 5 ("Country of Origin").
- 18.4** If the Contractor sublets or assigns this contract or any part thereof without such permission, the Procuring Entity shall be entitled, and it shall be lawful on his part, to treat it as a breach of contract and avail any or all remedies thereunder.
- 19. Modification of contract**
- 19.1** Once a contract has been concluded, the terms and conditions thereof will generally not be varied. However, if necessary, BRBNMPL may suo-moto or, on request from the supplier, by a written order given to the supplier at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract in any one or more of the following:
- (a) Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for BRBNMPL,
 - (b) mode of packing,
 - (c) incidental services to be provided by the supplier
 - (d) mode of despatch,
 - (e) place of delivery, and
 - (f) any other area(s) of the contract, as felt necessary by BRBNMPL depending on the merits of the case.
- 19.2** In the event of any such modification / alteration causing increase or decrease in the cost of goods and services to be supplied and provided, or in the time required by the supplier to perform any obligation under the contract, an equitable adjustment shall be made in the contract price and/ or contract delivery schedule, as the case may be, and the contract amended accordingly. If the supplier doesn't agree to the adjustment made by BRBNMPL, the supplier shall convey its views to BRBNMPL within twenty-one days from the date of the supplier's receipt of BRBNMPL's amendment / modification of the contract.
- 19.3 Option Clause:** By a suitable provision in the SCC, the Purchaser may reserve the right to increase the ordered quantity by 25% at any time, till final delivery date of the contract, by giving reasonable notice even though the quantity ordered initially has been supplied in full before the last date of Delivery Period.
- 19.4 Repeat Order:** By a suitable provision in the SCC, the Purchaser may reserve the right to procure additional 50% of the ordered quantity within 6 months from the date of last supply by placing repeat order against the previous order with same rate and terms and conditions. However, both optional quantity and repeat order quantity together shall not exceed 50% of the initial ordered quantity.
- 20. Prices**
- 20.1** Prices to be charged by the supplier for supply of goods and provision of services in terms of the contract shall not vary from the corresponding prices quoted by the supplier in its tender or during negotiations, if any, and incorporated in the contract except for any price adjustment authorized in the SCC.
- 20.2 Price Variation:** If the Price Variation clause is applicable as per the contract, the price shall be subject to adjustment to take care of the changes in the cost of labour, material, and fuel/power components as per the price variation formula specified therein.
- 20.3 Exchange Rate Variation:** The offer of the tenderer should indicate import content and the currency used for calculating import content. The Base Exchange rate of each significant currency used for calculating the Foreign Exchange content of the contract shall be as prevailing on the last deadline for submission of Techno-commercial Bids, and variation beyond the base Exchange Rate shall be calculated up to the midpoint of the delivery period, unless firm has already indicated the time schedule within which material will be imported by the firm. In case delivery period is refixed / extended, ERV will not be admissible, if this is due to default of the supplier.
- Documents for claiming ERV:
- (i) A bill of ERV claim enclosing working sheet
 - (ii) Banker's Certificate/debit advice detailing F.E. paid and exchange rate prevailing on the date as applicable. Copies of import order/agreement placed on supplier
 - (iii) Invoice of supplier for the relevant import order
 - (iv)
- 21. Taxes and Duties**
- 21.1** Supplier shall be entirely responsible for all taxes, duties, fees, levies etc. incurred until delivery of the contracted goods to BRBNMPL. Further instruction, if any, shall be as provided in the SCC.
- 21.2** If applicable under relevant tax laws and rules, BRBNMPL shall deduct from all payments and deposit required taxes to respective authorities on account of GST Reverse Charge Mechanism; Tax Deducted at Source (TDS), and Tax Collected at Source (TCS) relating to Income Tax, labour cess, royalty etc.
- 21.3** The payment of GST and GST Cess to the contractor shall be made only on the latter submitting a GST compliant Bill / invoice indicating the appropriate HSN code and applicable GST rate thereon duly supported with documentary evidence as per the provision of relevant GST Act and the Rules made there under. The delivery shall be shown being made in the name, location/ state, and GSTIN of the consignee only; the location of the procurement office of the procuring entity has no bearing on the invoicing.
- 21.4** The supply of Goods or services or both, if imported into India, shall be considered as supply under inter-state commerce / trade and shall attract integrated tax (IGST). The IGST rate and GST cess shall be applicable on the 'Custom Assessable Value' plus the 'Basic Customs duty applicable thereon'.
- 21.5** While claiming reimbursement of duties, taxes etc. (like GST) from the Procuring Entity, as and if permitted under the contract, the contractor shall also certify that in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the contractor) shall refund to the Procuring Entity, the Procuring Entity's share out of such refund received by the contractor. The Contractor shall also refund the appropriate amount to the Procuring Entity immediately on receiving the same from the concerned authorities.
- 21.6** All necessary adjustment vouchers such as Credit Notes/ Debit Notes for any short/ excess supplies or revision in prices or any other reason under the

- contract shall be submitted to the Procuring Entity in compliance with GST provisions.
- 21.7** Liquidated damages or any other recoveries should be shown as deductions on the invoice, and GST shall be applicable only on the nett balance payment due.
- 21.8** In case of Price Variation or Exchange Rate variation, or any other variation is applicable, GST shall be applicable on the nett invoice value after the variation is taken into account.
- 21.9** GST shall be paid as per the rate at which it is liable to be assessed or has been assessed provided the transaction of the sale is legally liable to such taxes and is payable as per the terms of the contract subject to the following conditions:
- (i) The Procuring Entity shall not pay a higher GST rate if leviable due to any misclassification of HSN number or incorrect GST rate incorporated in the contract due to contractor's fault. Wherever the contractor invoices the Goods at GST rate or HSN number, which is different from that incorporated in the contract, payment shall be made as per GST rate, which is lower of the GST rates incorporated in the contract or billed.
 - (ii) However, the Procuring Entity shall not be responsible for the contractor's tax payment or duty under a misapprehension of the law.
 - (iii) Bidder is informed that he shall be required to adjust his basic price to the extent required by a higher tax rate billed as per invoice to match the all-inclusive price mentioned in the contract.
 - (iv) In case of profiteering by the contractor relating to GST tax, the Procuring Entity shall treat it as a violation of the Code of Integrity in the contract and avail any or all punitive actions thereunder, in addition to recovery and action by the GST authorities under the Act.
 - (v) The contractor should issue Receipt vouchers immediately on receipt of all types of payments along with tax invoices after adjusting advance payments, if any, as per Contractual terms and GST Provisions.
 - (vi) Liquidated damages or any other recoveries should be shown as deductions on the invoice, and GST shall be applicable only on the nett balance payment due.
- 21.10 Statutory Variation Clause:** Unless otherwise stated in the contract, statutory increase in applicable GST rate only during the original delivery period shall be to Procuring Entity's account. Any increase in the rates of GST beyond the original completion date during the extended delivery period shall be borne by the contractor. The benefit of any reduction in GST rate must be passed on to the Procuring Entity during the original and extended delivery period. However, GST rate amendments shall be considered for quoted HSN code only, against documentary evidence, provided such an increase of GST rates after the last date of bid submission.
- 21.11 Duties/Taxes on Raw Materials:** The Procuring Entity is not liable for any claim from the contractor on account of fresh imposition and/ or increase (including statutory increase) of GST, customs duty, or other duties on raw materials and/ or components used directly in the manufacture of the contracted Goods taking place during the pendency of the contract unless such liability is expressly agreed to in terms of the contract.
- 22. Terms and Mode of Payment:** Unless specified otherwise in SCC, the terms of payments would be as follows:
- 22.1** Unless otherwise specified in SCC, usual payment term is 100% on receipt and acceptance of goods by the consignee (Stores section) and on production of all required documents by the supplier.
- 22.2 For Domestic Goods:** Unless otherwise specified in the SCC, payments to suppliers are usually made by account payee cheque or through ECS only. In case of non-payment through EFT, or where EFT facility is not available, payment may be released through cheque.
- 22.2.1** Where the terms of delivery is FOR dispatching Station, the payment terms, depending on the value and nature of the goods, mode of transportation etc. maybe 60% to 90% (as specified in SIT) on proof of dispatch and other related documents and balance on receipt at site and acceptance by the consignee (Stores section).
- 22.2.2** Where the terms of delivery is delivery at site / CIF Destination / FOR destination, usual payment term is 100% on receipt and acceptance of goods by the consignee (Stores section) and on production of all required documents by the supplier.
- 22.2.3** Where goods to be supplied also need installation and commissioning by the supplier, the payment terms are generally as under:
- (a) For a contract with terms of delivery as FOR dispatching station
 - i. 60% on proof of dispatch along with other specified documents
 - ii. 30% on receipt of the goods at site by the consignee (Stores section) and balance
 - iii. 10% on successful installation and commissioning and final acceptance by the consignee (User department)
 - (b) For a contract with terms of delivery as Delivery at site/CIF Destination/FOR destination
 - i. 90% on receipt and acceptance of goods by the consignee (Stores section) at destination and on production of all required documents by the supplier
 - ii. 10% on successful installation and commissioning and final acceptance by the consignee (User department)
- 22.3 For Imported Goods:** Unless otherwise specified in SCC, payments are made through an irrevocable Letter of Credit (LC).
- (a) Cases where Installation, Erection and Commissioning (if applicable) **are not the responsibility of the Supplier** - 90% net FOB/FAS/ CFR/CIF/CIP price is to be paid against invoice, shipping documents, inspection certificate (wherever applicable), manufacturers' test certificate, etc. and balance 10% on receipt of goods and after ascertaining its suitability by the consignee (User department).
 - (b) Cases where Installation, Erection and Commissioning **are the responsibility of the Supplier** - 80% to 90% net FOB/FAS/CFR/CIF/ CIP price (as specified in the SCC) will be paid against invoice, inspection certificate (where applicable), shipping documents etc. and balance 10% - 20% within 21-30 days of successful installation and commissioning at the consignee's premises and final acceptance by the consignee (User department).
- 22.4** Unless specified otherwise in the SCC, the following general conditions will apply for payment to the supplier.
- 22.5** In Domestic Contracts, payments shall only be made in Indian Rupees. In Global Tenders, payment to foreign bidders shall be made in the currency/ currencies authorized in the contract.
- 22.6** The supplier shall send its claim for payment in writing as per Section XIX - "Proforma for Bill for Payments", when contractually due, along with relevant documents etc., duly signed with date, as specified in SCC and in a manner as also specified therein.
- 22.7** While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.
- 22.8** The important documents which the supplier is to furnish while claiming payment are:
- a) Original Invoice (GST compliant)
 - b) Packing List (with item-wise gross and net weight)

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| <p>c) Certificate of country of origin of the goods from seller's Chamber of Commerce in case of imported goods</p> <p>d) Certificate of pre-dispatch inspection by BRBNMPL's representative / nominee</p> <p>e) Manufacturer's test certificate</p> <p>f) Performance / Warrantee Bond</p> <p>g) Certificate of insurance</p> <p>h) Clean on Bill of lading / Airway bill / Rail receipt or any other dispatch document, issued by a government agency (like postal department) or an agency duly authorized by the concerned ministry / department</p> <p>i) Consignee's Certificate confirming receipt and acceptance of goods in case of payment after receipt and acceptance</p> <p>j) Dangerous Cargo Certificate, if any, in case of imported goods.</p> <p>k) Any other document specified.</p> <p>22.9 While claiming reimbursement of duties, taxes (like GST, Customs duty and any other similar duties and taxes) from BRBNMPL, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to BRBNMPL. The supplier shall also refund the applicable amount to BRBNMPL immediately on receiving the same from the concerned authorities.</p> <p>22.10 In case where the supplier is not in a position to submit its bill for the balance payment for want of receipt copies of Inspection Note from the consignee and the consignee has not complained about the non-receipt, shortage, or defects in the supplies made, balance amount will be paid by the paying authority without consignee's receipt certificate after three months from the date of the preceding part payment for the goods in question, subject to the following conditions:</p> <p>(a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.</p> <p>(b) Delay in supplies, if any, has been regularized.</p> <p>(c) The contract price where it is subject to variation has been finalized.</p> <p>(d) The supplier furnishes the following undertakings:
 <i>"I/We, _____ certify that I/We have not received back the Inspection Note duly receipted by the consignee or any communication from BRBNMPL or the consignee about non-receipt, shortage or defects in the goods supplied. I / We agree to make good any defect or deficiency that the consignee may report within three months from the date of receipt of this balance payment or six months from the date of dispatch whichever is later."</i></p> <p>22.11 Withholding and lien in respect of sums claimed: Whenever any claim or claims for payment of a sum of money arises against the contractor, out of or under the contract, BRBNMPL shall be entitled, and it shall be lawful on his part, to withhold and also have a lien to retain such sum or sums, in whole or in part pending finalisation or adjudication of any such claim from:</p> <p>(i) any security or retention money, if any, deposited by the contractor.</p> <p>(ii) any sum(s) payable till now or hereafter to the contractor under the same Contract or any other contract with BRBNMPL if the security is insufficient or if no security has been taken from the contractor.</p> <p>22.12 Payment Against Time-Barred Claims: All claims against BRBNMPL shall be legally time-barred after three years calculated from the date when the payment falls due unless the payment claim has been under correspondence. BRBNMPL is entitled to, and it shall be lawful for it to reject such claims.</p> <p>23. Delay in the supplier's performance</p> | <p>23.1 The time for and the date specified in the contract or as extended for the delivery of the stores shall be deemed to be the essence of the contract and the supplier shall deliver the goods and perform the services under the contract within the time schedule specified by BRBNMPL in the List of Requirements and as incorporated in the contract.</p> <p>23.2 Subject to the provision under GCC clause 28, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions besides any administrative action:</p> <p>a) Imposition of liquidated damages,</p> <p>b) Forfeiture of its performance security and</p> <p>c) Termination of the contract for default.</p> <p>23.3 If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform BRBNMPL in writing about the same and its likely duration and make a request to BRBNMPL for extension of the delivery schedule accordingly. On receiving the supplier's communication, BRBNMPL shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.</p> <p>23.4 When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, inter alia contain the following conditions:</p> <p>(i) Liquidated Damages: BRBNMPL shall recover from the supplier, under the provisions of the clause 24 of the General Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.</p> <p>(ii) Denial Clause:</p> <p>a) That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty, Goods and Services Tax or on account of any other duties and taxes which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery stipulated in the contract.</p> <p>b) Notwithstanding any stipulation in the contract for an increase in price on any other ground, including price variation clause or foreign exchange rate variation, or any other variation clause, no such increase after the original delivery date shall be admissible on such goods delivered after the said date.</p> <p>c) But nevertheless, BRBNMPL shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, Goods and Services Tax or any other duty or tax or levy or on account of any other ground as stipulated in the price variation clause or foreign exchange rate variation or any other variation clause, which takes place after the expiry of the date of delivery stipulated in the contract.</p> <p>23.5 The supplier shall not despatch the goods after expiry of the delivery period. The supplier is required to apply to BRBNMPL for extension of delivery period and obtain the same before despatch. In case the supplier despatches the goods without obtaining an extension, it would be doing so at its own risk and no claim for payment for such supply and / or any other expense</p> |
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- related to such supply shall lie against BRBNMPL.
- 24. Liquidated damages**
- 24.1** Subject to GCC clause 28, if the supplier fails to deliver any or all of the Goods or fails to perform the services within the time frame(s) incorporated in the contract, BRBNMPL shall, without prejudice to other rights and remedies available to BRBNMPL under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to the 0.5% percent (or any other percentage if prescribed in the SCC) of the delivered price of the delayed goods and / or services for each week of delay or part thereof until actual delivery or performance, subject to a maximum deduction of the 10% (or any other percentage if prescribed in the SCC) of the delayed 'goods' or 'services' contract price(s). During the above-mentioned delayed period of supply and / or performance, the denial clause incorporated under GCC sub-clause 23.4 above shall also apply.
- 25. Custody and Return of BRBNMPL's Materials / Equipment / Documents loaned to Contractor**
- 25.1** Whenever stores are required to be issued to the firm/contractor for fabrication or prototypes or sub-assemblies are issued for guidance in fabrication, these would be issued against appropriate Bank Guarantee as specified in SCC. In addition to the Bank Guarantee, appropriate insurance may be asked if specified in the SCC.
- 25.2** All drawings and samples issued to the contractor in connection with the contract must be returned by him. Final payment will be withheld if this is not done, besides any other sanction deemed fit by BRBNMPL.
- 26. Breach of Contract - Termination for default**
- 26.1** BRBNMPL, without prejudice to any other contractual rights and remedies available to it for breach of contract, such as removal from the list of registered supplier, may, by written notice of default sent to the supplier, terminate the contract in whole or in part:
- (i) If the supplier fails to deliver any or all of the stores or services within the time period(s) specified in the contract, or any extension thereof granted.
 - (ii) If the supplier fails to perform any other obligation (including Code of Ethics or obligation to maintain eligibility and Qualifications based on which contract was awarded) within the period specified in the contract or any extension thereof granted.
 - (iii) If the supplier is found to have made any false or fraudulent declaration or statement to get the contract or he is found to be indulging in unethical or unfair trade practices.
 - (iv) When the item offered by the supplier repeatedly fails in the inspection and/or the supplier is not in a position to either rectify the defects or offer items conforming to the contracted quality standards.
 - (v) When both parties mutually agree to terminate the contract.
 - (vi) Any special circumstances, which must be recorded to justify the termination of a contract.
 - (vii) In pursuance of an award given by a Court of Law.
- 26.2** In the event BRBNMPL terminates the contract in whole or in part, pursuant to GCC sub-clause 26.1 above, BRBNMPL may take recourse to any one or more of the following actions:
- (i) Invoke the performance security;
 - (ii) Invoke the risk purchase clause - BRBNMPL may procure goods and/ or services similar to those undelivered, with such terms and conditions and in such manner as it deems fit at the "Risk and Cost" of the supplier and the supplier shall be liable to BRBNMPL for the extra expenditure, if any, incurred by BRBNMPL for arranging such procurement;
 - (iii) Any other action as deemed appropriate.
- 26.3** Unless otherwise instructed by BRBNMPL, the supplier shall continue to perform the contract to the extent not terminated.
- 26.4** All warranty obligations, if any, shall continue to survive despite the termination.
- 26.5 Limitation of Liability:** Except in cases of criminal negligence or wilful misconduct, the aggregate liability of the contractor to the Procuring Entity, whether under the contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the contractor to indemnify the Procuring Entity concerning IPR infringement.
- 27. Breach of Contract - Termination for insolvency**
- 27.1** In the event the supplier becomes bankrupt or otherwise insolvent or loses substantially the technical or financial capability (based on which he was selected for award of contract) or liquidation proceedings are commenced against it by a third party or by own volition, BRBNMPL reserves the right to terminate the contract, at any time, by serving written notice to the supplier, without any adverse consequence to BRBNMPL and without being liable to pay any compensation, whatsoever, to the supplier, subject to further condition that such termination will not prejudice or affect any rights of action or remedies which have accrued or will accrue prior to termination or thereafter to BRBNMPL.
- 27.2** Upon such termination, BRBNMPL shall be deemed to be the owner of the stores/materials manufactured by the supplier and retain first right and lien over the stores/materials including the raw material purchased by the supplier for performance of the contract and require the stores/materials to be delivered under the contract, which is terminated on account of bankruptcy or insolvency or likely bankruptcy or insolvency of the supplier and such stores in possession of the supplier shall be earmarked and be delivered to BRBNMPL before the start of the bankruptcy or insolvency process.
- 27.3** In the event the supplier is aware or apprehends that it is likely to go into liquidation whether on account of liquidation proceedings commenced by a third party or by way of voluntary liquidation, then the supplier shall forthwith inform BRBNMPL as soon as it is aware that a third party has issued notice that it intends to commence liquidation proceedings or well before it files for liquidation.
- 27.4 Escrow Arrangement**
- (i) The Supplier shall deposit with a third party escrow agent mutually agreed to by the parties, a copy of Software and its source code and object code for safe keeping with instructions for it to be released forthwith to BRBNMPL, in the event the Supplier fails to make the source code/object code accessible to BRBNMPL whenever required and/or in the event the Supplier is likely to go into liquidation or goes into liquidation.
 - (ii) In the event, the Supplier apprehends that it is likely to go into liquidation whether on account of liquidation proceedings commenced by a third party or in the event it anticipates filing for bankruptcy, then the Supplier shall inform BRBNMPL in advance and engage with it to determine the sale and possession of BRBNMPL's software and its source code. In the event Supplier fails to do so, the third party escrow agent shall be instructed under the Escrow Agreement to release the Software and its source code to BRBNMPL as noted above.
 - (iii) For the purpose of this Clause, the term 'Software' shall collectively mean, the full and final version of the Software to be delivered to BRBNMPL in source code and object code forms, together with any and all improvements, corrections, modifications, updates, enhancements or other changes, whether or not

- included in the full and final version including all System Documentation and User Documentation.
- (iv) The term 'System Documentation' shall mean any and all documentation used in the development and updating of the Software, including but not limited to, customer requirements and specifications design or development specifications, test and error reports, and related correspondence and memoranda. And the term 'User Documentation' shall mean the end-user instruction manual that usually accompanies the Software instructing end users in the use of the Software in both printed and electronic form.
- 28. Force Majeure**
- 28.1** In the event of any unforeseen event directly interfering with the supply of stores arising during the currency of the contract, such as war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts, or acts of God, the Contractor shall, within a week from the commencement thereof, notify the same in writing to the Purchaser with reasonable evidence thereof. Unless otherwise directed by BRBNMPL in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. If the force majeure condition(s) mentioned above be in force for a period of 90 days or more at any time, either party shall have the option to terminate the contract on expiry of 90 days of commencement of such force majeure by giving 14 days' notice to the other party in writing. In case of such termination, no damages shall be claimed by either party against the other, save and except those which had occurred under any other clause of this contract prior to such termination.
- 28.2** Notwithstanding the provisions contained in GCC clauses 23, 24 and 26, the supplier shall not be liable for imposition of any such sanction so long the delay and / or failure of the supplier in fulfilling its obligations under the contract is the result of an event of Force Majeure.
- 28.3** In case due to a Force Majeure event BRBNMPL is unable to fulfil its contractual commitment and responsibility, BRBNMPL will notify the supplier accordingly and subsequent actions taken on similar lines described in above sub-paragraphs.
- 29. Termination for convenience**
- 29.1** BRBNMPL reserves the right to terminate the contract, in whole or in part for its (BRBNMPL's) convenience, by serving written notice on the supplier at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of BRBNMPL. The notice shall also indicate inter-alia, the extent to which the supplier's performance under the contract is terminated, and the date with effect from which such termination will become effective.
- 29.2** The goods and services which are complete and ready in terms of the contract for delivery and performance within thirty days after the supplier's receipt of the notice of termination shall be accepted by BRBNMPL following the contract terms, conditions and prices. For the remaining goods and services, BRBNMPL may decide:
- a) to get any portion of the balance completed and delivered at the contract terms, conditions and prices; and / or
- b) to cancel the remaining portion of the goods and/or services and compensate the supplier by paying an agreed amount for the cost incurred by the supplier towards the remaining portion of the goods and/or services.
- 30. Fall Clause**
- This clause shall be applicable only if explicitly invoked in SCC. Nevertheless, Fall Clause shall be expressly applicable in case of Rate Contract.*
- 30.1** The price charged for the Goods supplied under the contract by the contractor shall in no event exceed the lowest price at which the contractor sells the Goods or offers to sell Goods of identical description, to any persons/organisations including the Procuring Entity or any Department or Undertaking of the Central Government, as the case may be during the currency of the contract. Contractor shall forthwith notify such reduction or sale or offer of sale to the Procuring Entity and the price payable under the contract for the Goods supplied after the date of coming into force of such reduction or sale or offer of sale shall stand correspondingly reduced.
- 30.2** The above stipulation shall, however, not apply to:
- (i) Exports by the contractor
- (ii) Sale of Goods as original equipment at prices lower than the prices charged for normal replacement
- (iii) Sale of perishable Goods having a limited shelf life, such as drugs that have expiry dates
- 30.3** The contractor shall furnish the following certificate with each bill for payment of supplies made against the contract.
- "We certify that there has been no reduction in the sale price of the Goods of description identical to the Goods supplied to BRBNMPL under the contract herein, and such Goods have not been offered/sold by me/us to any person/organisation including any Ministry/ Department/Attached and Subordinate Office/Public Sector Undertaking of Central or State Government(s) as the case may be upto the date of bill / the date of completion of Contract at a price lower than the price charged under this contract except for the quantity of Goods categories under (i), (ii) and (iii) of sub-clause (30.2) above, details of which are as follows:-"*
- 31. Notices**
- 31.1** Notice, if any, relating to the contract given by one party to the other, shall be sent in writing or by cable or telex or facsimile and confirmed in writing, the procedure will also provide the sender of the notice, the proof of receipt of the notice by the receiver. The addresses of the parties for exchanging such notices will be the addresses as incorporated in the contract.
- 31.2** The effective date of a notice shall be either the date when delivered to the recipient or the effective date specifically mentioned in the notice, whichever is later.
- 32. Code of Ethics, Obligations, Penalties and Punishments**
- 32.1** **Code of Ethics:** Officers and staff of BRBNMPL as well as Bidders, Suppliers, Contractors, and Consultants under BRBNMPL contracts shall observe the highest standard of ethics and should not indulge in following prohibited practices, either directly or indirectly, at any stage during the procurement process or during execution of resultant contracts:
- (i) **"Corrupt practice"** making offer, solicitation or acceptance of bribe, reward or gift or any material benefit, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process;
- (ii) **"Fraudulent practice"** any omission, or misrepresentation that may mislead or attempt to mislead so that financial or other benefit may be obtained, or an obligation avoided. This includes making false declaration or providing false information for participation in a tender process or to secure a contract or in execution of the contract;
- (iii) **"Anti-competitive practice"** - any collusion, bid rigging or anti-competitive arrangement, or any other practice coming under the purview of The Competition Act, 2002, between two or more bidders, with or

- without the knowledge of the procuring entity, that may impair the transparency, fairness, and the progress of the procurement process or to establish bid prices at artificial, non-competitive levels;
- (iv) **“Coercive practice”** harming or threatening to harm, persons, or their property to influence their participation in the procurement process or affect the execution of a contract;
- (v) **“Conflict of interest”** – participation by a bidding firm or any of its affiliates who are either involved in the Consultancy Contract from which particular procurement is linked; or if they are part of more than one bid in the procurement; or if their personnel have relationship or financial or business transactions with any officer in Procuring entity, who are directly or indirectly related to tender or execution process of contract; or improper use of information obtained by the (prospective) bidder from the procuring entity with an intent to gain unfair advantage in the procurement process or for personal gain; and
- (vi) **“Obstructive practice”** - materially impede procuring entity’s investigation into allegations of one or more of the above mentioned prohibited practices either by deliberately destroying, falsifying, altering; or by concealing of evidence material to the investigation; or by making false statements to investigators and/or by threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or by impeding the procuring entity’s rights of audit or access to information;
- 32.2 Obligations for proactive disclosures:**
- (i) Procuring authorities as well as bidders, suppliers, contractors, and consultants, are obliged under this Code of Ethics to suo-moto proactively declare any conflict of interest (coming under the definition mentioned above – pre-existing or as and when these arise at any stage) in any procurement process or execution of contract. Failure to do so would amount to violation of this code of ethics.
- (ii) Any bidder must declare, whether asked or not in a bid document, any previous transgressions of such code of ethics with any entity in any country during the last three years or of being debarred by any other procuring entity. Failure to do so would amount to violation of this code of ethics.
- 32.3 Penalties and Punishments**
- A particular violation of ethics may span more than one of above-mentioned unethical practices. Without prejudice to and in addition to the rights of the procuring entity to other penal provision as per the bid-documents or Contract, If the Procuring Entity comes to a conclusion that a (prospective) bidder or contractor directly or through an agent has violated this Code of Ethics in competing for the contract or in executing a contract, the Procuring Entity may take appropriate measures including:
- 32.3.1 if his bids are under consideration in any procurement**
- (i) Rejection and exclusion of the bidder from the procurement process;
- (ii) Calling off of any pre-contract negotiations and forfeiture or encashment of bid security;
- (iii) Forfeiture or encashment of any other security or bond relating to the procurement;
- (iv) Cancellation of the relevant contract and recovery of compensation for loss incurred by the procuring entity;
- (v) Recovery of payments made by the procuring entity along with interest thereon at prevailing rate;
- (vi) Holiday Listing, Removal from the list of approved vendors and banning/debarment of the bidder from participation in future procurements of the procuring entity for a period not less than one year;
- (vii) In case of Anti-competitive practices, information for further processing may be filed with the Competition Commission of India.
- (viii) Initiation of suitable disciplinary or criminal proceedings against any individual staff found responsible.
- 33. Resolution of disputes**
- In case of any dispute or difference or question arising out of or in connection with or in relation to the contract or related documents, including, without limitation, their existence, interpretation, performance, or termination (whether during the course of supply or after its completion and whether before or after the determination, abandonment or breach of contract), the Parties (the PURCHASER and the SELLER) shall endeavor to settle such disputes or differences amicably in the following manner:
- 33.1 Adjudication**
- After exhausting efforts to resolve the Dispute with the Purchasing Officer executing the contract on behalf of the Procuring Entity, the contractor shall give a ‘Notice of Adjudication’ specifying the matters which are in question, or subject of the dispute or difference indicating the relevant contractual clause, as also the amount of claim item-wise to Head of Procurement or any other authority mentioned in the contract (hereinafter called the “Adjudicator”) for invoking resolution of the dispute through Adjudication. During his adjudication, the Adjudicator shall give adequate opportunity to the contractor to present his case. Within **60** days after receiving the representation, the Adjudicator shall make and notify decisions in writing on all matters referred to him. The parties shall not initiate, during the adjudication proceedings, any conciliation or arbitral or judicial proceedings in respect of a dispute that is the subject matter of the adjudication proceedings. If not satisfied by the decision in adjudication, or if the adjudicator fails to notify his decision within the abovementioned time-frame, the contractor may proceed to invoke the process of Conciliation.
- 33.2 Conciliation through Expert Settlement Committee (ESC)**
- If the Parties fail to resolve their dispute or difference by Adjudication then either Party can send a notice invoking Conciliation through an Expert Settlement Committee (ESC) to the other Party within **15** days from the date of failure to resolve the dispute. The date of the last meeting held in the process of Adjudication shall be taken as date of failure to resolve the dispute through mutual consultation. The other Party shall have to respond within **15** days from the date of receipt of notice invoking Conciliation.
- 33.3 Arbitration**
- (i) If the Parties fail to reach an amicable settlement through the processes of Mutual Consultation and Conciliation through ESC, then either Party (the PURCHASER or the SELLER) may within thirty (30) days of such failure give a written notice to the other Party requiring that all matters in dispute or difference or in question be arbitrated upon in accordance with The Arbitration and Conciliation Act 1996.
- (ii) Only the matters specified in such written notice which are in question or subject of dispute or difference, as also the amount of claim / counter-claims, shall be referred to the arbitration and no other matter which has not been specified shall be referred to the arbitration.
- (iii) The claims and counter claims raised by the Parties at the time of invocation of the arbitration shall be final and binding on the Parties and no change shall be allowed in the same at any stage during arbitration under any circumstances. Withdrawal of

- claims/counter claims may however be done by the Parties at any stage.
- (iv) The matters in dispute or difference or in question may be referred by either Party to a sole Arbitrator if the total value of the claim/counter-claim is up to ₹50 lakh and to a panel of three Arbitrators if the total value of claim/counter-claim is more than ₹50 lakh. For this purpose, BRBNMPL shall maintain a panel of qualified and experienced persons who will function as Arbitrators.
- (v) **Appointment of Sole Arbitrator:** MD, BRBNMPL shall appoint the Sole Arbitrator from its panel of Arbitrators with the written consent of the other Party. The complexities of the dispute, the qualification and the experience of the person shall be kept in view while making such appointment. The award of the sole Arbitrator shall be final and binding on all parties.
- (vi) **Appointment of three Arbitrators:** MD, BRBNMPL shall appoint an Arbitrator from its panel of Arbitrators. The complexities of the dispute, the qualification and the experience of the person shall be kept in view while making such appointment. Likewise, the other Party shall appoint its Arbitrator. The two Arbitrators so appointed shall appoint the third Arbitrator, who will be the Presiding Arbitrator. The decision of the majority of the Arbitrators shall be the Award of the Arbitral Tribunal and shall be final and binding on all parties.
- (vii) The Arbitrator or Arbitrators appointed under this clause shall have the power to extend the time to make the award with the consent of the Parties as per the Arbitration and Conciliation Act, 1996 as amended till date. The fees of Arbitrator(s) and all other incidental cost incurred during the arbitration proceedings shall be borne equally by the parties.
- (viii) The arbitration proceeding shall be held in Bengaluru or any other place in India as decided by the PURCHASER and shall be conducted in English language. All documentation to be reviewed by the Arbitrators and / or submitted by the Parties shall be written or translated into English.
- (ix) The Arbitration Proceedings shall be governed by The Arbitration and Conciliation Act 1996, as amended from time to time including provisions in force at the time the reference is made.
- (x) Pending reference to arbitration, the Parties shall continue to perform their contractual obligations under the Agreement and disputes or differences or questions, if any, will finally be settled in the arbitration.
- 34. Jurisdiction**
Notwithstanding any other Court or Courts having jurisdiction to decide the question(s) forming the subject matter of the reference, if the same had been the subject matter of a suit, any and all actions and proceedings arising out of or relating to the contract or any Award arising therefrom, shall lie only in the Court of competent civil jurisdiction in this behalf at Bengaluru/Kolkata and only the said Court(s) at Bengaluru/Kolkata shall have jurisdiction to entertain and take any such actions and/or proceedings to the exclusion of all other Courts.
- 35. Governing Law**
The Contract shall be governed in all respects by the laws of the Republic of India for the time being in force without application of the doctrine of Renvoi.
- 35. Secrecy**
35.1 If the Contract declares the subject matter of this Contract as coming under the Official Secrets Act, 1923 or if the contract is marked as "Secret", the Contractor shall take all reasonable steps necessary to ensure that all persons employed in any work in connection with the contract, have full knowledge of the Official Secrets Act and any regulations framed thereunder.
- 35.2.** Any information obtained in the course of the execution of the contract by the Contractor, his servants or agents or any person so employed, as to any matter whatsoever, which would or might be directly or indirectly, of use to any enemy of India, must be treated secret and shall not at any time be communicated to any person.
- 35.3.** Any breach of the aforesaid conditions shall entitle the Purchaser to cancel the contract and to purchase or authorise the purchase of the stores at the risk and cost of the Contractor, In the event of such cancellation, the stores or parts manufactured in the execution of the contract shall be taken by the Purchaser at such price as he considers fair and reasonable and the decision of the Purchaser as to such price shall be final and binding on the Contractor.
- Part II: Additional General Conditions of Contract for specific Types of Tenders in addition / modification to clauses mentioned above:**
- 36. Disposal / Sale of Scrap by Tender**
- 36.1** During the currency of contract, no variation in price or rate shall be admissible.
- 36.2 Payment and Default**
- 36.2.1** Payment may be made in the form of Account Payee Demand Draft drawn on any scheduled commercial bank in India in favour of Bharatiya Reserve Bank Note Mudran Private Limited or through Online Transfer or through other Electronic Mode of Payment as mentioned in the NIT.
- 36.2.2** No interest will be paid to the purchaser for the amounts paid or deposited with the BRBNMPL and subsequently found refundable to the purchaser under any of the conditions of the contract.
- 36.2.3** If the purchaser fails to deposit sale value for a sold lot within the allowed period as per relevant clause BRBNMPL may forfeit the security deposit. Requests for an extension of this period, made by the purchaser may be considered by the BRBNMPL and may at its discretion, on the merits of the case, allow further time not excluding 50 days from the date of the contract. Interest shall be leviable on such amount at a rate 2% per annum higher than the PLR of State Bank of India, from the date of expiry of the payment date to actual date of payment (actual date of payment inclusive).
- 36.2.4** The lot or lots in respect of which forfeiture has been made, shall be deemed to have been abandoned by the purchaser to all intents and purposes and may be re-sold or otherwise disposed of at the discretion of the BRBNMPL without reference to the purchaser concerned and without incurring any liability on part of BRBNMPL whatsoever in respect there under.
- 36.2.5** In case extension is granted by BRBNMPL and due to late payment of sale amount the delivery cannot be completed by the purchaser, in accordance with the relevant clause of Special Conditions of Tender sale, then ground rent shall also be leviable as per relevant clause of Special Conditions of Tender sale.
- 36.2.6** On production of proof of having made payment, nominated authority shall issue a delivery order authorizing the purchaser to take delivery of the Scrap Materials.
- 36.3 Deliveries, Delays and Breach of Contact**
- 36.3.1** The Title of goods or material sold shall not be deemed to have been passed to the Purchaser / Bidder until and unless the full and final payment has been made by the purchaser, in accordance with the contract to the BRBNMPL and the authorized Officer has issued the Delivery Order in favour of the purchaser.
The materials sold may be removed from the premises only on production of the cash receipt for the payment and a delivery order from the Officer authorized by the BRBNMPL.

- 36.3.2** Unless specified otherwise in SIT, delivery period for lifting of material shall be within 60 days from the date of finalization of contract agreement.
- 36.3.3** The work of delivery will be supervised by Stock Holder or his authorized representative, representative of accounts Department and Security Staff duly authorized by BRBNMPL for the propose of delivery. Delivery will be allowed during working hours.
- 36.3.4** No delivery of materials sold shall be given on Sundays, Gazetted holidays and other shall holidays observed by BRBNMPL. The delivery of the goods or material shall be effected from the premises concerned only during its normal working hours. In order to complete the delivery within the working hours all loading must cease half an hour before the normal closing time of the concerned premises. The decision of the BRBNMPL with regard to the working hour shall be final and binding on the purchaser. Purchaser will not be allowed to lift the Scrap Material from more than one location at a time.
- 36.3.5** The purchased stores will be carried away by the purchaser at his risk and no claims against the BRBNMPL will be entertained for shortage in weight which may be discovered after the materials have left the premises wherefrom delivery is taken. If required the purchaser shall provide his own bags, cases or other receptacles for the removal of the scrap.
- 36.3.6** The BRBNMPL shall not be responsible for any accident that may occur to purchaser's labours/servants for any reasons whatsoever. The purchaser will himself have to ensure the safety of his workers and shall be liable to pay claims, whatsoever if any. BRBNMPL will not carry any responsibility of such payments. The purchaser will be responsible to supply personal protection equipment to his labour/servant and staff and no additional charges are admissible for the same.
- 36.3.7** The materials sold, shall be removed by the purchaser within the period specified in relevant clause of Special Condition of Sale.
- 36.3.8** If due to any default on the part of the BRBNMPL, the purchaser is unable to remove the materials sold within the specified period, the BRBNMPL may extend the period therefore and in such an event purchaser will be entitled to take delivery of the goods or the materials sold within such extended Delivery period.
- 36.3.9** If contractor fails to lift sold scrap within the specified period, penalty shall be levied at the rate of 0.5% per day of the value of un-removed Scrap. Moreover, the material shall remain at the purchaser's risk until removal thereof. Further BRBNMPL will be entitled to charge the ground rent as stated in relevant Para of SCC, for the area in which the materials sold are kept or stored - which would be recovered by the BRBNMPL from the Purchaser before removal of the material and in the event of default in payment thereof, the BRBNMPL at may its discretion shall be entitled to order the re-sale of such materials and forfeit the Security deposit or sale amount or both, paid by the purchaser.
- 36.3.10** If the purchaser makes slow progress with his contract and the BRBNMPL is of opinion that he may fail to fulfil the contract within the time specified in the conditions of sale, it will be lawful for the BRBNMPL to cancel the whole contract or such portion thereof as may not have been completed and the BRBNMPL shall be at liberty to dispose of the goods in any manner at the risk and expense of the purchaser.
- 36.3.11** The purchaser will have to comply with the provisions of the Contract Labour (Regulations and Abolition Act 1970 and Central Rules 1971 and obtain license from the Assistant Labour Commissioner or the competent authorities empowered to issue such license. Any failure on the part of the purchaser in this regard will

be at his risk and consequences. He shall comply with Workman's Compensation Act 1923, Payment of Wages Act 1936, and Minimum Wages Act, 1948 and all the other related statutory and legal provisions and obligations, the purchaser shall also indemnify the BRBNMPL against any claim / liabilities that may occur to the contractor's labours and servants due to any reasons whatsoever.

- 36.3.12** If the purchaser makes default in complying with any of the condition of the contract, the sale of lot or lots in respect of which such default is made may be cancelled and such lot or lots may be put up again for sale and in such an event if a lower price is offered and accepted for such lot or lots then the purchaser shall be liable to pay the difference in price thereof together with all expenses occasioned by such resale in default to the BRBNMPL provided further that the purchaser in default shall not be entitled to claim any profit which may arise from such resale.

Section V: Special Conditions of Contract (SCC)

The following Special Conditions of Contract (SCC) will apply for this purchase. The corresponding clauses of General Conditions of Contract (GCC) relating to the SCC stipulations have also been incorporated below. These Special Conditions will modify / substitute / supplement the corresponding (GCC) clauses.

Whenever there is any conflict between the provision in the GCC and that in the SCC, the provision contained in the SCC shall prevail.

(Clauses of GCC listed below include a possibility for variation in their provisions through SCC. There could be other clauses in SCC as deemed fit)

Sl. No.	GCC Clause No.	Topic	SCC Provision
1	5	Country of Origin	Indian Origin Only Minimum Local Content: Equal to or more than 50% for Class-I Local Supplier and more than 20% but less than 50% for Class-II Local Supplier As per GoI guidelines regarding restrictions on public procurement from countries sharing land border with India, a bidder is permitted to procure raw material, components, subassemblies etc. from the vendors from countries which share a land border with India. Such vendors will not be required to be registered with the Competent Authority as it is not regarded as "sub-contracting". However, Bidders have to fulfil the Minimum Local Content criteria as mentioned above.
2	6.1, 6.3, 6.5	Performance Bond / Security	No Relaxation for bidder of any Stature Within 21 days after issue of Notification of Award/Letter of Intent by BRBNMPL, Salboni, Performance Security is to be submitted for an amount equal to Ten percent (10%) of the total value of contract including 3 years NCAMC (as per as per latest amendment to Rule 171(i) of GFR). Further, in case there is any amendment to the contract, GCC clause 6.4 shall be applicable. In case Security Deposit / Performance Bond is to be submitted in the form of Bank Guarantee, the same should be in the name of "Bharatiya Reserve Bank Note Mudran Private Limited" and should be valid up to Sixty days after successful completion of all contractual obligations including Warranty and Defect Liability Period for two years and 3 years Non Comprehensive AMC. Format of Bank Guarantee (BG) shall be as per Section-XV (Bank Guarantee Form for Performance Security). In case of failure of the

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Sl. No.	GCC Clause No.	Topic	SCC Provision
			contractor to execute the contract within the contract period, the security deposit shall be forfeited and the decision of BRBNMPL in this shall be final and binding. Performance Security shall be released without any interest after successful completion of all contractual obligations including Defects Liability Period (DLP) obligations after NCAMC (03 years) plus 60 days claim period and on submission of "No Demand" Certificate.
3	9	Inspection and Quality Control	Received goods shall be inspected as per tender specifications. If delivered goods is rejected for any reasons, Contractor has to replace the same within 15 days at his own cost and risk at our site from the date of issue of our intimation of rejection.
4	16.2	Warranty Clause	a) For supply part: Minimum 02 (Two) Years of Warranty for complete DFOPIDS system from the date of successful completion and acceptance of the work by BRBNMPL by respective presses. Subsequently, 03 Years (Three-year) NCAMC post warranty on call basis includes quarterly visits and unlimited breakdown visits. Support for OEM-provided software and AI model updates during warranty and NCAMC period. b) For work part: Minimum 02 (Two) Years of Defect Liability Period from the date of successful completion and acceptance of the work by BRBNMPL. DLP covers any defect or fault that arises as a result of Contractor's design, materials, workmanship etc.
5	18	Sub-contracting	Not applicable
6	19.3, 19.4	Modification of Contract	19.3 Option Clause - Applicable BRBNMPL reserves the right to place an additional Order at same rate, terms & conditions for maximum 25% of the Contract Value till final time schedule of the Contract. Further, it may be noted that the quantity against each line item of BOQ shall not be increased by more than 25% (Refer clause No. 19.3 of GCC, Section IV).
7	20.2	Price Variation Clause	Not applicable

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Sl. No.	GCC Clause No.	Topic	SCC Provision
8	21.10	Statutory Variation Clause	Applicable Bidder has to furnish the price-break-up including the tax components. Any revision (increase/ decrease) in Statutory rates after opening of the tender shall be paid at actuals on submission of documentary evidence. Any increase in statutory duties beyond scheduled time is not attributable to BRBNMPL and the same shall have to be borne by the Contractor. If the tenderer fails to include taxes and duties in the tender, purchaser will consider no claim thereafter.
9	22, 22.1, 22.2, 22.3, 22.4, 22.6	Terms and Mode of Payments	Payment Terms: No advance payment shall be made. 70% of the value of Material Supply part will be released on receipt and acceptance of material at site and on production of all required documents by the supplier. 70% payment will be released only after delivery of all items as per BOQ. - Balance 30% of the Material Supply part and 100% of Installation and commissioning charges will be released on successful installation, commissioning, training and final acceptance by the user department and after issue of FAC. - The payment shall be made as per actual quantity of supply and work carried out. - Statutory deductions as applicable shall be affected while making payment. - The material will be received only with original Delivery Challan and Bill/Invoice. However, in exceptional cases, where the material is delivered with copies of Delivery Challan and Bill/Invoice, the payment shall be released only on receipt of following documents: - Original Invoice (sealed & signed) - Delivery challan - Manufacturer's Test certificate, if applicable - NEFT mandate as per Annexure-D, if not submitted earlier - Payment shall be released through RTGS/NEFT only.

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Sl. No.	GCC Clause No.	Topic	SCC Provision
			viii. Any revision (increase/decrease) in Statutory rates after opening of the tender will be paid at actuals on producing documentary evidence. Any increase in statutory duties beyond scheduled delivery is not attributable to BRBNMPL and the same will have to be borne by the supplier. ix. Bank charges on DD, Online Bank Transfer through RTGS/NEFT or Other Electronic Modes of Payment to be borne by the bidder/ Contractor only. x. No payment shall be released against the extra materials brought to the site. xi. Bidder has to furnish the price-break-up including the tax components. xii. Payment will be made within 30 days from the date of acceptance.
10	24	Liquidated Damages	<u>Quantum of Liquidated Damages (LD)</u> i. If the contractor fails to maintain the required progress in term of time schedule to complete the work and clear the site on or before the scheduled date or extended date of completion, he shall without prejudice to any other right or remedy of the BRBNMPL, Salboni on account of such breach, pay as liquidated damages, not as penalty, an amount equivalent to the value calculated at the rate of half percent (0.5%) of undelivered works for every week or part thereof for delay in execution of completion of work. ii. The total amount of liquidated damages for delay in completion under the contract will be subject to a maximum of 10% (Ten percent) of the total contract value. iii. The amount of liquidated damages may be adjusted against any sum payable to the contractor or from any money(s) of contractor available with BRBNMPL, Salboni. iv. For calculation of LD, date of issue of Notification of Award of Contract (Letter of Intent) shall be the reference date. v. The quantum of liquidated damages, if the work remains incomplete on the last day of the Contract or extended date shall be ascertained by measurement of the finished works, jointly by

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Sl. No.	GCC Clause No.	Topic	SCC Provision
			BRRNMPL/Engineer-in-Charge and Contractor. vi. The undelivered works shall be expressed as percentage of value of Bill of Quantities/Contract. vii. The decision of BRBNMPL/Engineer-in-Charge in this regard shall be final and binding on the Contractor.
11	25.1	Bank Guarantee and Insurance for Material loaned to Contractor	Not applicable
12	27.4	Escrow Arrangement	Not applicable
13	30	Fall Clause	Not applicable
14	33, 33.1, 33.2, 33.3	Resolution of Disputes	Clauses of 33.1, 33.2 and 33.3 are applicable All disputes / differences shall be subject to and referred to the court of competent jurisdiction situated within the limits of Kolkata.
15	36	Disposal / Sale of Scrap by Tender	Not applicable

DECLARATION

We confirm that we shall comply with, abide by, and accept without variation, deviation, or reservation, all terms and conditions detailed in Section V: Special Conditions of Contract (SCC) and we have no counter-conditions.

Signature of Authorized Signatory with Date and Seal

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Tender Title		DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU				
Tender No.		004/SAL/PUR/2026-27			Date:	22/06/2026
Schedule No.	Minimum Local Content (%)	Brief description of Works	#Quantity with UoM	Amount of Earnest Money (₹)	Required Time Schedule	Destination State for GST purpose
I	Class-I 50%	DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU <i>(For detailed Scope of work please refer Section-VII)</i>	As per BOQ at Section XI: Price Schedule	Schedule 1: ₹ 5.00 lakh for Salboni	Within 180 days (including weekly off and holidays). Entire material should be supplied within 90 days from the date of LOI/NoA	West Bengal (for Salboni Press)
II	Class-II 20%			Schedule 2: ₹ 5.00 lakh for Mysuru Both Schedules 1 & 2: ₹ 5.00 lakh Bidder may quote for only one schedule or both the schedules.		Karnataka (for Mysuru Press)

Note: Bidders may quote for any one or both the Schedules. EMD may be submitted accordingly. EMD is NIL for exempted bidders; However, exempted bidders are required to submit Bid Securing Declaration in lieu of EMD as per Annexure-7

The Tender shall be finalised **Schedule-wise** on the basis of **Lowest L1 bidder** from eligible and qualified bidders considering all charges including GST and all applicable charges upto BRBNMPL, Salboni/Mysuru.

The schedule of items & quantities to be executed is indicative only. Any / all item(s) may/ may not be operated & actual quantity may vary from BOQ at Section XI: Price Schedule. Contractor shall not have any claim for the same.

***The above Time Schedule includes the Lead time for Commencement of Work.**

Company's Background: Bharatiya Reserve Bank Note Mudran Private Limited (BRBNMPL), an ISO 9001-2015, ISO 14001-2015 and 45001-2018 Company, is a wholly owned subsidiary of Reserve Bank of India and is currently engaged in the business of printing bank notes for the Reserve Bank of India. The Corporate Office of the Company is at Bangalore and its printing units are at Mysore (Karnataka) and Salboni (West Bengal).

The materials are to be supplied at the following addresses:

(Schedule 1 – BRBNMPL Salboni Press)

The Sr. General Manager
Bharatiya Reserve Bank Note Mudran Pvt Ltd
PO - RBNML, Salboni - 721 132
Dist. – Midnapore (West), West Bengal

(Schedule 2 – BRBNMPL Mysuru Press)

The Sr. General Manager
Bharatiya Reserve Bank Note Mudran Pvt Ltd
Mysuru, Dist. - Mysuru
Pin- 570 003, Karnataka

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Note to Bidders: Fill up this Form regarding Section VI: List of Requirements maintaining the same numbering and structure. Add additional details not covered elsewhere in your bid in this regard.

Tender Title	DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU		
Tender No.	004/SAL/PUR/2026-27	Date:	22/06/2026

SCHEDULE: 1 (BRBNMPL SALBONI PRESS)

Schedule No.	SAC Code	GST* %	Local Content (%)	Brief description of Works	#Quantity with UoM	Offered Time Schedule	Destination State for GST purpose	Bidder's GSTIN
1				DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI <i>(For detailed Scope of work please refer Section-VII)</i>	As per BOQ at Section XI: Price Schedule			

* Mention total % and breakup into CGST, SGST, IGST, Cess etc.

SCHEDULE: 2 (BRBNMPL MYSURU PRESS)

Schedule No.	SAC Code	GST* %	Local Content (%)	Brief description of Works	#Quantity with UoM	Offered Time Schedule	Destination State for GST purpose	Bidder's GSTIN
2				DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, MYSURU <i>(For detailed Scope of work please refer Section-VII)</i>	As per BOQ at Section XI: Price Schedule			

* Mention total % and breakup into CGST, SGST, IGST, Cess etc.

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Bidders may note the following parameters and satisfy themselves that they fulfil all the criteria before bidding: -

Sl. No.	Parameter	Accepted by Bidder	Remarks
1	Quantity with UoM	Noted & Accepted	
	#The schedule of items & quantities to be executed is indicative only. Any / all item(s) may/ may not be operated & actual quantity may vary from BOQ at Section XI: Price Schedule. Contractor shall not have any claim for the same.		
2	The materials are to be supplied to the following address:		Noted & Accepted
	(Schedule 1 – BRBNMPL SALBONI)	(Schedule 2 – BRBNMPL MYSURU)	
	The Sr. General Manager Bharatiya Reserve Bank Note Mudran Pvt Ltd PO - RBNML, Salboni - 721 132 Dist. – Midnapore (West), WB	The Sr. General Manager Bharatiya Reserve Bank Note Mudran Pvt Ltd Mysuru, Dist. - Mysuru Pin- 570 003, Karnataka	

We have noted the above parameters and are satisfied that we fulfil all the criteria for bidding in the tender. We shall comply with, abide by, and accept without variation, deviation, or reservation all requirements detailed in Section VI: List of Requirements.

Signature of Authorized Signatory with Date and Seal

Section VII: Technical Specification & Scope of Work

Technical Specification for AI-Based Distributed Fibre Optic Perimeter Intrusion Detection System (DFOPIDS)

Introduction:

Bharatiya Reserve Bank Note Mudran (P) Limited (BRBNMPL) is a wholly owned Subsidiary of Reserve Bank of India, engaged in Sovereign function of Designing, manufacturing and supplying of Bank currencies, security products and services. It has its Corporate Office at Bengaluru and two printing presses at Mysuru, Karnataka and Salboni, West Bengal. BRBNMPL intends to install AI-Based Distributed Acoustic Sensing (DAS) technology based Fibre Optic Perimeter Intrusion Detection System (DFOPIDS) across perimeter boundary wall to ensure pin-point detection of unauthorized entry attempts through boundary wall viz. climbing using ladder, breaking the wall, cutting existing concertina coil/fibre cable, digging underneath the wall, machine drilling/excavation etc. The proposal is for both the presses at Mysuru and Salboni. It is proposed to have two line of defence by installing Fibre Optic sensing cable over the wall through existing concertina coil and other cable buried under the bitumen road/concrete surface/soft soil adjacent to outer boundary wall. The buried cable should be laid at suitable depth to ensure alarm generation due to human/animal movement/crawling, vehicle movement, machine drilling/excavation etc. The system shall have the provision to integrate existing cameras and Video management system (VMS) to ensure enhanced and effective monitoring. The approximate length of perimeter wall at Mysuru press is 7.5 Kms including the distance up to CCTV control room where controllers will be kept. out of 7.5 Kms, approx. 1 km is soft soil and remaining distance has bitumen/concrete surface. The approximate length of perimeter wall at Salboni press is 8 Kms and approximate distance from boundary wall to CCTV room is 2 kms.

Pre-Bid Conference - Site Visit Requirements:

Objective of Site Visit: All prospective bidders shall mandatorily visit the project site to comprehensively assess the site location, feasibility, distance, terrain, integration with existing Surveillance system and any other miscellaneous activities. Examine access routes for material transportation and equipment handling logistics and identify site-specific challenges that may impact project execution.

Bidder's Responsibilities: The site visit shall be conducted at the bidder's own cost and risk with no reimbursement under any circumstances. Bidders shall obtain all necessary information required for accurate bid preparation and cost estimation. Complete understanding of scope of work, material requirements, and skilled workforce needs shall be achieved through site inspection.

The following documents/technicalities to be submitted and discussed by the vendor during Pre-bid conference:

- 1) Schematic Diagram
- 2) Data Collection of the site and synchronization
- 3) Server and Storage details
- 4) GUI Configuration
- 5) Algorithms (Events, logs, zones, cameras etc)
- 6) Distance measurement
- 7) Any other technicalities related to the project
- 8) VMS integration and VMS Management (90 days backup)
- 9) Dry contact configuration for the zones against alarm.

All doubts, clarifications, and queries shall be raised and resolved during the Pre-bid conference. No claims of ignorance regarding site conditions, access constraints, system integration requirements, or any aspect of the work shall be entertained after bid submission.

1. Scope of Work:

- a) The scope of this tender includes the Design, Engineering, Supply, Installation, Testing, Commissioning and Training of an AI-enabled 'Distributed Fibre Optic Perimeter Intrusion Detection System (DFOPIDS)' for the BRBNMPL Township perimeter, with integration to the existing CCTV network system and 90 days data backup of any intrusion occurrence.
- b) The system shall analyse an enormous amount of data using ultra-fast architecture to give real-time feedback on the likely origin and type of the disturbance.
 - i) Real-time fibre + connector quality monitoring 64 Bit high-speed FPGA architecture.
 - ii) GIS integration capability.
- c) The system shall deploy 'Distributed Acoustic Sensing (DAS)' technology integrated with Artificial Intelligence(AI)-based analytics to automatically detect, locate, and classify intrusion attempts, including but not limited to cutting, climbing, or lifting of the Perimeter, and digging activities near the boundary wall or Perimeter etc., any unauthorized interference along the secured stretch.
- d) The system shall provide continuous real-time monitoring with precise location-based alert generation, and shall be fully integrated with the existing CCTV/Video Management System (VMS) to enable automated video verification and security response workflows.
- e) The fibre optic sensing cable shall be deployed on the existing concertina coil in linear pattern and zig-zag pattern on the perimeter wall and through an underground buried loop as required. The minimum burial depth for underground cable shall be 1mtr for soft soil and suitable depth for bitumen road/concrete surface through core cutting.
- f) Fibre optic distributed sensing controller units shall be configured with dual-channel capability to support distributed perimeter monitoring and redundancy.
- g) A centralized software and server infrastructure shall be provided with a GUI-based Command and Control (C2) platform for end to end monitoring, event management, system configuration, reporting etc.
- h) An AI-based analytics platform shall be deployed for event categorization, and false alarm minimization under varying environmental and operational conditions.
- i) The system shall support an API framework for seamless integration with the customer's existing Security Surveillance System. The proposed PIDS software must be future-ready and compatible for integration with the existing CCTV Video Management System (VMS).
- j) The system architecture shall be redundant, ensuring that perimeter protection remains uninterrupted even in the event of one fibre cable cut. Redundancy shall be achieved through deployment of two cables in parallel, ensuring continuous intrusion detection capability.
- k) Relay output panel shall be supplied and configured with dry contact alarm output {NO/NC contact - minimum 24 contacts or as per requirement} for triggering alarms, lights, and other security responses specified by BRBNMPL. Copper wiring or suitable shall be laid from the control room throughout the perimeter to supply power to relay contacts. Proper saddling, conduit routing, surge protection, safety measures, and termination arrangements shall be ensured.

2. System Overview:

The AI-based 'Distributed Fibre Optic Perimeter Intrusion Detection System (DFOPIDS)' shall transform standard single-mode optical fibre into a continuous sensing medium using Distributed Acoustic Sensing (DAS) technology. Vibrations or disturbances generated by intrusion attempts anywhere along the Perimeter shall be detected, captured and analyzed in real time using AI/ML-based algorithms. This shall ensure highly accurate classification of intrusion events while effectively filtering out nuisance alarms caused by environmental factors such as wind, rain, wildlife or vehicular movement. The sensing architecture shall remain completely passive in the field, with no active electronic components or power requirements deployed along the perimeter cable route, thereby maximizing system reliability, survivability, and ease of maintenance.

3. Functional Requirements:

- a) The Fibre Optic Perimeter system shall detect and accurately locate intrusions attempts within the configured zones for any effort to breach the perimeter by cutting, climbing, lifting or tampering with the perimeter fabric, digging underneath the wall, machine drilling/excavation etc. which causes vibration on the wall and ground.
- b) The system shall support test calibration of DFO-PIDS system periodically.
- c) The system shall be capable of detecting and reporting multiple simultaneous intrusions on intrusion events occurring in different zones along with priority of alarms generation without performance degradation.
- d) In case of an intrusion, the system shall highlight the corresponding zone/area/section on the monitoring interface and generate audio or visual alerts. Simultaneously, the system shall trigger corresponding relay outputs for activation of external devices such as hooter or warning lights.
- e) The system shall employ adaptive AI/ML-based algorithms to intelligently distinguish between genuine intrusion events and non-threatening environmental activities such as wind, rain, wildlife, or vehicular movement, thereby minimizing false alarms.
- f) The system should deploy redundancy at controller level and sensing cable to ensure uninterrupted operation of FO-PIDS.
- g) **Cut Immunity / Resilience:** The system shall be designed and installed in a cut-immune configuration. In the event that the sensor cable is cut – whether due to accidental damage or a deliberate attempt to defeat the system – the following capabilities must be ensured:
 - i) The system shall immediately detect and report the cable cut incident along with the precise cut location.
 - ii) After the cut, the sensor shall retain full detection and localization capabilities up to the point of the cut.
 - iii) The system architecture shall ensure that intrusion detection across the entire perimeter continuous even after a cable cut, without any loss of coverage.
- h) **Point Disturbance Discrimination:** The System should differentiate between point disturbances caused by real intrusions and spatially distributed environmental disturbances like wind, heavy rain, and hail. Unlike a block sensor, where all events are aggregated together along the entire zone length (including ones caused by distributed environmental conditions). System divides the perimeter protected into logical cells/zone and intrusion signals are evaluated independently for each cell/zone.
- i) **Redundancy and Security Architecture:**
 - i) The sensing cable shall be deployed in a redundant loop topology, ensuring uninterrupted protection in the event of a fibre cut.

- ii) Each perimeter segment of approximately 8km shall be connected to the DAS Controller from both ends of the same sensing cable using independent cores creating a fully redundant sensing path.
- iii) In case of cable cut, the system shall automatically switch to reverse feed ensuring continued operation without any loss of detection capability or coverage gaps.

3.1 Detection and Classification

- a) Shall detect and classify:
 - i) Perimeter climbing, cutting, or lifting attempts and drilling the perimeter wall
 - ii) Digging or tampering near the perimeter.
 - iii) Manual digging, machine digging, tunnelling, walking, running, crawling and heavy vehicle movement for underground deployment.
 - iv) Vehicle movement or human approach within detection range etc. on the basis of site requirement.
- b) Shall employ **AI/ML algorithms** to automatically classify events and minimize false alarms and functionalities.
- c) Shall provide **real-time, continuous detection** without physical zone limitations.
- d) Minimum **location accuracy**: Minimum 5 mtrs or better. Pinpoint of exact location of the intrusion to be displayed.
- e) **Detection latency**: Less than 2 seconds.
- f) Shall differentiate between human, vehicle, and animal movements with accuracy.
- g) The system shall use multivariable analysis algorithms, real-time pattern recognition to minimized false alarm.
- h) **The system shall not generate/suffer nuisance alarm from any of the following sources:**
 - i) Movement of nearby objects or vegetation without contact with the Perimeter
 - ii) Temperature fluctuations
 - iii) Motion of surface or ground water
 - iv) Sensitivity must be adjustable and scalable.
 - v) Audible and visual alarm notifications.
 - vi) Relay output panel: Dry contact alarm output {NO/NC contact - minimum 24 contacts (as per requirement)} must be configured for alarm/light in each zone as per requirement by BRBNMPL.
- i) **Classification Algorithms**: To provide optimum Probability of Detection (PoD) vs Nuisance Alarm Rate (NAR) performance and cut:
 - I. **Alarm Categories and Visualization:**
 - a) **Alarm Categories**: The system shall classify alarms into Critical, Warning, and Informational categories.
 - b) **Alarm Visualization**: Alarms shall be color-coded for clear visual identification:
 - Red – Active/Critical alarm
 - Yellow – Warning
 - Green – Normal/No alarmAdditional multi-color schemes may be configured based on site requirements, event types, and criticality levels.

- c) **Priority-Based Classification:** All alarms shall be priority-tagged to facilitate fast response and automated event handling.
 - d) **Automatic Alarm Correlation and Filtering:** The system shall support intelligent alarm correlation, reducing false alarms by identifying and filtering out non-threat events.
 - e) **Historical Alarm Logs & Analysis:** Complete historical logs of alarms shall be maintained for audit, compliance, and advanced analytical reporting.
- II. For Perimeter applications, separate Perimeter-climb and Perimeter-cut detection algorithms enable the detection of stealthy Perimeter cutting attempts without compromising the performance. Any impact to the sensor cable by an intruder's hands, feet, or climbing aid will be detected by the system.
- III. **Buried Detection - Typical Detection Ranges:**
 - a) For buried applications – footstep, manual digging, machine digging, vehicle engine, and vehicle motion to be differentiated. The system distinguishes these from background vibrations and declares an alarm. The system not only detects soil compression and displacement in the vicinity of the buried sensor cable but also the minute seismic waves induced by human footsteps. The high sensitivity of the system provides flexibility in the burial depth of the sensor cable, enabling the system to not only detect footsteps directly above the sensor cable, but also those up to 1 meter away.
 - b) **Vehicle Detection and Optional Rejection:** The system shall be capable of detecting vehicles in the vicinity of the sensor cable due to the vibrations created by their motion or by the engine. In the case of a road parallel to the protected area, the system shall be configured to reject normal vehicle traffic and only raise an alarm if a vehicle drops below a configurable speed/vibration setting or stops altogether.
 - c) **Digging and Tunnelling Detection:** The system shall detect hand and machine digging and tunnelling at distances of up to 3meter from the sensor cable in any direction. The sensor cable can be positioned 1meter underground if necessary to extend coverage down to the required depth.
 - d) **False alarm prevention to be done in the following conditions:**
 - i) High winds, ground heaves caused by the roots of trees moving in the wind and debris blown through the field of an active system shall not cause alarm.
 - ii) **Rainfall or rain rate** Heavy rainfall can induce Perimeter and topping vibrations. Heavy rainfall shall not cause false alarms, reduce detection performance or reduce the effective range of detection zones. Provision shall be made to avoid false alarms caused due to above reasons.
 - iii) **Lightning strikes** inside a radius of 1km Lightning strikes may damage system electronics. Suitable earthing or other measures shall be provided.
 - iv) **Condition Impact Pedestrians adjacent to perimeter** where people have access to the perimeter (e.g. a public footpath alongside the perimeter Perimeter). In addition, pedestrian activity alongside a barrier could cause alarms from PIDS mounted on the barrier. Suitable measures shall be provided to avoid such false alarm.

- v) **Legitimate pedestrian or vehicular** access may require certain zones to be isolated/switched off at particular times of day, for instance.
- vi) **Wildlife** Common animals such as rabbits, foxes, dogs or birds often cause false alarms.
- vii) **Water logging:** Flooding or water saturation in any part of the detection zone should not have significant impact on the performance of some systems.

The above list is indicative not exhaustive in false alarms.

3.2 Optical Fibre Cable (OFC):

- a) The OFC (**12F Multi-core sensing cable**) has to be laid underground ahead of and along the perimeter area in **linear/Zig Zag** fashion. **The deployment shall follow a linear parallel alignment at a suitable distance as per ground conditions with maximum distance being 5mtr and depth of 01mtr or as per BRBNMPL requirement.**
- b) **The OFC shall conform to the** latest editions of all relevant international and national standards, including but not limited to **ITU-T, TIA, IEC, ELA, ASTM, BS, TEC & Dot** (as applicable).
- c) The OFC shall comply with **ITU-T-G 652/655 or better** specifications to ensure high performance, low attenuation, and long-distance transmission capability.
- d) The OFC shall be suitable for capturing vibrations in both over ground and underground deployments, and shall be provided with armoured, UV-resistant, water-blocked, rodent-proof, and flame retardant sheath or other appropriate outer jacket variants to ensure durability, sensitivity, and environmental protection.
- e) The length of CSTA (with ECCSA) underground burial-type OFC per drum shall be 10km $\pm$ 5% as per the field requirement.
- f) The OFC shall be protected against damage from termites, rodents, fire, moisture and water throughout the service life of the cable.
- g) The outer surface of each completed cable shall be provided with metric length markings at regular intervals.
- h) The minimum bending radius shall be 20 x cable diameter or better.
- i) Fibre coatings shall be provided in distinct and identifiable colours for easy fibre identification. The fibre colour scheme shall comply with IEC publication IEC 603304/ IEC 60794-2.
- j) The cable shall be **UV-resistant, water-blocked, rodent-proof, armoured, IR flame-retardant** sheath and suitable for outdoor installation.
- k) The cable shall be armoured, single-mode, multi-core Optical Fibre Cable suitable for direct burial and perimeter mounting applications.
- l) The cable shall have a minimum 12-fibre count to support current requirements as well as future sensing and security system integrations.
- m) The cable shall have a minimum service life of 25-years.
- n) Weather resistant proper tagging shall be provided at all terminations points for clear and durable identification.

- o) Spare length of cable shall be provide in loop form at designated locations to facilitate re-joining in case of cable cut or other maintenance requirements.
- p) Proper segregation of cables shall be ensured, adhering to relevant cable management standards.
- q) Cable laying shall be done through conduits or cable trays with adequate protection. Proper tagging and identification shall be maintained throughout the route.
- r) The laying and routing of all the cables shall be carried out strictly as approved by BRBNMPL.
- s) Electrical tape shall not be used for joining cables under any circumstances.
- t) All civil and electrical works, including accessories required for proper system installation and operation, shall be provided by the bidder.
- u) **OFC distance marker:** A 200mm diameter metal plate shall be provided by the bidder and Route marker shall be installed at every 200 meters on earth as required and at all crossings. The running distance shall be clearly mentioned on each route marker. The plates shall be suitably painted for visibility and long-term identification. Marking as per requirement. It should be minimum 1 foot below and 1 foot above ground surface with proper grouting. (+) shaped base plate 200 mm dia shall be provided with route marker.

3.3 Interrogator/ Controller Unit

- a) The controller shall be True phase based Coherent Rayleigh OTDR for Distributed Acoustic Sensing (DAS).
- b) The Interrogator shall house: Laser source (LED) and digital signal processor.
- c) The dual channel DAS system is a high-performance distributed acoustic sensing platform designed for real-time monitoring of pipelines, perimeters, conveyor systems, and critical infrastructure using fibre optic technology.
- d) Channel Capacity: Each controller shall support minimum 50km per sensing channel.
- e) Zoning: Capability to configure virtual security zones of minimum 50meters resolution along the entire perimeter.
- f) Detection: The system shall be capable of detecting attempts to breach the perimeter in various intrusion scenarios, which shall not be limited to following scenarios:

Perimeter wall deployment along the concertina coil:

- i. Fence Climbing
- ii. Fence Cutting/ Drilling the perimeter wall
- iii. Fibre Cutting
- iv. Sabotaging the Fence

Underground deployment:

- i. Manual Digging
- ii. Machine Digging
- iii. Tunnelling
- iv. Walking
- v. Running
- vi. Crawling
- vii. Heavy Vehicle Movement

- g) Cut-Through Architecture: If a fibre is cut, system must continue protecting from the opposite end without loss of coverage.
- h) **General Specifications:**
- i) Sensing Element: Fibre Optic Sensing Cable (single-mode FO Cable).
 - ii) Number of Channels: Minimum 2 independent channels.
 - iii) Enclosure: Suitable rack with smart fan control, redundant cooling paths.
 - iv) Operating Temperature: System: 0°C to 50°C.
 - v) Humidity: Up to 95% non-condensing.
 - vi) Power Supply: Available power at BRBNMPL is 240 V AC $\pm$ 10%, 50 Hz. For any other operating voltage suitable SMPS shall be provided along with the controller.
- i) **DAS (Acoustic) Performance:**
- i) Sensing Range: Minimum 50 km per channel
 - ii) Frequency Response: 1 Hz to 120 kHz (application dependent).
- j) **Laser and Data Acquisition:**
- i) Laser Type: Infrared Class 1M, LED
 - ii) Wavelength: 1550 nm (approx.)
 - iii) Laser Stability: $\pm$ 5 pm. (digitally controlled for better. stability)
 - iv) Acquisition Rate: 400 MHz
- k) **Sensor Configuration:** Add, remove, and configure sensors remotely.
- l) **System Performance Parameters**
- a) Detection Range: Minimum 50 km/channel
 - b) Location Accuracy: $\pm$ 5 meters or better.
 - c) Detection Latency: <2 seconds
 - d) Event Classification Accuracy: $\geq$ 95%
 - e) MTBF: >100,000 hours
 - f) Availability: >99.5%
- The fibre optic sensing cable (total three runs) shall be deployed on the existing concertina coil in linear pattern and zig-zag pattern on the perimeter wall and through an underground buried loop as required. The minimum burial depth for underground cable shall be 1mtr for soft soil and suitable depth for bitumen road/concrete surface through core cutting.
- m) Centralized redundancy via dual controllers or dual network interfaces for ensuring uptime >99.5%.
- n) **Output and Integration:**
- i) Interfaces: Modbus Ethernet TCP/IP (standard) and remote interfacing via Ethernet or as required.
 - ii) HMI: Built-in Human Machine Interface (keyboard and mouse input).
- o) **API and Integration**
- i) Open RESTful API or any other form of API for integration with third-party VMS and existing CCTV network as required & it is part of vendor scope.
 - ii) Alarm-to-video triggering for CCTV expansion in future.

- p) **Sensitivity adjustment** : Calibration software shall be capable of filtering out local disturbances and spurious / false alarms to maximum extent. The detection threshold shall be tuned using software, based on the weather disturbances and surrounding default noise sources.
- q) **Detection Selectivity** : The PIDS system shall be capable of detecting intrusion events separately in each Zone i.e. simultaneous reporting of intrusions for more than two zones
- r) **Compatibility**: Fully compatible with standard single mode fibre (SMF) (ITU-T G652.D/655 or equivalent/better).
- s) **Form factor**: 19" rack mount

3.4 Software, Server & Storage:**Schedule 1 Server specifications: For Salboni Press**

The server shall be a high-performance, enterprise-grade system designed to support data-intensive application, AI/ML workloads, and high-speed storage operations. The hardware configuration shall include, at minimum:

Storage: 16TB HDDs configure in dual RAID arrays to ensure high availability, redundancy, and enhanced read/ write performance. Support for hot-swappable drives and scalable storage expansion.

1. Hardware Configuration:

- **Model Type:** Latest Enterprise grade 19" rack mountable server
- **Processor (CPU):** Intel Xeon Gold series dual socket processor or higher, 5th Gen or higher (16 Cores, up to 3.9 GHz), equivalent or better.
- **Chipset:** Intel C620 / W680 / Server-class chipset, equivalent or better.
- **Memory (RAM):** 128 GB DDR5 ECC (Expandable up to 512 GB) or better.
- **Graphics & Compute Unit**
- **GPU Model:** Dedicated NVIDIA RTX 4060 Ti (16 GB GDDR6), equivalent or higher.
- **Server Storage:** SSD SATA Minimum 4TB usable capacity after hardware RAID 5/10 configuration or better/equivalent and expandable up to 10TB or higher.
- Provision for dual redundant power supply to servers.
- **Tensor & RT Cores:** Yes (AI and Ray-Tracing supported) or better.

Purpose:

- AI/ML model acceleration
- Graphics rendering
- Video analytics
- Parallel computation tasks

- 2. **Boot Drive** :1TB NVMe SSD (for OS performance boost, if hybrid setup used) or better.
- 3. **RAID Controller:** HPE Smart Array / Broadcom MegaRAID / LSI 9361-8i with RAID 0/1/5/10 support and cache protection or equivalent/better.
- 4. **Power Supply:** Dual Redundant Platinum-rated PSU or better.
- 5. **Cooling:** High-performance redundant cooling fans with thermal monitoring.
- 6. **Chassis Type:** Suitable Rackmount / ~~Tower chassis~~ with hot-swap drive bays or better.
- 7. **Back-up Storage Specification:**
 - **HDD Capacity:** 16TB per drive or better.

- **HDD Type:** Enterprise HDD or better.
- **HDD form factor:** 3.5Inch.
- **HDD RPM:** 7200rpm.
- **HDD Interface:** SATA III or better.
- **Total Raw Capacity:** 96TB (6x16TB RAID 5/10 configuration and redundancy) or better [**Calculation data sheet to be provided (Event and Alarm) for integration of the minimum 10HD cameras x 8 Zones (tentative) up to 90 days back-up with RAID Configuration details]**
- **RAID 5/10 (for Data)**
Drives Used: 6 x 16TB or better
Type: Distributed parity with one-disk fault tolerance
Capacity Available: 80TB usable (16TB x 5 effective after parity).
Purpose: Data storage, database files, video archives, or backup data.
Benefit: Balance of performance, capacity, and redundancy.

8. Network & Connectivity

- **Network Interface:** Dual 10GbE / 2.5GbE LAN ports (RJ-45) or better.
- **Expansion Slots:** 2 x PCIe Gen5 x 16, 1 x PCIe Gen4 x 8 or better.
- **USB Ports:** USB 3.2 Gen2 (Front & Rear) or better.
- **Remote Management:** IPMI / iLO / iDRAC (depending on brand) or better.
- **Optional Ports:** HDMI, DisplayPort (via GPU) or better.
- **Redundancy:** Dual PSU + RAID fault tolerance

a) Physical specifications:

- **Form Factor:** Suitable Rackmount.
- **Cooling:** Smart fan control, redundant cooling paths

Software & OS Support

- **Supported OS:** Windows Server 2025 / Red Hat Enterprise Linux 9, equivalent or higher.
- **RAID Management Software:** LSI Mega RAID Storage Manager / HPE Smart Storage Administrator, equivalent or better.
- **DBMS:** Microsoft SQL server (**Licenced**) or equivalent/better
- Data management software must be supplied with **genuine and valid licenses** issued in the name of BRBNMPL and perpetual in nature. Upgradation if any should be provided by the contractor during the warranty period and AMC period without any extra cost.

Client work station shall operate on the latest Windows 11 professional operating system or higher version. The system shall be Client/User station support or software based (Application based) operations for monitoring configuration purpose.

- i) **Minimum Processor:** Intel Core i9 or better, Generation 12 or better.
- ii) **RAM:** 32GB ECC DDR4 or higher.
- iii) **Storage:** 1TB SSD or higher.
- iv) Windows 11 PRO or latest and MS office 2024 or latest required (Genuine pre-loaded) (MS Office 2024 license should be perpetual and in the name of BRBNMPL)
- v) **Display:** Client workstation display 27 inches or better LED display with full HD (1920 x 1080) or better.

vi) **Network:** 1Gbps Ethernet port or better.

vii) **Graphics:** Integrated or dedicated GPU supporting or better.

viii) Control GUI must be window based software.

ix) **Display & Monitor configuration:**

The monitor is used for displaying on wall/ stand at CCTV control room. Required size: 55 inches or better, 4K (3840 x 2160) display, integrated and dedicated GPU support resolution. Minimum 2 x HDMI/Display port output (supporting 4K).

9. GUI Specification:

Command & Control GUI with real-time map-based visualization of perimeter. Map based visualization must be online/offline mode.

i) User Interface

- a) **Dashboard View:** Graphical overview of perimeter status, including sensor status, alarms, and active zones.
- b) **Interactive Map:** Schematic layout of the monitored area with real-time sensor status indication.
- c) **Notification Pop-ups:** Instant alerts for any breach or sensor malfunction. Pin-point location of detected intrusion should be highlighted on the schematic layout/map.

ii) User Interaction

- a) Clickable sensors on the map to view status and history.
- b) Drag-and-drop configuration of zones and sensor assignment.
- c) Customizable layout with multiple monitoring screens.
- d) Virtual zoning with ability to highlight intrusion event location on GIS/ floor plan.

iii) Real-time Monitoring System:

- a) Continuous surveillance of all sensors and zones.
- b) Live status of all perimeter zones
- c) Interactive site maps showing sensor locations
- d) Real-time video feeds integrated with alarm events
- e) Zone-based monitoring with color-coded status indicators
- f) Display of event type, date, time, and location on system GUI

iv) Data management software/application and licensing:

- a) **Integration:** PIDS Controller with VMS. Provision for integration of FOPIDS system with third party VMS software through TCP/IP shall be available. OEM to provide all associated hardware & software (SDKs/APIs) for FOPIDS to be interfaced with the existing VMS for an Integrated Security System.
- a) **Firmware Support:** PIDS system shall have independent Software interfaces for controlling as well as Hardware/Firmware.

v) Operation Management:

Dedicated alarm management module should be provided that can show alarm log separately for Acknowledged and Unacknowledged alarms with type of alarm.

- vi) All the required licenses to be provided to meet the scope and all the licenses to be in the name of BRBNMPL and perpetual.

3.5 Communication Infrastructure

The primary communication network shall utilize fibre optic cables (single-mode) for backbone connectivity. Field devices shall be connected using Cat6 shielded ethernet cable rated for outdoor use. The system shall support multiple protocols including Modbus TCP/IP, MQTT, OPC UA, DNP3, or equivalent (as required by BRBNMPL). Security measures shall include SSL certificates.

3.6 Alarm Management

Priority	Type	Notification Method
P1	Critical (Safety)	Popup
P2	High (Equipment Fault)	Popup
P3	Medium (Performance)	Display
P4	Low (Information)	Display only

Critical alarms shall be configured for zone wise intrusion of human activity and as required by BRBNMPL.

3.7 Data Storage & Backup

Data Type	Storage Duration	Storage Location	Backup Frequency
1-minute raw data	15 days	Local Storage	Hourly
15-minute average data	30 days	Local Storage	Daily
Hourly average data	45 days	Local Storage + Server Storage	Daily
Daily summary data	90 days	Server Storage	Weekly
Alarm and Event logs	90 days	Local Storage + Server Storage	Daily

The backup system shall comprise 16TB or better Storage system with RAID 5/10 configuration for redundancy. Automated daily full backup procedures shall be implemented.

a) Data Storage for Perimeter Intrusion Detection Systems

Types of Data to Store

- i) Alarm & Event Data
- ii) Alarm triggers (date, time, location, sensor ID)
- iii) Alarm type (intrusion, tamper, fault)
- iv) Alarm priority (critical, high, medium, low)
- v) Alarm acknowledgment (who, when)
- vi) Alarm resolution (action taken, time to resolve)
- vii) False alarm incidents
- viii) Alarm escalation history
- ix) Sensor & Device Data
- x) Sensor status (active, inactive, fault, maintenance)

- xi) Sensor health metrics (signal strength, battery level)
- xii) Device configuration changes
- xiii) Communication status (online/offline)
- xiv) Device diagnostic logs
- xv) Video & Image Data
- xvi) Event-triggered video clips (before/after intrusion)
- xvii) Continuous recording (based on retention policy)
- xviii) Video analytics metadata (object detection, tracking)
- xix) Entry/exit events at perimeter gates
- xx) Access denied attempts
- xxi) System Performance Data
- xxii) Network latency and bandwidth
- xxiii) Database transaction logs
- xxiv) User login/logout
- xxv) Operator actions and commands
- xxvi) Configuration changes
- xxvii) Report generation
- xxviii) System access audit trails
- xxix) Alarm record: System shall have an Alarm acknowledgement facility
- xxx) Alarm logs: System shall show alarm log separately for Acknowledged and Not Acknowledged.
- xxxi) Any other alarm, event log etc. not explicitly mentioned above but recommended by OEM.

b) Reporting & Analytics

- i) Generate reports on **alarm history, sensor performance, and intrusion trends**.
- ii) Export data in PDF, CSV, or Excel format.
- iii) Graphical charts for visual analysis.
- iv) Incident reports and trends
- v) False alarm analysis
- vi) Performance metrics and KPI (Key Performance Indicator)
- vii) User authentication and role-based access control
- viii) Triggered video recording and evidence capture from the existing CCTV network (one minute prior event/incident and one minute after the event/incident)
- ix) Reduced false alarm rates through Artificial Intelligence filtering
- x) Faster response times to genuine threats
- xi) Auto-generated incident reports with time-stamped event logs.
- xii) Alarm masking and sensitivity customization on per-zone basis.
- xiii) Remote browser-based access with role-based authorization.
- xiv) **Event Recording & Playback:** Store event logs with timestamp and sensor details.
- xv) **Integration Capability:** Supports integration with CCTV
- xvi) **Remote Access:** Desktop client access for remote monitoring within LAN.
- xvii) **Maintenance & Upgrades:** troubleshooting and diagnostic tools to be included.
- xviii) **Permission levels hierarchy:**
 - a) Simultaneous login for multiple operators.

- b) Administrator: Full access with the ability to change settings
- c) Supervisors: Ability to view alarm records, edit and create reports
- d) Client Users: Ability to view, classify and reset alarm only.
- xix) **Security/Software:** User authentication with **role-based access control (RBAC)**. Encrypted communication between sensors and software. Audit logs for user activity and system events as per BRBNMPL requirement.
- xx) **Software Requirements**
 - a) GUI with real-time map visualization and intrusion alerts.
 - b) AI adaptive learning and model tuning.
 - c) On-premise AI updates.
 - d) Multi-user access with audit trail.
 - e) Event filtering, playback, and reporting tools.

3.8 Switch:

Sl. No.	Parameter	Specification
1	Type	Enterprise Grade, Fully Manageable Layer-2 Switch. (PoE+)
2	Port Density & Hardware Requirement	19" rack mountable switch with Min 8 x10/100/1000 Base-T port of POE + and 4x1G S F+ ports with suitable AC/DC PSU; dual power inputs. 4 nos. 1G SM modules should be loaded.
3	PoE Features	POE + Standards should be in accordance with IEEE 802.3af and IEEE 802.3at standards with 30W PoE+ support with PoE budget of 240W
4	Performance & System Capacity	The switch should have min. 16 Gbps of switching capacity & min. 11 Mpps of forwarding rate. Switch should support 4K MAC addresses
5	L2 Features:	Support for Port-based VLANs, 4096 VLANs (IEEE 802.1Q), , MAC-based VLANs, IP subnet-based VLANs 256.
6	Security Features	Should support ACLs, DHCP snooping, IEEE 802.1x based port authentication, SSL, SSH, Port Mirroring, NTP, sflow/netflow, Dynamic ARP Inspection, IP source guard, FIPs 180, FIPS 46 etc.
7	Ingress protection	IP20 protection minimum
8	Operating temperature	0°C to 40° C or better
9	Operating humidity	10% to 90% RH non-condensing or better
10	Certifications	UL/CE/ FCC/EN/ ROHS or equivalent

3.9 Environmental & Electrical Requirements

- a) Operating Temperature: -20°C to +60°C
- b) Humidity: Up to 95% non-condensing
- c) Power Supply: 240V AC ±10%, 50Hz
- d) Outdoor junction boxes : IP68 rated

3.10 Civil and Electrical Works

- a) GI conduits, trenching, ducting, and RCC path protection for buried cable segments.

- b) Proper fencing fixtures for wall/ deployed segment of cable with anti-tamper clamps.
- c) Surge protection and separate grounding with dedicated earth pits (equipment/body earthing) as per IS 3043:2018 & IEC 61000 & 62000 series.
- d) Separate lightening arrestor to be installed nearby Controller unit and separate dedicated earthing to be done for lightning arrestor as per IS standards.
- e) **Chemical Earth Pit technical details:**
 - i) Inspection chamber: 300 x 300 x 300 mm PVC or brick pit with a heavy duty cover.
 - ii) Cover: Must be suitable for the application with minimum load bearing capacity.
 - iii) The cover should have space for marking the date of testing and the earth resistance values.
 - iv) Backfill compound specifications: Material - Conductive mixture of carbon powder, metal powder and bonding materials, Composition: 70% carbon powder and 30% metal powder with a granule size of 100 mesh.
 - v) Must be electrically conductive, non-corrosive, permanent and environment friendly.
 - vi) Electrode: Copper
 - vii) The earth pit chamber should be as per IEC 62561-5 or latest.
 - viii) The backfill material must not cause corrosion to the earth electrode.
 - ix) The chemical earth pit should be designed for maintenance-free after installation.
 - x) Resistance should be less than 5 ohm.
- f) **Lighting Arrestor technical details:**
 - i) Type: Outdoor type (Early streamer emission)/Conventional Lightning arrestor as per design.
 - ii) Standard: Confirming to IS/IEC 62305 and IEC 62561.
 - iii) Material: Stainless Steel/Copper Alloy, Corrosion resistant.
 - iv) Coverage Radius: Minimum 1km (or as per site requirement)
 - v) Mounting: Mounted on GI or SS pole minimum height to cover as per site requirement (Minimum 1km).
 - vi) Down Conductor: Copper Strip 25mm x 3mm or copper or copper cable 70 sq. mm cross-section
 - vii) Earth Termination: Separate maintenance free chemical earth pit as per IS 3043. Earth resistance ≤ 5 Ohms.

3.11 Training and Handover

- i) Contractor to provide comprehensive training for operators and administrators covering:
 - a) GUI configuration, alarm monitoring, and CCTV linkage.
 - b) First-level troubleshooting.
- ii) Hands-on training for operation, AI analytics, and maintenance.
- iii) Covers troubleshooting and preventive maintenance.
- iv) Three hard copies of operational and maintenance manual along with necessary drawings shall be provided.

3.12 Compliance and Standards

- a) CE safety standards for all electronics.
- b) IEC 60794 standard for fibre optic cables.
- c) ISO 27001 compliance for system security.
- d) IEC 60825-1 (Laser Safety)

- e) IEC 61000 Series (EMC)
- f) ITU-T G.652D (Optical Fibre)
- g) CE / UL/BIS or equivalent Certified Interrogator
- h) IS 3043:2018 for Earth pits

4. Installation Requirements

- a) Fibre secured along Perimeter using UV-resistant ties.
- b) Use of IP68-rated junction boxes.
- c) Proper labelling and documentation.
- d) Interrogator in secure, climate-controlled room. Testing and Commissioning
- e) Final Acceptance Test (FAT) after installation.
- f) Demonstrate intrusion detection accuracy and AI performance.
- g) Provide all test reports and documentation.

5. Documentation

- a) System diagrams, manuals, and cable layout.
- b) Test and calibration reports.
- c) Warranty and compliance certificates.
- d) Provide as-built drawings, zone configuration, and manuals (hard & soft copies).
- e) Any other necessary documents relevant to the project.

6. Warranty/ Defect Liability Period & Support

- c) **For supply part:** Minimum 02 (Two) Years of Warranty for complete DFOPIDS system from the date of successful completion and acceptance of the work by BRBNMPL. Subsequently, three-year NCAMC post warranty on call basis includes quarterly visits and unlimited breakdown visits. Support for OEM-provided software and AI model updates during warranty and NCAMC period.
- d) **For work part:** Minimum 02 (Two) Years of Defect Liability Period from the date of successful completion and acceptance of the work by BRBNMPL. DLP covers any defect or fault that arises as a result of Contractor's design, materials, workmanship etc.

7. Acceptance Criteria

- a) Successful FAT completion.
- b) Verified detection and AI classification accuracy.
- c) Approved integration with CCTV/VMS.
- d) Documentation and training completion.

8. PRE-FAT:

- i) **Documentation review:** Verification that all user manuals, maintenance manuals, drawings, and certification documents have been delivered and approved.
- ii) **Visual inspection:** A check of the physical installation for correct mounting of all equipment, including sensors, cabling, processors, and cameras etc. This also verifies that the installation was done professionally, without visible damage or loose connections.

9. Final Acceptance Test (FAT) and Final Acceptance Certificate (FAC)

Upon completion of Design, Engineering, Supply, Installation and Commissioning of DFOPIDS, BRBNMPL will conduct testing of system in presence of the contractor for a period of 21 consecutive days to the satisfaction of BRBNMPL.

The FAT shall evaluate the system's performance against all specified technical and operational parameters, if any parameters are not fulfilled, they shall be conducted again after rectification to this satisfaction of BRBNMPL.

It is contractor's responsibility to achieve and show the parameters guarantee within three attempts within a reasonable period. Even after three repetitive attempts if FAT fails, then this will be treated as breach of agreement and BRBNMPL will be at liberty to decide the future course of action as deemed fit.

After successful completion of FAT and certification by BRBNMPL on compliance of all tender obligations viz. handing over of documents, software backups etc., the Final Acceptance Certificate (FAC) will be issued.

9.1 FAT Procedure

- a) **Test Commencement:** The FAT period shall begin only after successful completion of all pre-commissioning tests and receipt of all statutory approvals. The system shall be placed under continuous observation for 21 days to validate trouble-free operation.
- b) **Technical Assessment:** BRBNMPL's Maintenance Division or designated Technical Committee shall conduct periodic inspections to verify system performance and compliance. Independent third-party evaluations may be conducted if deemed necessary.
- c) **FAT Scope and Requirements:** Key components of a final acceptance test

The final acceptance test, conducted with both the installer and customer present, confirms that the system is ready for full-scale operation. A comprehensive test typically includes:

- i) **Functional testing:** A complete check of all system functions, including:
 - Verifying that alarms are properly generated, transmitted, and displayed on the control room software for each detection zone.
 - Confirming that the correct CCTV camera view pops up automatically when an alarm is triggered in its corresponding zone.
- ii) **Performance testing:** An assessment of system performance in real-world conditions, including:
 - **Intruder scenarios:** Simulating various intrusion methods, such as climbing, cutting, or attempting to breach the perimeter at multiple points.
 - **False alarm immunity:** Verifying that the system correctly ignores harmless disturbances from environmental factors like weather, wind, and wildlife.
- iii) **Integration testing:** Ensuring that the PIDS integrates properly with all other security and building management systems.
- iv) **Failure testing:** Confirmation that the system operates safely and effectively under failure conditions, such as a loss of primary power.
- v) **Reporting:** Documenting the test procedures and results. Any deviations or issues discovered during the test are recorded and must be addressed before final approval is granted.
- vi) **Sample** test procedure and scenarios

a) System arming/disarming:

- Arm the PIDS and confirm that all detection zones are active.
- Disarm the PIDS and confirm that no intrusion alarms can be generated.

b) Alarm verification:

- Simulate an intrusion in any Zone.
- Confirm an alarm signal is received in the control room.
- Verify the correct camera view for respective Zone is displayed on the operator's monitor.

- **Sensor coverage check:**

Test the system by having a person walk along the entire perimeter, confirming gap-free detection coverage.

c) Environmental interference:

- Simulate environmental conditions known to cause false alarms, such as heavy rain, wind, or nearby pedestrian traffic.
- Verify that the system's sensitivity settings are correctly filtering out these events.

d) Power failure simulation:

- Cut the primary power to the system's control unit.
- Confirm that the system switches to battery backup and generates a "trouble" or "power failure" signal.

e) System component tampering:

- Attempt to tamper with a sensor or cut a communication cable.
- Verify that the system detects the tampering and generates an alarm.

f) Monitoring and Control Systems

- Alarm and escalation mechanism testing
- Remote monitoring within LAN network
- Data logging, storage, and report generation validation

g) Protection Systems

- Earthing system resistance ≤ 5 ohms

10. Delivery Schedule:

Design, engineering, supply, installation, testing, commissioning, training and FAT of DFOPIDS to be completed within 180 days including weekly off and holidays from the date of issue of LOI/NoA. Material should be supplied within 90 days from the date of LOI/NoA.

11. Technical Summary Table:

Parameter	Requirement
Total Perimeter	Salboni: 8 km (approx.), Mysuru: 7.5 km (approx.)
Technology	DAS (Distributed Acoustic Sensing)
Zoning Resolution	≤ 50 m

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TENDER DOCUMENT FOR DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU**E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026**

Parameter	Requirement
Controller Capacity	≥ 50 km per channel
Redundancy	Cut-proof
Server Storage	≥ 90 days (RAID-enabled)
Integrations	VMS, API
GUI	Map-based, AI event categorization
CCTV Integration	PIDS software & CCTV expandable, single OEM
Cable Type	Armoured OFC, Direct Burial + Perimeter-mount
Warranty	2-year for whole DFOPIDS after issuance of FAC 2-year DLP for work part
AMC	3 years post-warranty on call basis after warranty obligations includes quarterly visit and unlimited breakdown visit.

12. Bill of Quantities (BOQ) for DFOPIDS System:**A1. Schedule-1: For SALBONI Press****Supply and work part**

Sl. No.	Item Description	Technical Specification/ Features	Unit	Qty	Remarks
1)	Distributed Fibre Optic Sensor Cable	Armoured single-mode multi-core fibre optic sensing cable.	Mtr.	50,000 (approx.)	As per Technical specifications. Township Perimeter is 8km (approx.)
2)	Controller	Optical sensing Dual Channel Controller.	Nos.	02	As per Technical specifications.
3)	Server	Intel Xeon Gold or better 5 th Gen or better (16 Core up to 3.9 GHz) or equivalent/ better. RAID-5/10 capable, 4K output, dual network interface, supports alarm linkage with DFOPIDS.	Lot	02	With all necessary Licenses (As per Technical specifications)
4)	Client Workstation and LED Display for monitoring	Intel i9 processor or better, with 27" or better, LED display full HD (1920 x 1080) or better for client workstation and 55" LED Display 4K or better for Monitoring display.	Lot	01	As per Technical specifications

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Sl. No.	Item Description	Technical Specification/ Features	Unit	Qty	Remarks
5)	Switch (12 Port, 1Gigabyte L2 Managed Switch with SFP Module copper + 4 SFP)	19" rack mountable switch with Min 8 x10/100/1000 Base-T port of POE + and 4x 1 G SFP+ ports with suitable AC/DC PSU; dual power inputs. 4 nos. 1G SM modules should be loaded.	Set	01	As per Technical Specification
6)	Rack & Accessories	Rack with cooling fan, cable manager, earthing kit, lockable doors.	Lot	01	For housing all active devices as per Technical specifications
7)	Earthing System	Maintenance-free chemical earthing with resistance $\leq 5\Omega$, copper bonded electrode, 3mtr length, backfilled with carbon and bentonite compound.	Nos.	20	For all electrical equipment's as per Technical specifications
8)	Lightning Arrestor	Outdoor type (Early streamer emission)/Conventional Lightning arrester.	Nos.	08	As per specifications
9)	Supply of HDPE pipe 50mm dia.	HDPE pipe required for laying armoured OFC cable from Township boundary wall to control room and any other required areas.	Mtr.	3000	Payment will be done on actual basis
10)	Supply of GI pipe 100 mm dia	GI pipe is required for road cutting/boring of road for laying of cable.	Mtr.	750	Payment will be done on actual basis
11)	Copper cable or suitable	For Relay connections in the perimeter area	Mtr.	7000	
12)	Trench digging	Trench digging, Boring of road/road cutting (bituminous road) for laying of armoured OFC cable with 100mm GI pipe, refilling, reconstructing of cut road as per IS standards	Mtr.	10000	Township Perimeter is 8km (approx.). Township boundary wall to control room and any other required areas. Payment will be done on actual basis

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Sl. No.	Item Description	Technical Specification/ Features	Unit	Qty	Remarks
13)	Miscellaneous	Any other miscellaneous items such as nylon UV protected heavy duty cable ties, Relay contacts, brackets, fixtures, clamps, route markers, patch cord, switches, suitable size rack for PDU controller, 24 port LIU for fibre cable termination, 4 channel KVM switch as required, OFC jointing kit, software, Licenses, etc. and works like drilling, welding, splicing etc. Any other material/work are not explicitly mentioned above and required to complete the project.	Lot	1	
14)	Installation, Testing & Commissioning	Complete installation of system and laying of pipe, cables and any other equipment's. Configuration, calibration of DFO-PIDS system, integration with VMS, and functional testing and any other support charges.	Lot	1	As per Scope of work and Technical specifications.
15)	Training	Training charges - Operation & Maintenance	Lot	1	

A2. Non-Comprehensive AMC

Sl. No.	Item Description	UOM	Qty.
1)	3 years post-warranty on call basis after warranty obligations includes quarterly visit and unlimited breakdown visit.	Lot	1

B1. Schedule-2: For MYSURU Press**Supply and work part**

Sl. No.	Item Description	Technical Specification/ Features	Unit	Qty	Remarks
1)	Distributed Fibre Optic Sensor Cable	Armoured single-mode multi-core fibre optic sensing cable.	Mtr.	50,000 (approx.)	As per Technical specifications. Township Perimeter is 7.5 km (approx.)

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Sl. No.	Item Description	Technical Specification/ Features	Unit	Qty	Remarks
2)	Controller	Optical sensing Dual Channel Controller.	Nos.	02	As per Technical specifications.
3)	Server	Intel Xeon Gold or better 5 th Gen or better (16 Core up to 3.9 GHz) or equivalent/ better.	Lot	02	With all necessary Licenses (As per Technical specifications)
4)	Client Workstation and LED Display for monitoring	Intel i9 processor or better, with 27" or better, LED display full HD (1920 x 1080) or better for client workstation and 55" LED Display 4K or better for Monitoring display.	Lot	01	As per Technical specifications
5)	12 Port, 1 Gigabyte L2 Managed Switch with SFP Modules (8 Copper + 4 SFP)	19" rack mountable switch with Minimum 8 x10/100/1000 Base-T port of POE + and 4x 1 G SF+ ports with suitable AC/DC PSU; dual power inputs. 4 nos. 1G SM modules should be loaded.	Set	01	As per Technical specifications
6)	Rack & Accessories	Rack with cooling fan, cable manager, earthing kit, lockable doors.	Lot	01	For housing all active devices as per Technical specifications
7)	Earthing System	Maintenance-free chemical earthing with resistance $\leq 50\Omega$, copper bonded electrode, 3mtr length, backfilled with carbon and bentonite compound.	Nos.	20	For all electrical equipment's as per Technical specifications
8)	Lightning Arrestor	Outdoor type (Early streamer emission)/Conventional Lightning arrester.	Nos.	08	As per specifications
9)	Supply of HDPE pipe 50mm dia.	HDPE pipe required for laying armoured OFC cable from Township boundary wall to control room and any other required areas.	Mtr.	1000	Payment will be done on actual basis
10)	Supply of GI pipe 100 mm dia	GI pipe is required for road cutting/boring of road for laying of cable.	Mtr.	200	Payment will be done on actual basis

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Sl. No.	Item Description	Technical Specification/ Features	Unit	Qty	Remarks
11)	Copper cable or suitable	For Relay connections in the perimeter area	Mtr.	7000	
12)	Road cutting	Trench digging, Boring of road/road cutting (bituminous road) for laying of armoured OFC cable with supply of 100mm GI pipe & 50 mm HDPE pipe, refilling, reconstructing of cut road as per IS standards	Mtr.	1200	Township boundary wall to control room and any other required areas. Payment will be done on actual basis
13)	Core cutting of surface and installation of OFC cable	Installation of buried OFC cable through bitumen road/concrete surface using core cutting of surface	Mtrs.	6500	For Mysuru Press Payment will be done on actual basis
14)	Soft soil digging and installation of OFC cable	Installation of buried OFC cable through soft soil	Mtrs.	1000	For Mysuru Press Payment will be done on actual basis
15)	Miscellaneous	Any other miscellaneous items such as nylon UV protected heavy duty cable ties, Relay contacts, brackets, fixtures, clamps, route markers, patch cord, switches, suitable size rack for PDU controller, 24 port LIU for fibre cable termination, 4 channel KVM switch as required, OFC jointing kit, software, Licenses, etc. and works like drilling, welding, splicing etc. Any other material/work are not explicitly mentioned above and required to complete the project.	Lot	1	
16)	Installation, Testing & Commissioning	Complete installation of system and laying OFC cable on concertina coil, Cable unwinding, Cable Lacing by Cable Tie, Splicing, Installation of Splicing Enclosures, Link Units, Termination Unit, Installation of HDPE Pipes for	Lot	1	Township Perimeter is 7.5 km (approx.). As per Scope of work and Technical specifications. Payment will be done on actual basis

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Sl. No.	Item Description	Technical Specification/ Features	Unit	Qty	Remarks
		gate areas, Installation of GI pipe, Installation of Racks and other equipments in the control room, electric power cabling etc. Configuration, calibration of DFO-PIDS system and functional testing and any other support charges.			
17)	Training	Training charges - Operation & Maintenance	Lot	1	
18)	FOPIDS integration with existing VMS of CCTV system		Lump sum	01	

B2. Non-Comprehensive AMC

Sl. No.	Item Description	UOM	Qty.
1	3 years post-warranty on call basis after warranty obligations includes quarterly visit and unlimited breakdown visit.	Lot	1

Important Note:

- 1) The BOQ enumerated above is indicative but not exhaustive. The payment shall be made as per actual quantity of supply and work carried out.
- 2) All minor miscellaneous works other than above BOQ, if required, for completing the project in all respects is under the scope of the Bidder. The miscellaneous works, if any, in addition to the above requested by BRBNMPL, bidder has to carry out the same at prevailing PWD rates with prior approvals from BRBNMPL.

Important points regarding Make & Model:

- a) For all BOQ/design required items, the bidders are advised to consider and submit the quote for any one make & model only, which are robust & reliable in all respects to meet our requirement for operation of system on 24x7 basis.
- b) During tender evaluation before/after price bid opening, if the OEM declares End of Sale of any equipment/hardware/software the bidder is allowed to substitute the same with equivalent or higher model complying to all tender technical specs without any financial implications to BRBNMPL. However, prior approval of BRBNMPL shall be obtained by providing required documents.
- c) During project execution/currency of the contract, if any of the equipment/hardware/software is declared End of Sale/support, the Contractor is allowed to substitute the same with latest model complying to all tender technical specs without any financial implications to BRBNMPL, subject to prior approval of BRBNMPL.

- d) The specifications mentioned in the tender are the bare minimum requirement. However, any superior technology/architecture conforming to our requirement offered by the bidder shall also be acceptable subject to submission of documentary proof. BRBNMPL's decision in this regard shall be final and binding.

Technical & General Notes:

- 1) All supplied components shall be industrial-grade and fully compliant with applicable IEC/ EN/ UL/ BIS safety and performance standards.
- 2) The system shall support seamless integration with the existing CCTV network through standard, open, and well-documented APIs.
- 3) The vendor shall provide complete system earthing, proper labelling of all components and cables, and detailed as-built documentation upon completion of installation.
- 4) All supplied equipment, installation practices, and system functionalities shall strictly adhere to the approved Technical specifications.
- 5) All required software licenses and system access rights shall be provide by the vendor. Licenses must be perpetual and issued in the name of BRBNMPL to ensure long-term operational continuity.
- 6) The BOQ items listed are indicative. Bidder must undertake a comprehensive site survey at BRBNMPL before submission of bid to assess the actual requirements and confirm quantities, layout, cable routes, and any additional components based on real site conditions. Payment shall be made on actual measurement basis.

* * *

Service Level Agreement (SLA) for Design, Engineering, Supply, Installation, Testing, Commissioning & Training and Non-Comprehensive AMC of an AI-Enabled Distributed Fiber Optic Perimeter Intrusion Detection System (DFOPIDS) at BRBNMPL, Salboni and Mysuru.

The following points are to be mentioned under SLA terms in addition to the standard terms & conditions.

Part-A:

1) Design, Engineering, Supply, Installation, Testing, Commissioning & Training of an AI-Enabled Distributed Fiber Optic Perimeter Intrusion Detection System (DFOPIDS).

- a) The FO-PIDS system shall be capable of pin-point detection of perimeter intrusion viz. climbing using ladder, breaking the wall, cutting existing concertina coil, digging underneath the wall, machine drilling/excavation etc. which causes vibration on the wall and ground.
- b) The pin-point intrusion alarm should be popped-up on the screen with details of virtual zone, map, pre and post video of intrusion from the nearby configured camera.
- c) The system should be capable of detecting multiple simultaneous intrusions in different virtual zones along with priority of alarms generation.
- d) The system should deploy AI/ML algorithm to distinguish between true intrusion and false intrusions due to environmental conditions etc. and minimization of false alarms.
- e) The system should be capable of determining the cause of alarm i.e. human intrusion, animal movement, vehicle movement, machine drilling etc.
- f) The system should deploy redundancy at controller level and sensing cable to ensure uninterrupted operation of FO-PIDS.
- g) The System is required to be fully operational round the clock on 24 x 7 basis.
- h) Supplier & offered system has to adhere to the BRBNMPL IT Policy.
- i) **Power supply:** System equipment should operate on 240V AC+/- 10%, 50 Hz. System working other than this voltage should be provided with suitable adaptor. Power supply unit shall be with hot standby. The power supply shall be suitably protected on the input side against over current and accidental reversal of polarity and on the output side against over current and over voltage.
- j) **UPS:** Suitable UPS with battery backup shall be provided by BRBNMPL. However, establishing of power cable network is in Contractor's scope.
- k) During the installation of the System, there should not be any interruption in the working of CCTV control room. All cabling works should be planned and executed without interrupting the existing network/power supply system.
- l) During tender evaluation or after Order placement and before delivery if the particular model of any Hardware or Software is declared End of Sale by the OEM then the latest model launched by the OEM which fulfils all technical requirements may be accepted without any financial implications to BRBNMPL. The request for the change in model must be accompanied by the declaration from OEM with supporting documents.
- m) Latest revision of all applicable IE rules and other regulations shall be followed and comply with all the Safety statutory requirements while executing this work.

- n) **Service Support during warranty / NCAMC:** Hardware and software service/ support for the entire FO-PIDS system should be provided by the Contractor during warranty and Non-Comprehensive Annual Maintenance Contract period.
- o) **Upgradations:** Any software up-gradations during the warranty is in the scope of the Contractor on free of cost basis.

2) Sequences/ Milestone:

FOPIDS implementation will be as under:

- a) Project Planning and drawing submission for approval.
- b) As per approved architecture/drawing, start of trench digging and OFC, CAT 6A and power cable laying.
- c) Supply and installation of all software, servers, controllers and network switches.
- d) Testing of installed FO-PIDS and commissioning as per approved architecture.
- e) Submission of Licenses for licensed software's and FAT of complete FO-PIDS performance, contractual obligation fulfilment including training and Issuance of FAC after successful completion of (a), (b) & (c) above.

3) Payment terms:

- a) 70% of the value of Material Supply part will be released on receipt and acceptance of material at site and on production of all required documents by the supplier. **70% payment will be released only after delivery of all items as per BOQ.**
- b) Balance 30% of the Material Supply part and 100% of Installation and commissioning charges will be released on successful installation, commissioning, training and final acceptance by the user department and after issue of FAC.
- c) The payment shall be made as per actual quantity of supply and work carried out.
- d) Statutory deductions as applicable shall be affected while making payment.
- e) The material will be received only with original Delivery Challan and Bill/Invoice. However, in exceptional cases, where the material is delivered with copies of Delivery Challan and Bill/Invoice, the payment shall be released only on receipt of following documents:
 - Original Invoice (sealed & signed)
 - Delivery challan
 - Manufacturer's Test certificate, if applicable
 - NEFT mandate as per Annexure-D, if not submitted earlier
- f) Payment shall be released through RTGS/NEFT only.
- g) Any revision (increase/decrease) in Statutory rates after opening of the tender will be paid at actuals on producing documentary evidence.

Any increase in statutory duties beyond scheduled delivery is not attributable to BRBNMPL and the same will have to be borne by the supplier.

- 4) Security Deposit (SD)/ Performance Security:** The supplier shall furnish performance security to BRBNMPL for an amount equal to 10% of the total value of the contract towards Design, Engineering, Supply, Installation, Testing Commissioning of DAS based FOPIDS including 3 years NCAMC within twenty-one days after the issue of LOI/NOA by BRBNMPL and valid up to the date of completion of all contractual obligations by the Contractor, including the warranty obligations plus claim period of 60 days.

5) **Liquidated Damages:** If the supplier fails to deliver any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract, BRBNMPL shall, without prejudice to other rights and remedies available to BRBNMPL under the contract, deduct from the contract price, as Liquidated Damages, a sum equivalent to the 0.5% percent of the delivered price of the delayed goods and / or services for each week of delay or part thereof until actual delivery or performance, subject to a maximum deduction of the 10% of the delayed 'goods' or 'services' contract price(s). During the above-mentioned delayed period of supply and / or performance, the denial clause shall also apply.

6) **BOQ: As mentioned above.**

7) **OTHER REQUIREMENTS**

- (i) **Documentation:** All relevant product information such as 3 sets of user manual, technical specification sheet etc. of all system components should be submitted. Also, layouts, as built diagrams & sketch, Operation & Maintenance Manual (Parts catalogue, spare list, Electrical Diagram, Electrical/Electronic components details, OEM manuals etc.). Installation guides, datasheets, all software (OS, Application software etc.), installation CDs with license copies to be handed over to BRBNMPL after commissioning. **Proposed Functional specification, proposed layout of system, network diagram shall be submitted at the beginning of project execution and get approved by BRBNMPL.** The documents generated for this project will be sole property of BRBNMPL and should not be used/divulged for any other purpose.
- (ii) **Software License:** All Software (OS/application) Licenses should be perpetual and in the name of respective BRBNMPL presses viz Salboni and Mysuru. The Contractor to provide a list of licensed software or hardware before acceptance of system.
- (iii) **Training to user:** The Contractor should provide the training to BRBNMPL Employees for a period of minimum two weeks for proper operation & maintenance and use of the FO-PIDS. The Contractor should also conduct on site annual refresher training during the period of warranty and NCAMC. The training should cover detailed system administration, configuration, trouble sensing and trouble-shooting. End-user training shall be provided to the specified number of personnel identified by the BRBNMPL at site
- (iv) **Tools and Tackles:** All tools & tackles, equipment and other required facilities for unloading, shifting of equipment to the workplace, erection & commissioning of the system shall be arranged by the Contractor.
- (v) The Contractor shall supply the miscellaneous materials like Cables, junction box, anchor fasteners, screws, bolts and nuts, clamps, suitable angles, cable ties etc. for cable laying and carry out associated minor works for successful completion of work. Contractor shall do any other related jobs that are not mentioned above, but found necessary at the time of execution to complete the project in all respect.
- (vi) The Contractor must provide a valid certificate of authorization for providing after sales service for all the Third-Party Equipment / Systems supplied from the OEM. The certificate should be in the letter head of OEM issued in the name of Contractor and must be valid till the completion of contract.
- (vii) **Modifications:** Supplier shall agree for any minor modifications in system installation (without having any additional financial implications to BRBNMPL) to match with specific requirement of BRBNMPL.

(viii) National / International standards for material: All materials supplied shall conform to applicable National / International standards of FCC, UL, CE, BIS, IEC, EN, ROHS etc. (wherever applicable).

8) Final Acceptance Test (FAT) and Final Acceptance Certificate (FAC)

As mentioned above.

Part-B:

Non-Comprehensive Annual Maintenance Contract of an AI-Enabled Distributed Fiber Optic Perimeter Intrusion Detection System (DFOPIDS):

Comprehensive maintenance of complete AI-Enabled Distributed Fiber Optic Perimeter Intrusion Detection System (DFOPIDS) is required during warranty period of 2 years from the date of Final Acceptance Certificate (FAC) and Non- Comprehensive AMC period of 3 years after expiry of warranty.

1) List of Equipment: As per BOQ

2) Scope of work:

- i) Non-Comprehensive maintenance of Distributed Acoustic Sensing (DAS) based Fibre Optic Perimeter Intrusion Detection System (FO-PIDS).
- ii) Quarterly visits with equal intervals to attend periodic preventive maintenance and to carry out health check of FO-PIDS system.
- iii) Preventive maintenance service (PMS) should cover the following activities.
 - External cleaning of controllers, servers, switches and work station with a soft muslin cloth, if required, internal cleaning should be done.
 - Dressing of loose cables, if required, in the CCTV room and across the township boundary wall.
 - Check functioning of controllers, servers, switches and work station & activated features and take corrective action, if necessary.
 - Check serviceability status of redundant controller and server.
 - Take application and data backup of FO-PIDS system.
 - Any other activities as specified during warranty and NCAMC period.
 - Periodic preventive maintenance service (PMS) report shall be submitted by the Contractor to the Maintenance-Utility Officer-In-charge of BRBNMPL
- iv) Attending to unlimited breakdown calls, as and when received via email/mobile/telephone etc.
- v) Attending to all software (OS & Application) related problems.
- vi) The Contractor has to provide breakdown maintenance service on all weekdays to keep the entire system in working condition on 24 x 7 basis.
- vii) The Contractor has to depute its technician when there is a complaint and need arises for all working days to attend the fault and he may be called on holiday if required. Mobile phone and telephone no. of technician are to be intimated for reporting the faults/breakdowns.
- viii) Contractor shall ensure safe, efficient and reliable maintenance of the FO-PIDS system.
- ix) Carrying out repairs of equipments/parts at our site / Contractor's workshop when found necessary, the same shall be made after getting written permission from BRBNMPL.

- x) Any software up-gradation as and when recommended by OEM shall be timely intimated to BRBNMPL for further action by BRBNMPL.
- xi) Up-gradation of any software / firmware to maintain the system operational and to comply with prevailing cyber security guide lines.
- xii) Periodic reporting of equipment status to BRBNMPL.
- xiii) All necessary tools and tackles, instruments, labour etc. are to be arranged by the Contractor at their own cost and risk.
- xiv) Any other works as per the instruction of BRBNMPL Officer in- charge for smooth operation of FOPIDS system.
- xv) Contractor shall have back to back service agreement with the OEMs for critical items like FOPIDS controllers, Servers, Switches and application software support during warranty.
- xvi) Contractor shall have back to back service agreement with the OEMs for critical items like FOPIDS controllers and Application software support during NCAMC period.
- xvii) During NCAMC contract period of 3 years, if the hardware/software goes out of support or not available, equivalent or better software/hardware needs to be recommended by the Contractor to ensure the system functions as per the requirement in tender.
- xviii) The Contractor shall be wholly responsible for breakdown or any mischief done by their staff and any loss to BRBNMPL shall be recovered from the immediate bill of the Contractor, balance if any from Security Deposit or otherwise to be paid by the Contractor.
- xix) The Contractor shall provide training on operation and maintenance of the system to the BRBNMPL maintenance team during preventive maintenance.

3) Liquidated Damages (LD):

The Company expects the Contractor to complete the scope of work as mentioned in tender within the timelines mutually agreed upon with the Company. Inability of the Contractor to either provide the requirements as per the scope or to achieve the expected Service Levels as defined below to meet the timelines agreed with the Company would be treated as breach of Contract and would invoke this clause. The rate of LD would be as mentioned below. Cap for aggregate of all penalties under the Agreement will be limited to 10% of the Total Contract value of NCAMC cost. In the event the timeframes are impacted due to delays caused solely by the Company, the Contractor will be given additional time (proportionate to the time lost due to the delay) to complete the activity and further, the Contractor will not be responsible for any penalties for such delay or resultant extension. The right to invoke the penalty clause is in addition to and without prejudice to other right available to the Company such as termination of this Agreement, invocation of the BG/SD and recovery of the expenditure incurred by the Company.

a) Details of Severity levels

- a.1. **Severe (S1):** Incidents that can have severe impact on operations affecting FOPIDS at large viz. complete shutdown of FO-PIDS System/Software wherein complete system is down, redundant server/controller fails to take over from primary server/controller falls under this category.

- a.2. Essential (S2):** Incidents that can have essential impact on the FOPIDS System affecting individual component or service, but do not impact FO-PIDS functioning as a whole system and have partial loss of PIDS services of a particular section/area/zone fall under this category. E.g. – OS/ application functioning of workstation, OFC network issues, network switch issue, Hard disk crash, unavailability of certain module/feature of application software, damaged OFC cable etc.
- a.3. Normal (S3):** Incidents that do not have much impact on the FOPIDS System as a whole but one or more low level components failure that does not result in loss of PIDS services fall under this category. E.g. – Network Switch port issue, Cat6 cable issue, SMPS issue etc.
- a.4.** The services shall be classified as in Table-01 below for the purposes of fault rectification, quarterly uptime commitment and levy of damages.
- a.5.** Downtime will be counted from the time of reporting the maintenance call till the resolution of the problem of Hardware or Software issue.
- a.6.** Severity Level of Calls logged will be decided based on the type of item / equipment and its impact on FO-PIDS System as defined above. In case of any discrepancies in deciding on Severity Level, Company's decision on Severity Level based on business impact shall be final.
- a.7.** Liquidated Damages shall be recovered on a quarterly basis for failure to maintain the committed uptime.

TABLE - 01 (Service Classification)

Severity Level	Response Time (time within which the Contractor should Respond from the time of reporting/call log)		Resolution Time (Time within which the Contractor should bring the service back to normal working Condition from the time of reporting/call log)		Quarterly Uptime Commitment in percentage
	On-call / Online support	Physical visit support	On-call / Online support	Physical visit support	
S1	04 hours	24 hours	10 hours	48 hours	99.50%
S2	24 hours	72 hours	48 hours	96 hours	97.00%
S3	48 hours	96 hours	60 hours	120 hours	95.00%

Note: Contractor has to strictly adhere to Quarterly Uptime Commitment in percentage as mentioned above subject to availability of spares provided by BRBNMPL.

Uptime Calculation

$$\text{Percentage Uptime} = \frac{(\text{Total Hours} - \text{Breakdown time})}{\text{Total Hours}} \times 100$$

Breakdown time will be calculated from the time of reporting/call log to Contractor. Breakdown time on account of unavailability of spares shall be waived-off for the calculation of Uptime.

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED*(Wholly owned subsidiary of Reserve Bank of India)*

P.O. RBNM, Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132

TENDER DOCUMENT FOR DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU**E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026**

Appropriate LD will be deducted from quarterly payment if the Contractor fails to maintain required service levels as mentioned below:

Sl. No.	Service Level Agreement	Target	Liquidated Damages imposed per percentage or any fraction thereof for not meeting the SLA commitment
1)	Uptime of Severity level S1	99.50%	• 99.50% or better = NIL • 98.50% to 99.49= 1% of quarterly bill amount • 97.50% to 98.49= 2% of quarterly bill amount • Less than 97.50%= 5% of quarterly bill amount
2)	Uptime of Severity level S2	97.0%	• 97.00% or better = NIL • 95.00% to 96.99= 1% of quarterly bill amount • Less than 95.00%= 3% of quarterly bill amount
3)	Uptime of Severity level S3	95.0%	• 95.00% or better = NIL • Less than 95.00%= 0.5% of quarterly bill amount

a.8. Liquidated Damages mentioned above are independent of each other and will be imposed concurrently subject to maximum 10% of total contract value.

a.9. Illustration on LD Calculation

Consider an item "A" for the quarter 01/04/2025 to 30/06/2025	
Assume this item "A" falls under severity level S2	
Total Amount of contract (₹)	10,00,000.00
Quarterly contract value (₹)	2,50,000.00

Performance of the item "A" during the quarter				
Month	Service Window	No. of working Days	Total Hrs. of Availability	Hypothetical down time in Hrs.
April-2025	24	30	720	70
May-2025	24	31	744	30
June-2025	24	30	720	50
Total:			2184	150

Calculation of Liquidated Damages as per SLA for the quarter					
Availability in Hrs.	Downtime in Hrs.	Committed uptime	Actual Uptime	Liquidated Damages applicable	LD Amount (₹)
2184	150	97%	93.13%	3% of quarterly bill amount	7,500

4) **Termination:** Applicable as per GCC

5) Payment terms:

- Payment during NCAMC period shall be made on quarterly basis upon satisfactory execution of the contract and submission of bills with all supporting documents.
- The Contractor shall raise the bill in the 1st week of succeeding quarters for release of payment after fulfilling all the necessary formalities.

- c) Payment shall be made within 30 days of submission of bill subject to submission of all supporting documents.
- d) Liquidated Damages, if any, shall be deducted from quarterly bills.
- e) Statutory Deductions shall be made at source as per prevailing rules.
- f) The work order price shall remain fixed, firm, and binding for the entire duration of the NCAMC contract period, and shall not be subject to any escalation on any grounds. However, any statutory revision in Goods and Services Tax (GST) or other applicable taxes shall be reimbursed at prevailing rates, subject to submission of valid documentary evidence in support of such revision.

6) Details of Performance Security:

Security Deposit of **10%** of total contract price including NCAMC (03 years) to be submitted within 21 days from issuing of NoA/LoI and valid till completion of NCAMC (03 years) plus 60 days claim period. The same shall be released after completion of all contractual obligations pertaining to warranty including NCAMC. However, NCAMC will be renewed on annual basis subject to satisfactory performance of the Contractor.

7) Recovery & Rectification of work:

- a) In the event that the Contractor fails to attend to any issue or breakdown during the Warranty/Defect Liability Period, BRBNMPL reserves the right to rectify the same through an alternate agency. All expenses incurred in this regard shall be recovered from the Contractor without prejudice to BRBNMPL's other rights under the contract.
- b) If during warranty/NCAMC period the work/services are not completed in all respect or delayed beyond reasonable time or the Contractor discontinues the work/services abruptly, then BRBNMPL reserves the right to get the remaining work / uncompleted work and services done through any other agency at the risk and cost of the Contractor. In such case, the pending claims and Security Deposit of the Contractor shall be forfeited.
- c) The Contractor shall communicate to the Company for resolution of any problems in achieving the required Service Levels, where such problems are the result of actions or inactions of third-party and shall obtain prior permission.

Common for Part A and B

- 1) Spares and Service Support:** The Contractor shall attend periodical and breakdown maintenance of the system during the warranty period without any additional cost to BRBNMPL. Also, the Contractor shall **ensure spare support for minimum period of Five years from the FAC date.**

2) Manpower deployment:

- a) The Contractor should deploy technically qualified service engineer during quarterly preventive and breakdown maintenance of FOPIDS system **during warranty and NCAMC period.**
- b) Contractor shall take care of insurance coverage of their Service Engineer, while deploying at our office for preventive as well as breakdown maintenance.
- c) The Contractor has to provide the details of the persons in advance, which they will be deploying for preventive as well as breakdown maintenance

- 3) **Escalation matrix:** Escalation matrix of the Contractor with all details like name, designation, contact no. etc. shall be provided before commencing the AMC service and shall be updated
- 4) **Other requirements:**
- a) **Training:** The Contractor shall conduct onsite annual refresher training during the period of warranty and NCAMC. The training should cover detailed system administration, configuration, trouble sensing and trouble-shooting. End-user training shall be provided to the specified number of personnel identified by the BRBNMPL at site.
- b) **Tools and Tackles:** All tools & tackles, measuring instruments etc. that are required for carrying out the maintenance of FOPIDS have to be arranged by the Contractor.
- c) **Responsibility against damage caused:**
- The Contractor shall be responsible for any damage caused to the existing system due to (1) Lack of knowledge (2) Wrong Operation (3) Mishandling (4) by Intentional act by its employee and Contractor has to pay entire amount/charges for repair / replacement which is limited to total value of the contract value. However, Contractor shall not be liable for any consequential loss arising out of or connected with this contract in anyway whatsoever.
- d) **Repairs involving External Agencies:**
- In the event that any work requires the involvement of an external agency, the Contractor must inform BRBNMPL well in advance and obtain the necessary permission. However, if BRBNMPL decides to engage an external agency for rectifying, modifying, or improving the system, the Contractor shall cooperate and coordinate with the external agency. Any work that is not covered under this AMC but is necessary for the proper functioning of the system shall be carried out by the Contractor with prior approval from BRBNMPL, and the associated costs will be reimbursed by BRBNMPL.
- 5) **Safety & Security Measures:**
- a) The Contractor should scrupulously conform to the Safety and Security norms as stipulated in Karnataka State Factories Act & West Bengal State factories and relevant norms in force, while working in the security area.
- b) Any untoward incident arising out of improper supervision or inadequate safety measures will be the sole responsibility of the Contractor.
- c) BRBNMPL is a security organization and the Govt. of Karnataka at Mysuru & Govt. of West Bengal at Salboni has declared the premise as Prohibited Area. Hence, the Contractor has to abide by the security rules of the Company. The Contractor has to ensure the character and antecedent of the persons deployed. The Contractor must be in a position to produce such documents whenever he is asked to do so. Details shall be furnished as per the format when called for. Contractor should apply for gate pass for their service engineer, work permit and material entry pass etc. as per approved format only, well in advance to avoid any delay in issue of gate passes and work permit.

- d) BRBNMPL reserves the right to get the antecedents of the employees deployed verified through police. The charges for verification shall be borne by the successful Contractor. Any employee of the successful Contractor, if found as unsuitable or having doubtful integrity or associated with any other job, shall be removed from the premises at the risk and cost of the successful Contractor. The successful Contractor shall vouch for the integrity of its workers.
- e) The Contractor shall sign the Non-disclosure format and abide **Non-disclosure clause by not revealing any secured information to any party not related to our FOPIDS system.**
- f) While applying for pass, the successful Contractor must enclose copy of address proof (Aadhar card/Voters ID card/Ration Card/Driving License/Passport etc.), for whom gate pass has been requested. The request shall be made in the format prescribed by BRBNMPL.

6) Responsibility of the Contractor:

- a) The Contractor shall be responsible for any damage to property and machines, etc., arising out of operations in connection with the agreement. The cost of repairing such damage may be recovered from the Security Deposit furnished by the Contractor or by deduction from the Contractor's bill or from any other payment due to the Contractor or in any other manner. The Contractor shall also indemnify the Company against any loss or damage caused by the negligence on the part of the Contractor and in particular.
- b) In case of any damages caused by the Contractor to any of the software/hardware equipment owned by the Company, the Contractor has to bring it back to working condition by either replacing the required new spares or with brand new equipment and for software the Contractor has to bring it back to the original condition by re-installation of software to the satisfaction of the Company.
- c) The Contractor is expected to reply to all queries / complaints that may be raised by the Company from time to time. Evasive attitude by the Contractor would subject the contract being terminated or non-renewal of further contracts with the Contractor.

7) Assignment:

The Contractor shall not subcontract the whole of the work or a substantial part thereof during warranty and NCAMC.

8) Intellectual Property & Confidential Information:

The related Parties shall agree that all details, plans, documentation, specifications, schedules, programs, reports and provision of operations pursuant to this Contract (hereinafter referred to as "Proprietary Material") which have been or are hereafter written, originated or made by any of them or any of their respective employees by the persons related to the Contractor in connection with this contract shall be owned by and be the property of the BRBNMPL. The determination of information as Proprietary Material shall be made at the sole discretion of BRBNMPL.

9) Confidentiality:

- a) The Contractor shall cause the persons related to the service contract not to, without the prior written consent of the Authority, at any time, divulge or disclose to any person or use for any purpose unconnected with the operations, proprietary material, Press operations under this contraction.

- b) The Contract shall, whenever required take necessary steps to ensure that all persons employed by it, under this Contract comply with the Indian Official Secrets Act 1923 (XIX of 1923) and agree that it applies to them and shall continue to apply even after completion of this Contract.
 - c) No photographs of the Press or System or any part thereof or equipment employed thereon shall be taken or permitted by the Contractor to be taken by any of its employees without the prior approval of Authority in writing and no such photographs shall be published or otherwise circulated without the approval of the Authority.
- 10) Legal jurisdiction:** All disputes arising out of or anyway connected to this contract shall be subject to jurisdiction of The Court of Mysore (Karnataka state).
- 11) IMS Requirements:** BRBNMPL is an ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 organization. The Contractors/suppliers should strictly comply with all the IMS norms. Contractor has to follow all the Security, ISO procedures and rules of BRBNMPL.
- 12) General terms & conditions:**
- a) BRBNMPL's contract is exclusively with the Contractor, and instructions will be given directly to them. BRBNMPL will not be responsible for the employment conditions of the Contractor's staff deployed at the site for the performance of this contract. However, for security reasons, the Contractor must ensure that their deployed staff adheres to all rules, regulations, and security restrictions prescribed by BRBNMPL from time to time.
 - b) Contractor will take the total responsibility of safety of the staff deployed during execution of this contract.
 - c) In case of any loss / losses are caused to BRBNMPL on account of non-fulfilment and /or non-compliance of any obligations, statutory or otherwise, on their part, BRBNMPL shall have full right to make adjustment for the said losses from the bills payable.

I. Abbreviations / Definitions:

- a) BRBNMPL: Bharatiya Reserve Bank Note Mudran Private Limited
- b) BOQ: Bill of Quantities
- c) CPWD: Central Public Works Department
- d) WBPWD: Public Work Department, Government of West Bengal
- e) Dia: Diameter
- f) DPR: Daily Progress Report
- g) DRG: Drawings
- h) FL: Floor Level
- i) GL: Ground Level
- j) IS: Indian Standard
- k) ISI: Indian Standard Institute
- l) KG: Kilogram

- m) M: Meter
- n) MB: Measurement Book
- o) e-MB: Electronic Measurement Book (MS Project or Excel in a format Approved by BRBNMPL)
- p) PCC: Plain Cement Concrete
- q) RCC: Reinforced Cement Concrete
- r) WO: Work Order
- s) Local Office: BRBNMPL Salboni (Schedule 1)
- t) Local Office: BRBNMPL Mysuru (Schedule 2)
- u) BRBNMPL: Official of BRBNMPL Salboni and Official of BRBNMPL Mysuru duly authorized by The General Manager for Execution of Project (DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU respectively).
- v) Contractor/Supplier: The Successful Bidder of this Tender.

II. GENERAL

- a) The Contractor shall take instructions from BRBNMPL regarding collection and stacking of materials in any place. Unserviceable materials shall be stacked such that it does not hamper the day-to-day movement of people/office staff/ visitors etc.
- b) BRBNMPL is ISO 9001 – 2015, ISO 14001: 2015 and ISO 45001: 2018 certified company. The Contractor in all respects shall organize his work, systems, environment, process control documentation, tools, plant, inspection, measuring and testing equipment's etc. as per instructions of BRBNMPL.
- c) The Contractor shall also comply with applicable legislation and regulations with regards to Health, safety and environmental aspects for minimizing risk arising from occupational health, safety hazards, controlling pollution and wastage.
- d) BRBNMPL may depute their representative for checking and supervision of important stages of work. The Contractor shall be required to provide all facilities for inspection of works at no extra cost to BRBNMPL. Any defect in quality of work or deviations from specifications pointed out during such inspection shall be made good by the Contractor in the same way as if pointed out by BRBNMPL, without any cost implication to BRBNMPL.
- e) All works shall be taken over by BRBNMPL in part or in full when it has been completed in all respects and /or can be put to use satisfactorily. The complete work under the contract shall be taken over only after completion of all pending work, rework wherever required, site clearing and reconciliation of materials.
- f) Defects Liability Period (DLP) period shall start only after the complete work under the contract has been taken over by BRBNMPL.
- g) Supplied material, if found unsatisfactory by BRBNMPL Official, will be liable for rejection and Contractor has to replace the same immediately with new material up to satisfaction of BRBNMPL Official without any extra cost.
- h) The Contractor has to maintain daily progress register for the job.
- i) BRBNMPL reserves the right to interpolate or extrapolate the rate for any new item of work, not covered in Schedule of Rates, from the similar items already available in schedule of rates.

- j) Tools & Tackle: No tools, machines, fabric, manpower or otherwise required in the satisfactory execution of Contract shall be provided by BRBNMPL, Salboni. Contractor shall furnish all tools & tackles, instruments, supervisory personnel, labour, materials, consumables and everything necessary, whether or not such items are specifically stated herein for completion of the job in accordance with the requirements of the Contract and nothing extra shall be payable in this regard.
- k) The Contractor shall afford every reasonable facility for carrying out all works relating to civil works and other ancillary works in the manner laid down in the said conditions, and shall make good any damages done to walls, floors etc. after the completion of such works.
- l) BRBNMPL reserves to itself the right of altering the nature of the work by adding to or omitting any items of work or having portions of the same carried out without prejudice to this contract.
- m) **Responsibility against damage caused:** The Contractor shall be responsible for any damage caused to the existing system/ property due to (i) Negligent Act (ii) Wrong Operation (iii) Mishandling by Contractor's employees and Contractor has to pay the entire amount / charges for repair / replacement.
- n) The tenderer should preferably visit the site to ascertain the working conditions & local authority regulations / restrictions if any and other information required for proper execution of work.
- o) The successful bidder is required to coordinate his works along with other agencies working at site and has to reimburse any of the damage made by him or any of his representatives for any of the other agency or owner at site.

III. Facilities and Utilities at Site:

- a) **Electricity:** Depending upon the requirement of Electric Power, the Contractor may be allowed to draw power from a prescribed point. However, necessary arrangement for drawing the same to work site including Cables, Energy Meter, Circuit Breakers, and Display Lamps etc. shall be borne by the Contractor at his own cost. Electricity will be charged at prevailing commercial rate of BRBNMPL.
- b) **Water for Construction Purposes:** The Contractor shall make his own arrangements for construction water. However, based on availability, Reject Water of WTP or STP may be issued to the Contractor on specific request to BRBNMPL. The necessary arrangement and expenses to take the issued water up to Site shall be borne by the Contractor. Due care should be taken to minimize wastage of Water.
- c) **Water for Drinking Purposes:** The Contractor shall make arrangement for Temporary Storage, Dispensing of Drinking Water to Labour, Engineers, and Workers at site. Drinking Water may be drawn from nearest available point on prior permission from BRBNMPL.
- d) **Sanitation Facilities:** The Contractor shall make arrangement for Urinals / Toilets / Sanitation to keep the Site and Nearby Areas Open Defecation Free (ODF).

IV. Responsibilities of the Contractor:

- a) The Contractor shall obtain all registration(s)/permission(s)/license(s), etc. which are/may be required under any labour or other legislation(s) for providing the services under this Agreement.

- b) The Contractor shall undertake to comply with the applicable provision of all welfare legislations and more particularly with the Contract Labour (Regulation and Abolition) Act, 1970, if applicable, for carrying out the purpose of this Agreement. The Contractor shall further observe and comply with all Government Laws concerning pay all sums of money to such staff as may be required to be paid under such laws. It is expressly understood that the Contractor is fully responsible to ascertain and understand the applicability of various Acts and take necessary action to comply with the requirements of Law.
- c) The Contractor shall at all times indemnify and keep indemnified BRBNMPL against any/all claims of/by its employees including but not restricted to the claims under the Workmen's Compensation Act, 1923; Payment of Wages Act; Payment of Bonus Act; Employees' Provident Funds & Miscellaneous Provisions Act; Payment of Gratuity Act, Minimum Wages Act, Employees' State Insurance Act or any other Act(s) or statutory modifications thereof or otherwise for or in respect of any claim for damage or compensation payable in consequence of any accident or injury sustained by any worker or other personnel of the Contractor or in or any other laws or rules made there under, by any person, whether in the employment of the Contractor or not, who provided or provides the said services under the Agreement.
- d) It is clearly understood by the Contractor that the persons employed by the Contractor for providing services as mentioned herein, shall be the employees of the Contractor and not of BRBNMPL. The number of persons to be employed and the individual person to be employed for providing the said services shall be decided by the Contractor who shall be liable to make payments to its said employees towards their monthly wages/salaries and other statutory dues like EPF, ESI, minimum wages, Bonus, Gratuity, uniform, PPE, etc.
- e) That the employees/personnel of Contractor rendering the services under this Agreement, shall never be deemed to be the employees of BRBNMPL in any manner whatsoever and shall not be entitled for employment, salary/wages, damages, compensation or anything arising from their deployment by Contractor for rendering the said services.
- f) The services to be rendered by the Contractor under the Agreement will be under close supervision, co-ordination & guidance of BRBNMPL. The Contractor shall frame appropriate procedure for taking immediate action as may be advised by BRBNMPL from time to time.
- g) BRBNMPL shall always have the right to conduct a search of the Contractor's employees/agents and/or any of their vehicles used for transportation of materials while entering/going out of the factory premises or inside the premises.
- h) If BRBNMPL notices that the personnel of the Contractor has/have been negligent, careless in rendering the said services, the same shall be communicated immediately to the Contractor who will devise corrective steps immediately to avoid recurrence of such incidents and report to BRBNMPL its action plan.
- i) If any of the personnel of the Contractor indulges in theft or any illegal/irregular activities, misconduct, the Contractor will take appropriate action against its erring personnel and intimate accordingly to BRBNMPL.
- j) The employees/agents of the Contractor shall never be considered to enjoy any right to enter the premises of BRBNMPL by virtue of this Agreement or otherwise at any time except with the permission of BRBNMPL.

- k) In the event of failure of the Contractor to provide the services or part thereof, as mentioned in this Agreement for any reasons whatsoever, BRBNMPL shall be entitled to procure services from other sources and the Contractor shall be liable to pay forthwith to BRBNMPL the difference of payments made to such other sources, besides damages at double the rate of payment for the period of failure in providing the services or part thereof.
- l) If, at any time, during the operation of this Agreement or thereafter BRBNMPL is made liable in any manner whatsoever by any order, direction or otherwise of any Court, Authority or Tribunal, to pay any amounts whatsoever in respect of or to any of the present or ex-personnel of the Contractor or to any third party, the Contractor shall immediately pay to BRBNMPL all such amounts and costs also and in all such cases/events the opinion of BRBNMPL shall be final and binding upon the Contractor. BRBNMPL shall be entitled to deduct any such amounts as aforesaid, from the security deposit and/or from any pending bills of the Contractor and if such amount is not fully recovered, BRBNMPL shall be entitled to recover the balance amount through legal recourse.
- m) The Contractor should agree to absolve BRBNMPL from all the liabilities in regard to any statutory enactments to the extent applicable to the service provided by the Contractor. It is clearly understood that should BRBNMPL be called upon to make any payment to any Authority, the Contractor shall reimburse such amounts to BRBNMPL whether such liability arises during the currency of this agreement or after expiry of the period of this agreement. If there would be any claim on BRBNMPL for any default of the Contractor or its employees committed during the operation of this Agreement, the Contractor shall pay such amount on demand without protest.
- n) If Contractor commits breach of any covenant or any clause of this agreement, BRBNMPL may send a written notice to the Contractor to rectify such breach within the time limit specified in such notice. In the event the Contractor fails to rectify such breach within the stipulated time, the Agreement shall forthwith stand terminated and the Contractor shall be liable to BRBNMPL for losses or damages on account of such breach.
- o) The Contractor shall give the services on all days during the period of contract as per BRBNMPL's requirement.
- p) All the above services and any other work of similar nature, which will be entrusted to the Contractor from time to time by BRBNMPL, are to be rendered without causing any hindrance or disturbance to any staff member of BRBNMPL working during the normal working hours. The work shall be carried out efficiently, in consonance and in conformity with the standards of neatly and hygienically maintained premises.

V. Cleanliness of Site: Contractor is required to ensure complete cleanliness at the site. Debris and residue generated during the day's work should be disposed of at a place outside the premises and land (property) of BRBNMPL, Salboni immediately to the satisfaction of BRBNMPL.

VI. Statutory Compliance:

- a) Compliance of all statutory obligations, for the respective States of West Bengal and Karnataka are applicable. The obligations for West Bengal State are appended below:
 - (i) The West Bengal Co-operative Societies Act, 2006
 - (ii) The Contract Labour (Regulation & Abolition) Act, 1970 and the Central Rules 1971
 - (iii) The Building and Other Construction Workers' (Regulation of Employment and Conditions of Service) Act, 1996

- (iv) The Employees State Insurance Act 1948, Rules and regulations 1950 (and as amended time to time).
- (v) West Bengal State Tax on Professions, Trades, Callings and Employments Act, 1979
- (vi) The West Bengal Labour Welfare Fund Act, 1974
- (vii) The Payment of Wages Act 1936
- (viii) The Minimum Wages Act, 1948, & Rules 1958 and its amendment
- (ix) The Payment of Bonus Act, 1965 and its amendment
- (x) The Employees Provident Fund & Miscellaneous Provisions Act, 1952 and its amendment
- (xi) The Workmen's Compensation Act 1923
- (xii) The Contractor's All Risk Policy (CAR Policy)
- (xiii) The Child Labour (Prohibition & Abolition) Act, 1986
- (xiv) The Construction and Demolition Waste Management Rules, 2016
- (xv) The Solid Waste Management Rules, 2016
- (xvi) The Environment Protection Act, 1986 and its amendment
- (xvii) The Motor Vehicles Act, 1988, The Motor Vehicle (Amendment) Act, 2019 and the Rules made thereunder
- (xviii) The Goods and Services Tax Act, 2017 and its amendments (if any)
and/or any other relevant Act(s) will be deemed to be part of this Contract and the Contractor shall be directly responsible to the Authorities there under for Compliances of the Provisions under the aforesaid Acts. In case of any breach of any Law, Rules, Notifications applicable to the employees of the Contractor, the Contractor alone shall be responsible and liable for any Act(s) of omission and/or commission committed by any employee, agent, representative, attorney, person(s) engaged / employed by him for discharging the obligations under this Agreement.
- b) The Contractor shall obtain appropriate Labour License under the Contract Labour (Regulation and Abolition) Act, 1970 and the Central Rules, 1971 as amended up to date and shall comply with all the terms and conditions thereof strictly and shall keep such license duly validated and / or renewed from time to time throughout the currency of this Agreement.
- c) The Contractor shall not appoint any Child Labour.
- d) The ESI / Workmen Compensation and suitable Medical Insurance Policy including BOCWW Cess: The Contractor should cover its employees / workmen under the ESI coverage. In the absence of ESI for non-implemented areas & non-covered employees, the Contractor shall undertake Workmen Compensation Insurance to take all the liability under the Workmen's Compensation Act, 1923. The total premium shall be borne by the Contractor. The Contractor shall submit the relevant document pertaining to the payment of premium along with a copy of Insurance Policy to us within fifteen days from the date of issue of Contract and also an undertaking towards payment of BOCWW Cess, wherever applicable.

VII. Incompletion / Discontinuation of work:

- a) If the work is not completed in all aspects or delayed beyond reasonable time or Contractor discontinues the work abruptly, then BRBNMPL reserves the rights to get the remaining work/incomplete work done through any other agencies at the risk and cost of the Contractor. In such cases, the pending claims and Security Deposit of the Contractor shall be forfeited.

- b) BRBNMPL Official may, without prejudice to his any other rights or remedy against the Contractor in respect of any delay, inferior workmanship, any claims for damages and/or any other provisions of this contract or otherwise, and whether the date of completion has or has not elapsed, by notice in writing absolutely determine the contract in any of the following cases:
- (i) If the Contractor having been given by BRBNMPL Official a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in an inefficient or otherwise improper or unworkman like manner shall omit to comply with the requirement of such notice for a period of seven days thereafter.
 - (ii) If the Contractor has, without reasonable cause, suspended the progress of the work or has failed to proceed with the work with due diligence so that in the opinion of BRBNMPL Official (which shall be final and binding) he will be unable to secure completion of the work by the date for completion and continues to do so after a notice in writing of seven days from BRBNMPL Official.
 - (iii) If the Contractor fails to complete the work within the stipulated date or items of work with individual date of completion, if any stipulated, on or before such date(s) of completion and does not complete them within the period specified in a notice given in writing in that behalf by BRBNMPL Official.
 - (iv) If the Contractor persistently neglects to carry out his obligations under the contract and / or commits default in complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by BRBNMPL Official.

VIII. Safety Measures:

- a) The Contractor should scrupulously conform to the safety and security norms as stipulated by BRBNMPL, while working in the security area.
- b) The Contractor shall take all the precaution while executing this work. Protective gear such as Safety Helmets, Boots, Belts, Gloves. PPE masks etc. shall be provided by the Contractor at his own cost to all his workers at site. It shall be the responsibility of the Contractor to ensure that such protective gear is worn at all times by all personnel working at site. BRBNMPL shall have the right to stop any person not wearing such protective gear from working on the site.

IX. Deviation, Extra items and Pricing:

- a) In the case of deviation / variation of quantity of the BOQ items, these shall be paid as per the rate mentioned in the Contract.
- b) In case of extra items (items that are completely new), Contractor may claim rates supported by proper analysis for the work and BRBNMPL on receipt of the claims supported by proper analysis, after giving consideration to the analysis of the rates submitted by the Contractor, determine the rates on the basis of the market rates or rates mentioned in the WBPWD or CPWD rate schedules.
- c) Payment of Extra items in case of non-schedule items (Non WBPWD OR Non CPWD items) shall be made as per the prevailing market rate on submission of proper market rate analysis by the Contractor with proper justification of rates.

- X. Sub Contracts:** Sub contracting either before or after participation is **not allowed** for this tender. This contract is to be executed **only by the successful bidder** to whom the order will be issued.

XI. Security Norms, Rules and Regulations:

- a) BRBNMPL is a Security Organization and the premise is declared as 'Prohibited Area' by the Govt. of West Bengal. Hence, the Contractor has to abide by the security rules of BRBNMPL. The Contractor has to ensure the character and antecedent of the persons deployed. The Contractor must be in a position to produce such documents, whenever he is asked to do so. Any employee of the Contractor, if found by BRBNMPL as unsuitable or having doubtful integrity, shall be removed from the premises at the risk and cost of the Contractor. The Contractor shall vouch for the integrity of the employees engaged by the Contractor.
- b) While applying for pass, Contractor must enclose copy of address proof (Aadhaar Card or Voter ID card or Ration Card or Driving License or Passport etc.) for all the workers for whom Gate Pass has been requested. The details shall be submitted in the below format:

Sl. No.	Name of Persons	Father's name	Age	Present Address	Identification mark	Signature of the individual

- c) It may please be noted that only RTO authorized vehicles shall be allowed inside BRBNMPL, Salboni premises and unauthorized vehicles like engine trolley / van etc. shall not be allowed inside the premises.

XII. Accommodation / Office: On specific request from the Contractor, subject to the availability BRBNMPL may provide space at a prescribed rent & other charges like electricity, garbage cleaning etc. in accordance with the prevailing rules of BRBNMPL to allot such accommodation. A separate agreement has to be executed in this regard. The Contractor must always be in a position that whenever any directive for vacating of said premise is issued, he shall, without raising any objection, peacefully vacate the same. The Contractor is liable for any misconduct by residing persons, cleanliness and damage of the property.

XIII. Prevention of Sexual Harassment of Women at Workplace: The Service Provider / Contractor shall be solely responsible for full compliance with the provision of "the Sexual Harassment of Women at Work place (Prevention, Prohibition and Redressal) Act, 2013".

- a) In case of any complaint of Sexual harassment against its employee/s within the premises of BRBNMPL, the complaint will be filed before the Internal Complaints Committee constituted by the Service Provider / Contractor and they shall ensure appropriate action under the said Act in respect of the complaint.
- b) Any complaint of sexual harassment from any aggrieved employee of the Service Provider / Contractor against any employee/s of the BRBNMPL shall be taken cognizance of by the Internal Complaints Committee constituted by BRBNMPL, Bengaluru / Salboni / Mysuru (as applicable).
- c) The Service Provider / Contractor shall be responsible for any monetary compensation that may need to be paid in case the incident involves the employee of the Service Provider / Contractor, if sexual harassment / violence by the employee of the Service Provider / Contractor is proved.
- d) The Service Provider / Contractor shall be responsible for educating its employee about prevention of sexual harassment at workplace and related issues.

Note to Bidders:

- (i) **If any clarification is required, bidders are advised to visit us, with prior permission, to understand our requirement before submitting their quote.**
- (ii) The bidders shall provide the required details, information, confirmations, etc. accordingly, failing which their tender is liable to be ignored.
- (iii) Bidders shall comply with Scope of Work [including Defects Liability Period (DLP) Obligations] and shall submit “Scope of Work – Compliance” with their Technical Bid as per the format prescribed in the tender.

Technical Specifications & Scope of Work – Compliance

[To be Filled, Signed and Stamped by the authorized signatory of bidder and submitted along with Techno-commercial Bid Part -I]

Technical Specification for AI-Based Distributed Fiber Optic Perimeter Intrusion Detection System (DFOPIDS):

We confirm that on being successful in the tender, we would execute the contract exactly as per the Technical Specifications & Scope of work (Section-VII) and all other terms and Conditions of the Tender.

I) Detailed Technical Compliance:

Bidder has to provide complete technical details of the offered components. Only mentioning YES / NO in the compliance is not acceptable. Cross references to proper technical datasheets / spec sheet / website links need to be provided against each parameter.

A. DAS Controller

Sl. No.	Parameter	Specification	Compliance (Yes / No)	Page No. of data sheet/ supporting document
1	System type	True phase based Coherent Rayleigh OTDR for Distributed Acoustic Sensing (DAS)	Yes / No	
2	Compatibility for both over ground and Buried installations	The system shall support both fence and buried installation	Yes / No	
3	Function	Real-time monitoring, event detection, location and classification for perimeter intrusion with adjustable sensitivity thresholds.	Yes / No	
4	100% Intelligent Redundancy	There shall be no single point of failure of the hardware (Controller and all associated hardware), given that failure of the controller can be catastrophic and brings the entire protection down. The system shall support 100% intelligent Hardware redundancy, Auto data synchronization, Auto health check, Easy configuration with High Reliability.	Yes / No	
5	Compatibility	Fully compatible with standard single mode fiber (SMF) (ITU-T G652.D/655 or equivalent/better)	Yes / No	

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Sl. No.	Parameter	Specification	Compliance (Yes / No)	Page No. of data sheet/ supporting document
7	Detection range	Minimum 50 km/channel or better to ensure precise event localization along each channel	Yes / No	
8	Optical channel	Dual channel, two independent channels shall be capable of operating simultaneously without performance degradation	Yes / No	
9	Zone functionality	System should be capable of creating separate zones within the perimeter and monitoring them in the Control Room	Yes / No	
10	Zone length	The length of a Zone shall be variable and should be software defined depending on the site conditions and as per the user requirement	Yes / No	
11	Nuisance alarm rate (NAR)	As low as possible, aided by advanced classification algorithms based on artificial intelligence and pattern recognition (AI/ML). The system shall reject most weather-related vibrations, such as wind & rain, and vehicular noise. The sensitivity should be adjustable and scalable	Yes / No	
12	Cut Immunity	In a cut-immune installation, the system shall protect the entire perimeter even when the cable is cut at one location. If the cable is cut at two locations, then only the cable in between the cuts shall lose protection. The system should generate a separate cable cut alarm which should be shown in operator display	Yes / No	
13	Detection types	The system shall be capable of detecting attempts to breach the perimeter in various intrusion scenarios, which shall not be limited to following scenarios: Perimeter wall deployment along the concertina coil:		

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Sl. No.	Parameter	Specification	Compliance (Yes / No)	Page No. of data sheet/ supporting document
		a) Fence Climbing b) Fence Cutting/ Drilling the perimeter wall c) Fiber Cutting d) Sabotaging the Fence Underground deployment: a) Manual Digging b) Machine Digging c) Tunnelling d) Walking e) Running f) Crawling g) Heavy Vehicle Movement	Yes / No	
14	Detection Selectivity	The PIDS system shall be capable of detecting intrusion events separately in each Zone i.e. simultaneous reporting of intrusions for more than two zones	Yes / No	
15	Sensitivity adjustment	Calibration software shall be capable of filtering out local disturbances and spurious / false alarms to maximum extent. The detection threshold shall be tuned using software, based on the weather disturbances and surrounding default noise sources.	Yes / No	
16	Form factor	19" rack mount	Yes / No	
17	Application environment	Suitable for 24x7 continuous operation	Yes / No	

B. Application Software

Sl. No.	Parameter	Specification	Compliance (Yes / No)	Page No. of data sheet/ supporting document
1	GUI	Windows/Linux based graphical user interface (GUI), accessible locally or via remote desktop	Yes / No	
2	Features	Dashboard View: Graphical overview of perimeter status, including sensor status, alarms, and active zones	Yes / No	
3		Interactive Map: Schematic layout of the monitored area with real-time		

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Sl. No.	Parameter	Specification	Compliance (Yes / No)	Page No. of data sheet/ supporting document
		sensor status indication. Provision for real-time map-based visualization of perimeter should be available. Map based monitoring can be through online/offline maps as per requirement	Yes / No	
4		Notification Pop-ups: Instant alerts for any breach or sensor malfunction. Pin-point location of detected intrusion should be highlighted on the schematic layout/map.	Yes / No	
5		Virtual zoning with ability to highlight intrusion event location on schematic layout/map in respective zones.	Yes / No	
6		Real-time video feeds integrated with alarm events (pre and post event video feeds if configured with CCTV cameras)	Yes / No	
7		Display of event type, criticality, date, time, and location on system GUI	Yes / No	
8		Logging of all alarm information and operator actions and responses to database	Yes / No	
9		Isolation or disabling of individual sections of the sensor cable	Yes / No	
10	Alarm Management	Dedicated alarm management module should be provided that can show alarm log separately for Acknowledged and Unacknowledged alarms with type of alarm	Yes / No	
11	Integration with 3 rd party VMS software	Provision for integration of FOPIDS system with third party VMS software through TCP/IP shall be available. OEM to provide all associated hardware & software (APIs) for FOPIDS to be interfaced with the existing VMS for an Integrated Security System.	Yes / No	
12	License	All required licenses to be provided to meet the scope and all the licenses to be perpetual and in the name of BRBNMPL.	Yes / No	

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Sl. No.	Parameter	Specification	Compliance (Yes / No)	Page No. of data sheet/ supporting document
1	HDD Capacity	16TB per drive or better.	Yes / No	
2	HDD form factor	3.5 Inch.	Yes / No	
3	HDD RPM	7200rpm.	Yes / No	
4	HDD Interface	SATA III or better		
5	Total Raw Capacity	96TB (6x16TB RAID 5/10 configuration and redundancy) or better Calculation data sheet to be provided (Event and Alarm) for integration of the minimum 10HDD cameras x 8 Zones (tentative) up to 90 days back-up with RAID Configuration details		
6	RAID 5/10 (for Data)	VGA/HDMI/USB Drives Used: 6 x 16TB or better	Yes / No	

D. Server & Failover Server for DAS controllers

Sl. No.	Parameter	Specification	Compliance (Yes / No)	Page No. of data sheet/ supporting document
1	Operating System	Latest Microsoft Windows Server/Linux or higher	Yes / No	
2	SQL	MS SQL server (Licenced)/ Postgre SQL/MySQL or equivalent and higher as per system requirement	Yes / No	
3	Processor	Minimum Intel Xeon Gold series dual socket processor or higher, 5 th Gen or higher (16 Cores, up to 3.9 GHz), equivalent or better.	Yes / No	
4	RAM	128 GB DDR5 ECC (Expandable up to 512 GB) or better	Yes / No	
5	SSD disk	Minimum 4TB usable capacity after hardware RAID 5/10 configuration or better/equivalent and expandable up to 10TB or higher	Yes / No	
6	Ethernet Interfaces	Minimum 10Gbps or higher as per system requirement	Yes / No	
7	Connectivity	Required expansion slots required as per system requirement	Yes / No	
8	USB port	Required minimum USB 3.2 or higher as per system requirement	Yes / No	

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Sl. No.	Parameter	Specification	Compliance (Yes / No)	Page No. of data sheet/ supporting document
9	Operating System license	All required licenses shall be perpetual and in the name of BRBNMPL, Mysuru.	Yes / No	
10	Redundancy	The system shall include both, a Primary Server and a Failover (Redundant) Server configured in an active-standby architecture. The failover server shall automatically assume all monitoring and processing functions in the event of primary server failure. Real-time synchronization of configuration, alarms, logs, and user settings shall be maintained between primary and failover servers. Failover switchover time shall be minimal and shall not affect ongoing alarm monitoring or event recording.	Yes / No	
11	Power supply	Hot swappable Inbuilt power supply	Yes / No	
12	Standard	Enterprise Grade	Yes / No	
13	Form factor	19" rack mount	Yes / No	

E. Fiber Sensor Cable: 12F Armoured – SM

Sl. No.	Parameter	Specification	Compliance (Yes / No)	Page No. of data sheet/ supporting document
1	Type	12F Multi-core sensing armoured Optical Fiber Cable suitable for underground and Perimeter-mounting with UV-resistant, water-blocked, rodent-proof, and flame retardant sheath	Yes / No	
2	Fiber Type	Single Mode, ITU-T G652.D/655 or higher	Yes / No	
3	Certification	Applicable BIS/ IEC or equivalent	Yes / No	
4	Attenuation	@ 1550 nm: ≤ 0.23 dB/km Max.	Yes / No	
5	Test Reports	OEM type test reports must be provided against each drum / roll of fiber cable for the parameters tested.	Yes / No	

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Sl. No.	Parameter	Specification	Compliance (Yes / No)	Page No. of data sheet/ supporting document
1	Size	Min. 55" or higher	Yes / No	
2	Type	LED	Yes / No	
3	Resolution	4K (3840 x 2160)	Yes / No	
4	Interface	VGA/HDMI/USB	Yes / No	

G. Workstation with Monitor

Sl. No.	Parameter	Specification	Compliance (Yes / No)	Page No. of data sheet/ supporting document
1	Processor	Intel Core i9 or better, Generation 12 or better.	Yes / No	
2	RAM	32GB ECC DDR4 or higher	Yes / No	
3	Storage	1TB SSD or higher as per system requirement	Yes / No	
4	Network Interface	Min. 1x10/100/1000 Mbps or more as per system requirement	Yes / No	
5	Operating System	Windows Server 2025 / Red Hat Enterprise Linux 9, equivalent or higher.	Yes / No	
6	Keyboards and Mouse	Required, USB type	Yes / No	
7	Port	USB ports- Minimum 4 Nos. RJ45 Ethernet port-1 No. VGA Port/Display-1 No. HDMI Port-1 No. As per system requirement	Yes / No	
8	Expandable	Required, RAM & HDD upgradable	Yes / No	
9	Monitor	27" or better with accessories	Yes / No	
10	Software	Windows 11 PRO or latest and MS office 2024 or latest required (Genuine pre-loaded) (MS Office 2024 license should be perpetual and in the name of BRBNMPL)	Yes / No	

H. Switches:

Sl. No.	Parameter	Specification	Compliance (Yes / No)	Page No. of data sheet/ supporting document
1	Type	Enterprise Grade, Fully Manageable Layer-2 Switch. (PoE+)	Yes / No	
2	Port Density & Hardware Requirement	19" rack mountable switch with Min 8 x10/100/1000 Base-T port of	Yes / No	

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Sl. No.	Parameter	Specification	Compliance (Yes / No)	Page No. of data sheet/ supporting document
		POE + and 4x 1 G SF+ ports with suitable AC/DC PSU; dual power inputs. 4 nos. 1G SM modules should be loaded.		
3	PoE Features	POE + Standards should be in accordance with IEEE 802.3af and IEEE 802.3at standards with 30W PoE+ support with PoE budget of 240W	Yes / No	
4	Performance & System Capacity	The switch should have min. 16 Gbps of switching capacity & min. 11 Mpps of forwarding rate. Switch should support 4K MAC addresses	Yes / No	
5	L2 Features:	Support for Port-based VLANs, 4096 VLANs (IEEE 802.1Q), , MAC-based VLANs, IP subnet-based VLANs 256.	Yes / No	
6	Security Features	Should support ACLs, DHCP snooping, IEEE 802.1x based port authentication, SSL, SSH, Port Mirroring, NTP, sflow/netflow, Dynamic ARP Inspection, IP source guard, FIPs 180, FIPS 46 etc.	Yes / No	
7	Ingress protection	IP20 protection minimum	Yes / No	
8	Operating temperature	0°C to 40° C or better	Yes / No	
9	Operating humidity	10% to 90% RH non-condensing or better	Yes / No	
10	Certifications	UL, CE, FCC, EN, ROHS or equivalent	Yes / No	

II) Technical Details:

Sl. No.	Parameter	Specification	Compliance (Yes / No)	Page No. of data sheet/ supporting document
1	Technical Parameter	All technical specification should be as per annexure I	Yes / No	

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Sl. No.	Parameter/s	Compliance (Yes/No)	Page No. of data sheet/ supporting document
1	<u>Objective of Site Visit:</u> All prospective bidders shall mandatorily visit the project site to comprehensively assess the site location, feasibility, distance, terrain, integration with existing Surveillance system and any other miscellaneous activities. Examine access routes for material transportation and equipment handling logistics and identify site-specific challenges that may impact project execution.		Date of Visit: Date/s:
2	<u>Bidder's Responsibilities:</u> The site visit shall be conducted at the bidder's own cost and risk with no reimbursement under any circumstances. Bidders shall obtain all necessary information required for accurate bid preparation and cost estimation. Complete understanding of scope of work, material requirements, and skilled workforce needs shall be achieved through site inspection.		

The following documents/technicalities to be submitted and discussed by the vendor during Pre-bid conference:

- 1) Schematic Diagram
- 2) Data Collection of the site and synchronization
- 3) Server and Storage details
- 4) GUI Configuration
- 5) Algorithms (Events, logs, zones, cameras etc)
- 6) Distance measurement
- 7) Any other technicalities related to the project
- 8) VMS integration and VMS Management (90 days backup)
- 9) Dry contact configuration for the zones against alarm.

All doubts, clarifications, and queries shall be raised and resolved during the Pre-bid conference. No claims of ignorance regarding site conditions, access constraints, system integration requirements, or any aspect of the work shall be entertained after bid submission.

1) Scope of Work:

Sl. No.	Parameter/s	Compliance (Yes/No)	Page No. of data sheet/ supporting document
a)	The scope of this tender includes the Design, Engineering, Supply, Installation, Testing, Commissioning and Training of an AI-enabled 'Distributed Fibre Optic Perimeter Intrusion Detection System (DFOPIDS)' for the BRBNMPL Township perimeter, with integration to the existing CCTV network system and 90 days data backup of any intrusion occurrence.		

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b)	The system shall analyse an enormous amount of data using ultra-fast architecture to give real-time feedback on the likely origin and type of the disturbance. iii) Real-time fibre + connector quality monitoring 64 Bit high-speed FPGA architecture. iv) GIS integration capability.		
c)	The system shall deploy 'Distributed Acoustic Sensing (DAS)' technology integrated with Artificial Intelligence(AI)-based analytics to automatically detect, locate, and classify intrusion attempts, including but not limited to cutting, climbing, or lifting of the Perimeter, and digging activities near the boundary wall or Perimeter etc., any unauthorized interference along the secured stretch.		
d)	The system shall provide continuous real-time monitoring with precise location-based alert generation, and shall be fully integrated with the existing CCTV/Video Management System (VMS) to enable automated video verification and security response workflows.		
e)	The fibre optic sensing cable shall be deployed on the existing concertina coil in linear pattern and zig-zag pattern on the perimeter wall and through an underground buried loop as required. The minimum burial depth for underground cable shall be 1mtr for soft soil and suitable depth for bitumen road/concrete surface through core cutting.		
f)	Fibre optic distributed sensing controller units shall be configured with dual-channel capability to support distributed perimeter monitoring and redundancy.		
g)	A centralized software and server infrastructure shall be provided with a GUI-based Command and Control (C2) platform for end to end monitoring, event management, system configuration, reporting etc.		
h)	An AI-based analytics platform shall be deployed for event categorization, and false alarm minimization under varying environmental and operational conditions.		
i)	The system shall support an API framework for seamless integration with the customer's existing Security Surveillance System. The proposed PIDS software must be future-ready and compatible for integration with the existing CCTV Video Management System (VMS).		
j)	The system architecture shall be redundant, ensuring that perimeter protection remains uninterrupted even in the event of one fibre cable cut. Redundancy shall be achieved through deployment of two cables in parallel, ensuring continuous intrusion detection capability.		

k)	Relay output panel shall be supplied and configured with dry contact alarm output {NO/NC contact - minimum 24 contacts or as per requirement} for triggering alarms, lights, and other security responses specified by BRBNMPL. Copper wiring or suitable shall be laid from the control room throughout the perimeter to supply power to relay contacts. Proper saddling, conduit routing, surge protection, safety measures, and termination arrangements shall be ensured.		
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2) System Overview:

The AI-based 'Distributed Fibre Optic Perimeter Intrusion Detection System (DFOPIDS)' shall transform standard single-mode optical fibre into a continuous sensing medium using Distributed Acoustic Sensing (DAS) technology. Vibrations or disturbances generated by intrusion attempts anywhere along the Perimeter shall be detected, captured and analyzed in real time using AI/ML-based algorithms. This shall ensure highly accurate classification of intrusion events while effectively filtering out nuisance alarms caused by environmental factors such as wind, rain, wildlife or vehicular movement. The sensing architecture shall remain completely passive in the field, with no active electronic components or power requirements deployed along the perimeter cable route, thereby maximizing system reliability, survivability, and ease of maintenance.

3) Functional Requirements:

- a) The Fibre Optic Perimeter system shall detect and accurately locate intrusions attempts within the configured zones for any effort to breach the perimeter by cutting, climbing, lifting or tampering with the perimeter fabric, digging underneath the wall, machine drilling/excavation etc. which causes vibration on the wall and ground.
- b) The system shall support test calibration of DFO-PIDS system periodically.
- c) The system shall be capable of detecting and reporting multiple simultaneous intrusions on intrusion events occurring in different zones along with priority of alarms generation without performance degradation.
- d) In case of an intrusion, the system shall highlight the corresponding zone/area/section on the monitoring interface and generate audio or visual alerts. Simultaneously, the system shall trigger corresponding relay outputs for activation of external devices such as hooter or warning lights.

e) The system shall employ adaptive AI/ML-based algorithms to intelligently distinguish between genuine intrusion events and non-threatening environmental activities such as wind, rain, wildlife, or vehicular movement, thereby minimizing false alarms. f) The system should deploy redundancy at controller level and sensing cable to ensure uninterrupted operation of FO-PIDS. g) Cut Immunity / Resilience: The system shall be designed and installed in a cut-immune configuration. In the event that the sensor cable is cut – whether due to accidental damage or a deliberate attempt to defeat the system – the following capabilities must be ensured: i) The system shall immediately detect and report the cable cut incident along with the precise cut location. ii) After the cut, the sensor shall retain full detection and localization capabilities up to the point of the cut. iii) The system architecture shall ensure that intrusion detection across the entire perimeter continuous even after a cable cut, without any loss of coverage. h) Point Disturbance Discrimination: The System should differentiate between point disturbances caused by real intrusions and spatially distributed environmental disturbances like wind, heavy rain, and hail. Unlike a block sensor, where all events are aggregated together along the entire zone length (including ones caused by distributed environmental conditions). System divides the perimeter protected into logical cells/zone and intrusion signals are evaluated independently for each cell/zone. i) Redundancy and Security Architecture: i) The sensing cable shall be deployed in a redundant loop topology, ensuring uninterrupted protection in the event of a fibre cut. ii) Each perimeter segment of approximately 8km shall be connected to the DAS Controller from both ends of the same sensing cable using independent cores creating a fully redundant sensing path. iii) In case of cable cut, the system shall automatically switch to reverse feed ensuring continued operation without any loss of detection capability or coverage gaps.		
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3.1 Detection and Classification

- a) Shall detect and classify:
 - i) Perimeter climbing, cutting, or lifting attempts and drilling the perimeter wall
 - ii) Digging or tampering near the perimeter.
 - iii) Manual digging, machine digging, tunnelling, walking, running, crawling and heavy vehicle movement for underground deployment.
 - iv) Vehicle movement or human approach within detection range etc. on the basis of site requirement.
- b) Shall employ **AI/ML algorithms** to automatically classify events and minimize false alarms and functionalities.
- c) Shall provide **real-time, continuous detection** without physical zone limitations.
- d) Minimum **location accuracy**: Minimum 5 mtrs or better. Pinpoint of exact location of the intrusion to be displayed.
- e) **Detection latency**: Less than 2 seconds.
- f) Shall differentiate between human, vehicle, and animal movements with accuracy.
- g) The system shall use multivariable analysis algorithms, real-time pattern recognition to minimized false alarm.
- h) **The system shall not generate/suffer nuisance alarm from any of the following sources:**
 - i) Movement of nearby objects or vegetation without contact with the Perimeter
 - ii) Temperature fluctuations
 - iii) Motion of surface or ground water
 - iv) Sensitivity must be adjustable and scalable.
 - v) Audible and visual alarm notifications.
 - vi) Relay output panel: Dry contact alarm output {NO/NC contact - minimum 24 contacts (as per requirement)} must be configured for alarm/light in each zone as per requirement by BRBNMPL.
- i) **Classification Algorithms**: To provide optimum Probability of Detection (PoD) vs Nuisance Alarm Rate (NAR) performance and cut:
 - I. Alarm Categories and Visualization:**
 - a) **Alarm Categories**: The system shall classify alarms into Critical, Warning, and Informational categories.
 - b) **Alarm Visualization**: Alarms shall be color-coded for clear visual identification:
 - Red – Active/Critical alarm
 - Yellow – Warning
 - Green – Normal/No alarm

Additional multi-color schemes may be configured based on site requirements, event types, and criticality levels.

c) Priority-Based Classification: All alarms shall be priority-tagged to facilitate fast response and automated event handling. d) Automatic Alarm Correlation and Filtering: The system shall support intelligent alarm correlation, reducing false alarms by identifying and filtering out non-threat events. e) Historical Alarm Logs & Analysis: Complete historical logs of alarms shall be maintained for audit, compliance, and advanced analytical reporting. II. For Perimeter applications, separate Perimeter-climb and Perimeter-cut detection algorithms enable the detection of stealthy Perimeter cutting attempts without compromising the performance. Any impact to the sensor cable by an intruder's hands, feet, or climbing aid will be detected by the system. III. Buried Detection - Typical Detection Ranges: a. For buried applications – footstep, manual digging, machine digging, vehicle engine, and vehicle motion to be differentiated. The system distinguishes these from background vibrations and declares an alarm. The system not only detects soil compression and displacement in the vicinity of the buried sensor cable but also the minute seismic waves induced by human footsteps. The high sensitivity of the system provides flexibility in the burial depth of the sensor cable, enabling the system to not only detect footsteps directly above the sensor cable, but also those up to 1 meter away. b. Vehicle Detection and Optional Rejection: The system shall be capable of detecting vehicles in the vicinity of the sensor cable due to the vibrations created by their motion or by the engine. In the case of a road parallel to the protected area, the system shall be configured to reject normal vehicle traffic and only raise an alarm if a vehicle drops below a configurable speed/vibration setting or stops altogether.		
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c. Digging and Tunnelling Detection: The system shall detect hand and machine digging and tunnelling at distances of up to 3meter from the sensor cable in any direction. The sensor cable can be positioned 1meter underground if necessary to extend coverage down to the required depth. d. False alarm prevention to be done in the following conditions: i. High winds, ground heaves caused by the roots of trees moving in the wind and debris blown through the field of an active system shall not cause alarm. ii. Rainfall or rain rate Heavy rainfall can induce Perimeter and topping vibrations. Heavy rainfall shall not cause false alarms, reduce detection performance or reduce the effective range of detection zones. Provision shall be made to avoid false alarms caused due to above reasons. iii. Lightning strikes inside a radius of 1km Lightning strikes may damage system electronics. Suitable earthing or other measures shall be provided. iv. Condition Impact Pedestrians adjacent to perimeter where people have access to the perimeter (e.g. a public footpath alongside the perimeter Perimeter). In addition, pedestrian activity alongside a barrier could cause alarms from PIDS mounted on the barrier. Suitable measures shall be provided to avoid such false alarm. v. Legitimate pedestrian or vehicular access may require certain zones to be isolated/switched off at particular times of day, for instance. vi. Wildlife Common animals such as rabbits, foxes, dogs or birds often cause false alarms. vii. Water logging: Flooding or water saturation in any part of the detection zone should not have significant impact on the performance of some systems. The above list is indicative not exhaustive in false alarms.		
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3.2 Optical Fibre Cable (OFC):

- a) The OFC (**12F Multi-core sensing cable**) has to be laid underground ahead of and along the perimeter area in **linear/Zig Zag fashion. The deployment shall follow a linear parallel alignment at a suitable distance as per ground conditions with maximum distance being 5mtr and depth of 01mtr or as per BRBNMPL requirement.**
- b) **The OFC shall conform to the** latest editions of all relevant international and national standards, including but not limited to **ITU-T, TIA, IEC, ELA, ASTM, BS, TEC & Dot** (as applicable).
- c) The OFC shall comply with **ITU-T-G 652/655 or better** specifications to ensure high performance, low attenuation, and long-distance transmission capability.
- d) The OFC shall be suitable for capturing vibrations in both over ground and underground deployments, and shall be provided with armoured, UV-resistant, water-blocked, rodent-proof, and flame retardant sheath or other appropriate outer jacket variants to ensure durability, sensitivity, and environmental protection.
- e) The length of CSTA (with ECCSA) underground burial-type OFC per drum shall be 10km $\pm 5\%$ as per the field requirement.
- f) The OFC shall be protected against damage from termites, rodents, fire, moisture and water throughout the service life of the cable.
- g) The outer surface of each completed cable shall be provided with metric length markings at regular intervals.
- h) The minimum bending radius shall be 20 x cable diameter or better.
- i) Fibre coatings shall be provided in distinct and identifiable colours for easy fibre identification. The fibre colour scheme shall comply with IEC publication IEC 603304/ IEC 60794-2.
- j) The cable shall be **UV-resistant, water-blocked, rodent-proof, armoured**, IR flame-retardant sheath and suitable for outdoor installation.
- k) The cable shall be armoured, single-mode, multi-core Optical Fibre Cable suitable for direct burial and perimeter mounting applications.

l) The cable shall have a minimum 12-fibre count to support current requirements as well as future sensing and security system integrations. m) The cable shall have a minimum service life of 25-years. n) Weather resistant proper tagging shall be provided at all terminations points for clear and durable identification. o) Spare length of cable shall be provide in loop form at designated locations to facilitate re-joining in case of cable cut or other maintenance requirements. p) Proper segregation of cables shall be ensured, adhering to relevant cable management standards. q) Cable laying shall be done through conduits or cable trays with adequate protection. Proper tagging and identification shall be maintained throughout the route. r) The laying and routing of all the cables shall be carried out strictly as approved by BRBNMPL. s) Electrical tape shall not be used for joining cables under any circumstances. t) All civil and electrical works, including accessories required for proper system installation and operation, shall be provided by the bidder. u) OFC distance marker: A 200mm diameter metal plate shall be provided by the bidder and Route marker shall be installed at every 200 meters on earth as required and at all crossings. The running distance shall be clearly mentioned on each route marker. The plates shall be suitably painted for visibility and long-term identification. Marking as per requirement. It should be minimum 1 foot below and 1 foot above ground surface with proper grouting. (+) shaped base plate 200 mm dia shall be provided with route marker.		
3.3 Interrogator / Controller Unit a) The controller shall be True phase based Coherent Rayleigh OTDR for Distributed Acoustic Sensing (DAS). b) The Interrogator shall house: Laser source (LED) and digital signal processor. c) The dual channel DAS system is a high-performance distributed acoustic sensing platform designed for real-time monitoring of pipelines, perimeters, conveyor systems, and critical infrastructure using fibre optic technology. d) Channel Capacity: Each controller shall support minimum 50km per sensing channel. e) Zoning: Capability to configure virtual security zones of minimum 50meters resolution along the entire perimeter.		

f) Detection: The system shall be capable of detecting attempts to breach the perimeter in various intrusion scenarios, which shall not be limited to following scenarios: Perimeter wall deployment along the concertina coil: i. Fence Climbing ii. Fence Cutting/ Drilling the perimeter wall iii. Fibre Cutting iv. Sabotaging the Fence Underground deployment: i. Manual Digging ii. Machine Digging iii. Tunnelling iv. Walking v. Running vi. Crawling vii. Heavy Vehicle Movement g) Cut-Through Architecture: If a fibre is cut, system must continue protecting from the opposite end without loss of coverage. h) General Specifications: i) Sensing Element: Fibre Optic Sensing Cable (single-mode FO Cable). ii) Number of Channels: Minimum 2 independent channels. iii) Enclosure: Suitable rack with smart fan control, redundant cooling paths. iv) Operating Temperature: System: 0°C to 50°C. v) Humidity: Up to 95% non-condensing. vi) Power Supply: Available power at BRBNMPL is 240 V AC $\pm$ 10%, 50 Hz. For any other operating voltage suitable SMPS shall be provided along with the controller i) DAS (Acoustic) Performance: i) Sensing Range: Minimum 50 km per channel ii) Frequency Response: 1 Hz to 120 kHz (application dependent). j) Laser and Data Acquisition: i) Laser Type: Infrared Class 1M, LED ii) Wavelength: 1550 nm (approx.) iii) Laser Stability: $\pm$5 pm. (digitally controlled for better stability) iv) Acquisition Rate: 400 MHz k) Sensor Configuration: Add, remove, and configure sensors remotely.		
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l) System Performance Parameters a) Detection Range: Minimum 50 km/channel b) Location Accuracy: ± 5 meters or better. c) Detection Latency: < 2 seconds d) Event Classification Accuracy: $\geq 95\%$ e) MTBF: $> 100,000$ hours f) Availability: $> 99.5\%$ The fibre optic sensing cable (total three runs) shall be deployed on the existing concertina coil in linear pattern and zig-zag pattern on the perimeter wall and through an underground buried loop as required. The minimum burial depth for underground cable shall be 1mtr for soft soil and suitable depth for bitumen road/concrete surface through core cutting. m) Centralized redundancy via dual controllers or dual network interfaces for ensuring uptime $> 99.5\%$. n) Output and Integration: i) Interfaces: Modbus Ethernet TCP/IP (standard) and remote interfacing via Ethernet or as required. ii) HMI: Built-in Human Machine Interface (keyboard and mouse input). o) API and Integration i) Open RESTful API or any other form of API for integration with third-party VMS and existing CCTV network as required & it is part of vendor scope. ii) Alarm-to-video triggering for CCTV expansion in future. p) Sensitivity adjustment : Calibration software shall be capable of filtering out local disturbances and spurious / false alarms to maximum extent. The detection threshold shall be tuned using software, based on the weather disturbances and surrounding default noise sources. q) Detection Selectivity : The PIDS system shall be capable of detecting intrusion events separately in each Zone i.e. simultaneous reporting of intrusions for more than two zones. r) Compatibility: Fully compatible with standard single mode fibre (SMF) (ITU-T G652.D/655 or equivalent/better. s) Form factor: 19" rack mount.		
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3.4 Software, Server & Storage:**Schedule 1 Server specifications: For Salboni Press**

The server shall be a high-performance, enterprise-grade system designed to support data-intensive application, AI/ML workloads, and high-speed storage operations. The hardware configuration shall include, at minimum:

Storage: 16TB HDDs configure in dual RAID arrays to ensure high availability, redundancy, and enhanced read/ write performance. Support for hot-swappable drives and scalable storage expansion.

1. Hardware Configuration:

- **Model Type:** Latest Enterprise grade 19" rack mountable server
- **Processor (CPU):** Intel Xeon Gold series dual socket processor or higher, 5th Gen or higher (16 Cores, up to 3.9 GHz), equivalent or better.
- **Chipset:** Intel C620 / W680 / Server-class chipset, equivalent or better.
- **Memory (RAM):** 128 GB DDR5 ECC (Expandable up to 512 GB) or better.
- **Graphics & Compute Unit**
- **GPU Model:** Dedicated NVIDIA RTX 4060 Ti (16 GB GDDR6), equivalent or higher.
- **Server Storage:** SSD SATA Minimum 4TB usable capacity after hardware RAID 5/10 configuration or better/equivalent and expandable up to 10TB or higher.
- Provision for dual redundant power supply to servers.
- **Tensor & RT Cores:** Yes (AI and Ray-Tracing supported) or better.

Purpose:

- AI/ML model acceleration
- Graphics rendering
- Video analytics
- Parallel computation tasks.

2. **Boot Drive :**1TB NVMe SSD (for OS performance boost, if hybrid setup used) or better.
3. **RAID Controller:** HPE Smart Array / Broadcom MegaRAID / LSI 9361-8i with RAID 0/1/5/10 support and cache protection or equivalent/better.
4. **Power Supply:** Dual Redundant Platinum-rated PSU or better.
5. **Cooling:** High-performance redundant cooling fans with thermal monitoring.
6. **Chassis Type:** Suitable Rackmount / ~~Tower chassis~~ with hot-swap drive bays or better.

7. Back-up Storage Specification: ➤ HDD Capacity: 16TB per drive or better. ➤ HDD Type: Enterprise HDD or better. ➤ HDD form factor: 3.5Inch. ➤ HDD RPM: 7200rpm. ➤ HDD Interface: SATA III or better. ➤ Total Raw Capacity: 96TB (6x16TB RAID 5/10 configuration and redundancy) or better [Calculation data sheet to be provided (Event and Alarm) for integration of the minimum 10HD cameras x 8 Zones (tentative) up to 90 days back-up with RAID Configuration details] ➤ RAID 5/10 (for Data) Drives Used: 6 x 16TB or better Type: Distributed parity with one-disk fault tolerance Capacity Available: 80TB usable (16TB x 5 effective after parity). Purpose: Data storage, database files, video archives, or backup data. Benefit: Balance of performance, capacity, and redundancy. 8. Network & Connectivity ➤ Network Interface: Dual 10GbE / 2.5GbE LAN ports (RJ-45) or better. ➤ Expansion Slots: 2 x PCIe Gen5 x 16, 1 x PCIe Gen4 x 8 or better. ➤ USB Ports: USB 3.2 Gen2 (Front & Rear) or better. ➤ Remote Management: IPMI / iLO / iDRAC (depending on brand) or better. ➤ Optional Ports: HDMI, DisplayPort (via GPU) or better. ➤ Redundancy: Dual PSU + RAID fault tolerance b) Physical specifications: ➤ Form Factor: Suitable Rackmount. ➤ Cooling: Smart fan control, redundant cooling paths Software & OS Support ➤ Supported OS: Windows Server 2025 / Red Hat Enterprise Linux 9, equivalent or higher. ➤ RAID Management Software: LSI Mega RAID Storage Manager / HPE Smart Storage Administrator, equivalent or better. ➤ DBMS: Microsoft SQL server (Licenced) or equivalent/better		
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➤ Data management software must be supplied with genuine and valid licenses issued in the name of BRBNMPL and perpetual in nature. Upgradation if any should be provided by the contractor during the warranty period and AMC period without any extra cost. Client work station shall operate on the latest Windows 11 professional operating system or higher version. The system shall be Client/User station support or software based (Application based) operations for monitoring configuration purpose. i) Minimum Processor: Intel Core i9 or better, Generation 12 or better. ii) RAM: 32GB ECC DDR4 or higher. iii) Storage: 1TB SSD or higher. iv) Windows 11 PRO or latest and MS office 2024 or latest required (Genuine pre-loaded) (MS Office 2024 license should be perpetual and in the name of BRBNMPL) v) Display: Client workstation display 27 inches or better LED display with full HD (1920 x 1080) or better. vi) Network: 1Gbps Ethernet port or better. vii) Graphics: Integrated or dedicated GPU supporting or better. viii) Control GUI must be window based software. ix) Display & Monitor configuration: The monitor is used for displaying on wall/ stand at CCTV control room. Required size: 55 inches or better, 4K (3840 x 2160) display, integrated and dedicated GPU support resolution. Minimum 2 x HDMI/Display port output (supporting 4K). 9. GUI Specification: Command & Control GUI with real-time map-based visualization of perimeter. Map based visualization must be online/offline mode. i) User Interface a) Dashboard View: Graphical overview of perimeter status, including sensor status, alarms, and active zones. b) Interactive Map: Schematic layout of the monitored area with real-time sensor status indication. c) Notification Pop-ups: Instant alerts for any breach or sensor malfunction. Pin-point location of detected intrusion should be highlighted on the schematic layout/map.		
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ii) User Interaction a) Clickable sensors on the map to view status and history. b) Drag-and-drop configuration of zones and sensor assignment. c) Customizable layout with multiple monitoring screens. d) Virtual zoning with ability to highlight intrusion event location on GIS/ floor plan iii) Real-time Monitoring System: a) Continuous surveillance of all sensors and zones. b) Live status of all perimeter zones c) Interactive site maps showing sensor locations d) Real-time video feeds integrated with alarm events e) Zone-based monitoring with color-coded status indicators f) Display of event type, date, time, and location on system GUI iv) Data management software/application and licensing: a) Integration: PIDS Controller with VMS. Provision for integration of FOPIDS system with third party VMS software through TCP/IP shall be available. OEM to provide all associated hardware & software (SDKs/APIs) for FOPIDS to be interfaced with the existing VMS for an Integrated Security System. b) Firmware Support: PIDS system shall have independent Software interfaces for controlling as well as Hardware/Firmware. v) Operation Management: Dedicated alarm management module should be provided that can show alarm log separately for Acknowledged and Unacknowledged alarms with type of alarm. vi) All the required licenses to be provided to meet the scope and all the licenses to be in the name of BRBNMPL and perpetual		
3.5 Communication Infrastructure The primary communication network shall utilize fibre optic cables (single-mode) for backbone connectivity. Field devices shall be connected using Cat6 shielded ethernet cable rated for outdoor use. The system shall support multiple protocols including Modbus TCP/IP, MQTT, OPC UA, DNP3, or equivalent (as required by BRBNMPL). Security measures shall include SSL certificates.		

3.6 Alarm Management

Priority	Type	Notification Method		
P1	Critical (Safety)	Popup		
P2	High (Equipment Fault)	Popup		
P3	Medium (Performance)	Display		
P4	Low (Information)	Display only		
Critical alarms shall be configured for zone wise intrusion of human activity and as required by BRBNMPL.				

3.7 Data Storage & Backup

Data Type	Storage Duration	Storage Location	Backup Frequency		
1-minute raw data	15 days	Local Storage	Hourly		
15-minute average data	30 days	Local Storage	Daily		
Hourly average data	45 days	Local Storage + Server Storage	Daily		
Daily summary data	90 days	Server Storage	Weekly		
Alarm and Event logs	90 days	Local Storage + Server Storage	Daily		
The backup system shall comprise 16TB or better Storage system with RAID 5/10 configuration for redundancy. Automated daily full backup procedures shall be implemented.					

a) Data Storage for Perimeter Intrusion Detection Systems Types of Data to Store i) Alarm & Event Data ii) Alarm triggers (date, time, location, sensor ID) iii) Alarm type (intrusion, tamper, fault) iv) Alarm priority (critical, high, medium, low) v) Alarm acknowledgment (who, when) vi) Alarm resolution (action taken, time to resolve) vii) False alarm incidents viii) Alarm escalation history ix) Sensor & Device Data x) Sensor status (active, inactive, fault, maintenance) xi) Sensor health metrics (signal strength, battery level) xii) Device configuration changes xiii) Communication status (online/offline) xiv) Device diagnostic logs xv) Video & Image Data xvi) Event-triggered video clips (before/after intrusion) xvii) Continuous recording (based on retention policy) - xviii) Video analytics metadata (object detection, tracking) xix) Entry/exit events at perimeter gates xx) Access denied attempts xxi) System Performance Data xxii) Network latency and bandwidth - xxiii) Database transaction logs xxiv) User login/logout xxv) Operator actions and commands xxvi) Configuration changes - xxvii) Report generation - xxviii) System access audit trails xxix) Alarm record: System shall have an Alarm acknowledgement facility xxx) Alarm logs: System shall show alarm log separately for Acknowledged and Not Acknowledged. xxxi) Any other alarm, event log etc. not explicitly mentioned above but recommended by OEM. b) Reporting & Analytics i) Generate reports on alarm history, sensor performance, and intrusion trends. ii) Export data in PDF, CSV, or Excel format. iii) Graphical charts for visual analysis. iv) Incident reports and trends v) False alarm analysis vi) Performance metrics and KPI (Key Performance Indicator) vii) User authentication and role-based access control		
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viii) Triggered video recording and evidence capture from the existing CCTV network (one minute prior event/incident and one minute after the event/incident) ix) Reduced false alarm rates through Artificial Intelligence filtering x) Faster response times to genuine threats xi) Auto-generated incident reports with time-stamped event logs. xii) Alarm masking and sensitivity customization on per-zone basis. xiii) Remote browser-based access with role-based authorization. xiv) Event Recording & Playback: Store event logs with timestamp and sensor details. xv) Integration Capability: Supports integration with CCTV xvi) Remote Access: Desktop client access for remote monitoring within LAN. xvii) Maintenance & Upgrades: troubleshooting and diagnostic tools to be included. - xviii) Permission levels hierarchy: a) Simultaneous login for multiple operators. b) Administrator: Full access with the ability to change settings c) Supervisors: Ability to view alarm records, edit and create reports d) Client Users: Ability to view, classify and reset alarm only. xix) Security/Software: User authentication with role-based access control (RBAC). Encrypted communication between sensors and software. Audit logs for user activity and system events as per BRBNMPL requirement. xx) Software Requirements f) GUI with real-time map visualization and intrusion alerts. g) AI adaptive learning and model tuning. h) On-premise AI updates. i) Multi-user access with audit trail. j) Event filtering, playback, and reporting tools.		
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BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED*(Wholly owned subsidiary of Reserve Bank of India)*

P.O. RBNM, Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132

TENDER DOCUMENT FOR DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU**E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026**

3.8 Switch:				
Sl. No.	Parameter	Specification		
1	Type	Enterprise Grade, Fully Manageable Layer-2 Switch. (PoE+)		
2	Port Density & Hardware Requirement	19" rack mountable switch with Min 8 x10/100/1000 Base-T port of POE + and 4x 1 G S F+ ports with suitable AC/DC PSU; dual power inputs. 4 nos. 1G SM modules should be loaded.		
3	PoE Features	POE + Standards should be in accordance with IEEE 802.3af and IEEE 802.3at standards with 30W PoE+ support with PoE budget of 240W		
4	Performance & System Capacity	The switch should have min. 16 Gbps of switching capacity & min. 11 Mpps of forwarding rate. Switch should support 4K MAC addresses		
5	L2 Features:	Support for Port-based VLANs, 4096 VLANs (IEEE 802.1Q), , MAC-based VLANs, IP subnet-based VLANs 256.		
6	Security Features	Should support ACLs, DHCP snooping, IEEE 802.1x based port authentication, SSL, SSH, Port Mirroring, NTP, sflow/netflow, Dynamic ARP Inspection, IP source guard, FIPs 180, FIPS 46 etc.		
7	Ingress protection	IP20 protection minimum		
8	Operating temperature	0°C to 40° C or better		
9	Operating humidity	10% to 90% RH non-condensing or better		
10	Certifications	UL/CE/ FCC/EN/ ROHS or equivalent		
3.9 Environmental & Electrical Requirements a) Operating Temperature: -20°C to +60°C b) Humidity: Up to 95% non-condensing c) Power Supply: 240V AC ±10%, 50Hz d) Outdoor junction boxes : IP68 rated				

3.10 Civil and Electrical Works a) GI conduits, trenching, ducting, and RCC path protection for buried cable segments. b) Proper fencing fixtures for wall/deployed segment of cable with anti-tamper clamps. c) Surge protection and separate grounding with dedicated earth pits (equipment/body earthing) as per IS 3043:2018 & IEC 61000 & 62000 series. d) Separate lightning arrestor to be installed nearby Controller unit and separate dedicated earthing to be done for lightning arrestor as per IS standards		
e) Chemical Earth Pit technical details: i) Inspection chamber: 300 x 300 x 300 mm PVC or brick pit with a heavy duty cover. ii) Cover: Must be suitable for the application with minimum load bearing capacity. iii) The cover should have space for marking the date of testing and the earth resistance values. iv) Backfill compound specifications: Material - Conductive mixture of carbon powder, metal powder and bonding materials, Composition: 70% carbon powder and 30% metal powder with a granule size of 100 mesh. v) Must be electrically conductive, non-corrosive, permanent and environment friendly. vi) Electrode: Copper vii) The earth pit chamber should be as per IEC 62561-5 or latest. viii) The backfill material must not cause corrosion to the earth electrode. ix) The chemical earth pit should be designed for maintenance-free after installation. x) Resistance should be less than 5 ohm. f) Lighting Arrestor technical details: i) Type: Outdoor type (Early streamer emission)/Conventional Lightning arrestor as per design. ii) Standard: Confirming to IS/IEC 62305 and IEC 62561. iii) Material: Stainless Steel/Copper Alloy, Corrosion resistant. iv) Coverage Radius: Minimum 1km (or as per site requirement) v) Mounting: Mounted on GI or SS pole minimum height to cover as per site requirement (Minimum 1km). vi) Down Conductor: Copper Strip 25mm x 3mm or copper or copper cable 70 sq. mm cross-section vii) Earth Termination: Separate maintenance free chemical earth pit as per IS 3043. Earth resistance ≤ 5 Ohms.		

3.11 Training and Handover i) Contractor to provide comprehensive training for operators and administrators covering: a) GUI configuration, alarm monitoring, and CCTV linkage. b) First-level troubleshooting. ii) Hands-on training for operation, AI analytics, and maintenance. iii) Covers troubleshooting and preventive maintenance. iv) Three hard copies of operational and maintenance manual along with necessary drawings shall be provided.		
3.12 Compliance and Standards a) CE safety standards for all electronics. b) IEC 60794 standard for fibre optic cables. c) ISO 27001 compliance for system security. d) IEC 60825-1 (Laser Safety) e) IEC 61000 Series (EMC) f) ITU-T G.652D (Optical Fibre) g) CE / UL/BIS or equivalent Certified Interrogator h) IS 3043:2018 for Earth pits		
4. <u>Installation Requirements</u> a) Fibre secured along Perimeter using UV-resistant ties. b) Use of IP68-rated junction boxes. c) Proper labelling and documentation. d) Interrogator in secure, climate-controlled room. Testing and Commissioning e) Final Acceptance Test (FAT) after installation. f) Demonstrate intrusion detection accuracy and AI performance. g) Provide all test reports and documentation.		
5. <u>Documentation</u> a) System diagrams, manuals, and cable layout. b) Test and calibration reports. c) Warranty and compliance certificates. d) Provide as-built drawings, zone configuration, and manuals (hard & soft copies). e) Any other necessary documents relevant to the project.		
6. <u>Warranty/ Defect Liability Period & Support</u> a) For supply part: Minimum 02 (Two) Years of Warranty for complete DFOPIDS system from the date of successful completion and acceptance of the work by BRBNMPL. Subsequently, three-year NCAMC post warranty on call basis includes quarterly visits and unlimited breakdown visits. Support for OEM-provided software and AI model updates during warranty and NCAMC period. b) For work part: Minimum 02 (Two) Years of Defect Liability Period from the date of successful completion and acceptance of the work by BRBNMPL. DLP covers any defect or fault that arises as a result of Contractor's design, materials, workmanship etc.		

7. <u>Acceptance Criteria</u> a) Successful FAT completion. b) Verified detection and AI classification accuracy. c) Approved integration with CCTV/VMS. d) Documentation and training completion.		
8. <u>PRE-FAT:</u> i) Documentation review: Verification that all user manuals, maintenance manuals, drawings, and certification documents have been delivered and approved. ii) Visual inspection: A check of the physical installation for correct mounting of all equipment, including sensors, cabling, processors, and cameras etc. This also verifies that the installation was done professionally, without visible damage or loose connections.		
9. <u>Final Acceptance Test (FAT) and Final Acceptance Certificate (FAC)</u> Upon completion of Design, Engineering, Supply, Installation and Commissioning of DFOPIDS, BRBNMPL will conduct testing of system in presence of the contractor for a period of 21 consecutive days to the satisfaction of BRBNMPL. The FAT shall evaluate the system's performance against all specified technical and operational parameters, if any parameters are not fulfilled, they shall be conducted again after rectification to this satisfaction of BRBNMPL. It is contractor's responsibility to achieve and show the parameters guarantee within three attempts within a reasonable period. Even after three repetitive attempts if FAT fails, then this will be treated as breach of agreement and BRBNMPL will be at liberty to decide the future course of action as deemed fit. After successful completion of FAT and certification by BRBNMPL on compliance of all tender obligations viz. handing over of documents, software backups etc., the Final Acceptance Certificate (FAC) will be issued.		

9.1 FAT Procedure**a) Test Commencement:**

The FAT period shall begin only after successful completion of all pre-commissioning tests and receipt of all statutory approvals. The system shall be placed under continuous observation for 21 days to validate trouble-free operation.

b) Technical Assessment:

BRBNMPL's Maintenance Division or designated Technical Committee shall conduct periodic inspections to verify system performance and compliance. Independent third-party evaluations may be conducted if deemed necessary.

c) FAT Scope and Requirements

Key components of a final acceptance test

The final acceptance test, conducted with both the installer and customer present, confirms that the system is ready for full-scale operation. A comprehensive test typically includes:

- i) **Functional testing:** A complete check of all system functions, including:
 - Verifying that alarms are properly generated, transmitted, and displayed on the control room software for each detection zone.
 - Confirming that the correct CCTV camera view pops up automatically when an alarm is triggered in its corresponding zone.
- ii) **Performance testing:** An assessment of system performance in real-world conditions, including:
 - **Intruder scenarios:** Simulating various intrusion methods, such as climbing, cutting, or attempting to breach the perimeter at multiple points.
 - **False alarm immunity:** Verifying that the system correctly ignores harmless disturbances from environmental factors like weather, wind, and wildlife.
- iii) **Integration testing:** Ensuring that the PIDS integrates properly with all other security and building management systems.
- iv) **Failure testing:** Confirmation that the system operates safely and effectively under failure conditions, such as a loss of primary power.
- v) **Reporting:** Documenting the test procedures and results. Any deviations or issues discovered during the test are recorded and must be addressed before final approval is granted.

vi) Sample test procedure and scenarios a) System arming/disarming: ➤ Arm the PIDS and confirm that all detection zones are active. ➤ Disarm the PIDS and confirm that no intrusion alarms can be generated. b) Alarm verification: ➤ Simulate an intrusion in any Zone. ➤ Confirm an alarm signal is received in the control room. ➤ Verify the correct camera view for respective Zone is displayed on the operator's monitor. ➤ Sensor coverage check: Test the system by having a person walk along the entire perimeter, confirming gap-free detection coverage. c) Environmental interference: ➤ Simulate environmental conditions known to cause false alarms, such as heavy rain, wind, or nearby pedestrian traffic. ➤ Verify that the system's sensitivity settings are correctly filtering out these events. d) Power failure simulation: ➤ Cut the primary power to the system's control unit. ➤ Confirm that the system switches to battery backup and generates a "trouble" or "power failure" signal. e) System component tampering: ➤ Attempt to tamper with a sensor or cut a communication cable. ➤ Verify that the system detects the tampering and generates an alarm. f) Monitoring and Control Systems ➤ Alarm and escalation mechanism testing ➤ Remote monitoring within LAN network ➤ Data logging, storage, and report generation validation g) Protection Systems ➤ Earthing system resistance ≤ 5 ohms		
10. <u>Delivery Schedule:</u> Design, engineering, supply, installation, testing, commissioning, training and FAT of DFOPIDS to be completed within 180 days including weekly off and holidays from the date of issue of LOI/NoA. Material should be supplied within 90 days from the date of LOI/NoA.		

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TENDER DOCUMENT FOR DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU**E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026****11. Technical Summary Table:**

S. No.	Parameter	Requirement	Compliance (Yes/No)
1.	Total Perimeter	Salboni: 8 Km (approx.), Mysuru: 7.5 Km (approx.)	
2.	Technology	DAS (Distributed Acoustic Sensing)	
3.	Zoning Resolution	≤ 50 m	
4.	Controller Capacity	≥ 50 km per channel	
5.	Redundancy	Cut-proof	
6.	Server Storage	≥ 90 days (RAID-enabled)	
7.	Integrations	VMS, API	
8.	GUI	Map-based, AI event categorization	
9.	CCTV Integration	PIDS software & CCTV expandable, single OEM	
10.	Cable Type	Armoured OFC, Direct Burial + Perimeter-mount	
11.	Warranty	2-year for whole DFOPIDS after issuance of FAC	
12.	AMC	3 years post-warranty on call basis after warranty obligations includes quarterly visit and unlimited breakdown visit.	

12. Bill of Quantities (BOQ) for DFOPIDS System:**A.1 Schedule 1: For SALBONI Press****Supply and work part**

Sl. No.	Item Description	Technical Specification/ Features	Unit	Qty	Remarks	Compliance (Yes/No)
1)	Distributed Fibre Optic Sensor Cable	Armoured single-mode multi- core fibre optic sensing cable.	Mtr.	50,000 (approx.)	As per Technical specifications. Township Perimeter is 8km (approx.)	
2)	Controller	Optical sensing Dual Channel Controller.	Nos.	02	As per Technical specifications.	

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Sl. No.	Item Description	Technical Specification/ Features	Unit	Qty	Remarks	Compliance (Yes/No)
3)	Server	Intel Xeon Gold or better 5 th Gen or better (16 Core up to 3.9 GHz) or equivalent/ better. RAID-5/10 capable, 4K output, dual network interface, supports alarm linkage with DFOPIDS.	Lot	02	With all necessary Licenses (As per Technical specifications)	
4)	Client Workstation and LED Display for monitoring	Intel i9 processor or better, with 27" or better, LED display full HD (1920 x 1080) or better for client workstation and 55" LED Display 4K or better for Monitoring display.	Lot	01	As per Technical specifications	
5)	Switch (12 Port, 1Gigabyte L2 Managed Switch with SFP Module copper + 4 SFP)	19" rack mountable switch with Min 8 x10/100/1000 Base-T port of POE + and 4x 1G SFP ports with suitable AC/DC PSU; dual power inputs. 4 nos. 1G SM modules should be loaded.	Set	01	As per Technical Specification	
6)	Rack & Accessories	Rack with cooling fan, cable manager, earthing kit, lockable doors.	Lot	01	For housing all active devices as per Technical specifications	
7)	Earthing System	Maintenance-free chemical earthing with resistance $\leq 5\Omega$, copper bonded electrode, 3mtr length, backfilled with carbon and bentonite compound.	Nos.	20	For all electrical equipment's as per Technical specifications	
8)	Lightning Arrestor	Outdoor type (Early streamer emission)/Conventional Lightning arrester.	Nos.	08	As per specifications	

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Sl. No.	Item Description	Technical Specification/ Features	Unit	Qty	Remarks	Compliance (Yes/No)
9)	Supply of HDPE pipe 50mm dia.	HDPE pipe required for laying armoured OFC cable from Township boundary wall to control room and any other required areas.	Mtr.	3000	Payment will be done on actual basis	
10)	Supply of GI pipe 100 mm dia	GI pipe is required for road cutting/boring of road for laying of cable.	Mtr.	750	Payment will be done on actual basis	
11)	Copper cable or suitable	For Relay connections in the perimeter area	Mtr.	7000		
12)	Trench digging	Trench digging, Boring of road/road cutting (bituminous road) for laying of armoured OFC cable with 100mm GI pipe, refilling, reconstructing of cut road as per IS standards	Mtr.	10000	Township Perimeter is 8km (approx.). Township boundary wall to control room and any other required areas. Payment will be done on actual basis	
13)	Miscellaneous	Any other miscellaneous items such as nylon UV protected heavy duty cable ties, Relay contacts, brackets, fixtures, clamps, route markers, patch cord, switches, suitable size rack for PDU controller, 24 port LIU for fibre cable termination, 4 channel KVM switch as required, OFC jointing kit, software, Licenses, etc. and works like drilling, welding, splicing etc. Any other material/work are not explicitly mentioned above and required to complete the project.	Lot	1		

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Sl. No.	Item Description	Technical Specification/ Features	Unit	Qty	Remarks	Compliance (Yes/No)
14)	Installation, Testing & Commissioning	Complete installation of system and laying of pipe, cables and any other equipment's. Configuration, calibration of DFO-PIDS system, integration with VMS, and functional testing and any other support charges.	Lot	1	As per Scope of work and Technical specifications.	
15)	Training	Training charges - Operation & Maintenance	Lot	1	Training	

A2. Non-Comprehensive AMC

Sl. No.	Item Description	UOM	Qty.	Remarks	Compliance (Yes/No)
1	3 years post-warranty on call basis after warranty obligations includes quarterly visit and unlimited breakdown visit.	Lot	1		

B1. Schedule 2: For MYSURU Press**Supply and work part**

Sl. No.	Item Description	Technical Specification/ Features	Unit	Qty	Remarks	Compliance (Yes/No)
1)	Distributed Fibre Optic Sensor Cable	Armoured single-mode multi- core fibre optic sensing cable.	Mtr.	50,000 (approx.)	As per Technical specifications. Township Perimeter is 7.5 km (approx.)	
2)	Controller	Optical sensing Dual Channel Controller.	Nos.	02	As per Technical specifications.	
3)	Server	Intel Xeon Gold or better 5 th Gen or better (16 Core up to 3.9 GHz) or equivalent/ better.	Lot	02	With all necessary Licenses (As per Technical specifications)	

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4)	Client Workstation and LED Display for monitoring	Intel i9 processor or better, with 27" or better, LED display full HD (1920 x 1080) or better for client workstation and 55" LED Display 4K or better for Monitoring display.	Lot	01	As per Technical specifications	
5)	12 Port, 1 Gigabyte L2 Managed Switch with SFP Modules (8 Copper + 4 SFP)	19" rack mountable switch with Minimum 8 x10/100/1000 Base-T port of POE + and 4x 1 G S F + ports with suitable AC/DC PSU; dual power inputs. 4 nos. 1G SM modules should be loaded.	Set	01	As per Technical specifications	
6)	Rack & Accessories	Rack with cooling fan, cable manager, earthing kit, lockable doors.	Lot	01	For housing all active devices as per Technical specifications	
7)	Earthing System	Maintenance-free chemical earthing with resistance $\leq 5\Omega$, copper bonded electrode, 3mtr length, backfilled with carbon and bentonite compound.	Nos.	20	For all electrical equipment's as per Technical specifications	
8)	Lightning Arrestor	Outdoor type (Early streamer emission)/Conventional Lightning arrester.	Nos.	08	As per specifications	
9)	Supply of HDPE pipe 50mm dia.	HDPE pipe required for laying armoured OFC cable from Township boundary wall to control room and any other required areas.	Mtr.	1000	Payment will be done on actual basis	
10)	Supply of GI pipe 100 mm dia	GI pipe is required for road cutting/boring of road for laying of cable.	Mtr.	200	Payment will be done on actual basis	

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11)	Copper cable or suitable	For Relay connections in the perimeter area	Mtr.	7000		
12)	Road cutting	Trench digging, Boring of road/road cutting (bituminous road) for laying of armoured OFC cable with supply of 100mm GI pipe & 50 mm HDPE pipe, refilling, reconstructing of cut road as per IS standards	Mtr.	1200	Township boundary wall to control room and any other required areas. Payment will be done on actual basis	
13)	Core cutting of surface and installation of OFC cable	Installation of buried OFC cable through bitumen road/concrete surface using core cutting of surface	Mtrs.	6500	For Mysuru Press Payment will be done on actual basis	
14)	Soft soil digging and installation of OFC cable	Installation of buried OFC cable through soft soil	Mtrs.	1000	For Mysuru Press Payment will be done on actual basis	
15)	Miscellaneous	Any other miscellaneous items such as nylon UV protected heavy duty cable ties, Relay contacts, brackets, fixtures, clamps, route markers, patch cord, switches, suitable size rack for PDU controller, 24 port LIU for fibre cable termination, 4 channel KVM switch as required, OFC jointing kit, software, Licenses, etc. and works like drilling, welding, splicing etc. Any other material/work are not explicitly mentioned above and required to complete the project.	Lot	1		

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16)	Installation, Testing & Commissioning	Complete installation of system and laying OFC cable on concertina coil, Cable unwinding, Cable Lacing by Cable Tie, Splicing, Installation of Splicing Enclosures, Link Units, Termination Unit, Installation of HDPE Pipes for gate areas, Installation of GI pipe, Installation of Racks and other equipments in the control room, electric power cabling etc. Configuration, calibration of DFO-PIDS system and functional testing and any other support charges.	Lot	1	Township Perimeter is 7.5 km (approx.). As per Scope of work and Technical specifications. Payment will be done on actual basis	
17)	Training	Training charges - Operation & Maintenance	Lot	1		
18)	FOPIDS integration with existing VMS of CCTV system		Lumps um	01		

B2. Non-Comprehensive AMC

Sl. No.	Item Description	UOM	Qty.	Remarks	Compliance (Yes/No)
1	3 years post-warranty on call basis after warranty obligations includes quarterly visit and unlimited breakdown visit.	Lot	1		

Important Note:

Sl. No.	Item Description	Compliance
1)	The BOQ enumerated above is indicative but not exhaustive. The payment shall be made as per actual quantity of supply and work carried out.	Accepted
2)	All minor miscellaneous works other than above BOQ, if required, for completing the project in all respects is under the scope of the Bidder. The miscellaneous works, if any, in addition to the above requested by BRBNMPL, bidder has to carry out the same at prevailing PWD rates with prior approvals from BRBNMPL.	Accepted

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Sl. No.	Item Description	Compliance
a)	For all BOQ/design required items, the bidders are advised to consider and submit the quote for <u>any one make & model only</u> , which are robust & reliable in all respects to meet our requirement for operation of system on 24x7 basis.	Accepted
b)	During tender evaluation before/after price bid opening, if the OEM declares End of Sale of any equipment/hardware/software the bidder is allowed to substitute the same with equivalent or higher model complying to all tender technical specs without any financial implications to BRBNMPL. However, prior approval of BRBNMPL shall be obtained by providing required documents.	
c)	During project execution/currency of the contract, if any of the equipment/hardware/software is declared End of Sale/support, the Contractor is allowed to substitute the same with latest model complying to all tender technical specs without any financial implications to BRBNMPL, subject to prior approval of BRBNMPL.	
d)	The specifications mentioned in the tender are the bare minimum requirement. However, any superior technology/architecture conforming to our requirement offered by the bidder shall also be acceptable subject to submission of documentary proof. BRBNMPL's decision in this regard shall be final and binding.	

Technical & General Notes:

Parameter Requirement	Compliance (Yes/No)
1) All supplied components shall be industrial-grade and fully compliant with applicable IEC/ EN/ UL/BIS safety and performance standards.	
2) The system shall support seamless integration with the existing CCTV network through standard, open, and well-documented APIs.	
3) The vendor shall provide complete system earthing, proper labelling of all components and cables, and detailed as-built documentation upon completion of installation.	
4) All supplied equipment, installation practices, and system functionalities shall strictly adhere to the approved Technical specifications.	
5) All required software licenses and system access rights shall be provide by the vendor. Licenses must be perpetual and issued in the name of BRBNMPL to ensure long-term operational continuity.	
6) The BOQ items listed are indicative. Bidder must undertake a comprehensive site survey at BRBNMPL before submission of bid to assess the actual requirements and confirm quantities, layout, cable routes, and any additional components based on real site conditions. Payment shall be made on actual measurement basis.	

* * *

Service Level Agreement (SLA) for Design, Engineering, Supply, Installation, Testing, Commissioning & Training and Non-Comprehensive AMC of an AI-Enabled Distributed Fiber Optic Perimeter Intrusion Detection System (DFOPIDS) at BRBNMPL, Salboni and Mysuru

The following points are to be mentioned under SLA terms in addition to the standard terms & conditions.

Part-A:

Sl. No.	Item/Parameter Description	Compliance
1)	Design, Engineering, Supply, Installation, Testing, Commissioning & Training of an AI-Enabled Distributed Fiber Optic Perimeter Intrusion Detection System (DFOPIDS).	Accepted
a)	The FO-PIDS system shall be capable of pin-point detection of perimeter intrusion viz. climbing using ladder, breaking the wall, cutting existing concertina coil, digging underneath the wall, machine drilling/excavation etc. which causes vibration on the wall and ground.	
b)	The pin-point intrusion alarm should be popped-up on the screen with details of virtual zone, map, pre and post video of intrusion from the nearby configured camera.	
c)	The system should be capable of detecting multiple simultaneous intrusions in different virtual zones along with priority of alarms generation.	
d)	The system should deploy AI/ML algorithm to distinguish between true intrusion and false intrusions due to environmental conditions etc. and minimization of false alarms.	
e)	The system should be capable of determining the cause of alarm i.e. human intrusion, animal movement, vehicle movement, machine drilling etc.	
f)	The system should deploy redundancy at controller level and sensing cable to ensure uninterrupted operation of FO-PIDS.	
g)	The System is required to be fully operational round the clock on 24 x 7 basis.	
h)	Supplier & offered system has to adhere to the BRBNMPL IT Policy.	
i)	Power supply: System equipment should operate on 240V AC+/- 10%, 50 Hz. System working other than this voltage should be provided with suitable adaptor. Power supply unit shall be with hot standby. The power supply shall be suitably protected on the input side against over current and accidental reversal of polarity and on the output side against over current and over voltage.	

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j) UPS: Suitable UPS with battery backup shall be provided by BRBNMPL. However, establishing of power cable network is in Contractor's scope.	
k) During the installation of the System, there should not be any interruption in the working of CCTV control room. All cabling works should be planned and executed without interrupting the existing network/power supply system.	
l) During tender evaluation or after Order placement and before delivery if the particular model of any Hardware or Software is declared End of Sale by the OEM then the latest model launched by the OEM which fulfils all technical requirements may be accepted without any financial implications to BRBNMPL. The request for the change in model must be accompanied by the declaration from OEM with supporting documents.	
m) Latest revision of all applicable IE rules and other regulations shall be followed and comply with all the Safety statutory requirements while executing this work.	
n) Service Support during warranty / NCAMC: Hardware and software service/ support for the entire FO-PIDS system should be provided by the Contractor during warranty and Non-Comprehensive Annual Maintenance Contract period.	
o) Upgradations: Any software up-gradations during the warranty is in the scope of the Contractor on free of cost basis.	

Sl. No.	Item/Parameter Description	Compliance
2)	Sequences / Milestone: FOPIDS implementation will be as under:	-
a)	Project Planning and drawing submission for approval.	
b)	As per approved architecture/drawing, start of trench digging and OFC, CAT 6A and power cable laying.	
c)	Supply and installation of all software, servers, controllers and network switches.	
d)	Testing of installed FO-PIDS and commissioning as per approved architecture.	
e)	Submission of Licenses for licensed software's and FAT of complete FO-PIDS performance, contractual obligation fulfilment including training and Issuance of FAC after successful completion of (a), (b) & (c) above.	

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Sl. No.	Item/Parameter Description	Compliance
3)	Payment terms:	-
a)	70% of the value of Material Supply part will be released on receipt and acceptance of material at site and on production of all required documents by the supplier. 70% payment will be released only after delivery of all items as per BOQ.	
b)	Balance 30% of the Material Supply part and 100% of Installation and commissioning charges will be released on successful installation, commissioning, training and final acceptance by the user department and after issue of FAC.	
c)	The payment shall be made as per actual quantity of supply and work carried out.	
d)	Statutory deductions as applicable shall be affected while making payment.	
e)	The material will be received only with original Delivery Challan and Bill/Invoice. However, in exceptional cases, where the material is delivered with copies of Delivery Challan and Bill/Invoice, the payment shall be released only on receipt of following documents: • Original Invoice (sealed & signed) • Delivery challan • Manufacturer's Test certificate, if applicable • NEFT mandate as per Annexure-D, if not submitted earlier	
f)	Payment shall be released through RTGS/NEFT only.	
g)	Any revision (increase/decrease) in Statutory rates after opening of the tender will be paid at actuals on producing documentary evidence.	
	Any increase in statutory duties beyond scheduled delivery is not attributable to BRBNMPL and the same will have to be borne by the supplier	

Sl. No.	Item/Parameter Description	Compliance
4)	Security Deposit (SD)/ Performance Security: Security Deposit of 10% of total contract price including NCAMC (03 years) to be submitted within 21 days from issuing of NoA/LoI and valid till completion of NCAMC (03 years) plus 60 days claim period. The same shall be released after completion of all contractual obligations pertaining to warranty including NCAMC. However, NCAMC will be renewed on annual basis subject to satisfactory performance of the Contractor.	

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Sl. No.	Item/Parameter Description	Compliance
5)	<u>Liquidated Damages:</u> If the supplier fails to deliver any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract, BRBNMPL shall, without prejudice to other rights and remedies available to BRBNMPL under the contract, deduct from the contract price, as Liquidated Damages, a sum equivalent to the 0.5% percent of the delivered price of the delayed goods and / or services for each week of delay or part thereof until actual delivery or performance, subject to a maximum deduction of the 10% of the delayed 'goods' or 'services' contract price(s). During the above-mentioned delayed period of supply and / or performance, the denial clause shall also apply.	
6)	<u>BOQ: To be reproduced as mentioned above.</u>	

Sl. No.	Item/Parameter Description	Compliance
7)	<u>OTHER REQUIREMENTS:</u>	-
i)	Documentation: All relevant product information such as 3 sets of user manual, technical specification sheet etc. of all system components should be submitted. Also, layouts, as built diagrams & sketch, Operation & Maintenance Manual (Parts catalogue, spare list, Electrical Diagram, Electrical/Electronic components details, OEM manuals etc.). Installation guides, datasheets, all software (OS, Application software etc.), installation CDs with license copies to be handed over to BRBNMPL after commissioning. <u>Proposed Functional specification, proposed layout of system, network diagram shall be submitted at the beginning of project execution and get approved by BRBNMPL.</u> The documents generated for this project will be sole property of BRBNMPL and should not be used/divulged for any other purpose.	
ii)	Software License: All Software (OS/application) Licenses should be perpetual and in the name of respective BRBNMPL presses viz Salboni and Mysuru. The Contractor to provide a list of licensed software or hardware before acceptance of system.	
iii)	Training to user: The Contractor should provide the training to BRBNMPL Employees for a period of minimum two weeks for proper operation & maintenance and use of the FO-PIDS. The Contractor should also conduct on site annual refresher training during the period of warranty and NCAMC. The training should cover detailed system administration, configuration, trouble sensing and trouble-shooting. End-user training shall be provided to the specified number of personnel identified by the BRBNMPL at site.	
iv)	Tools and Tackles: All tools & tackles, equipment and other required facilities for un-loading, shifting of equipment to the workplace, erection & commissioning of the system shall be arranged by the Contractor	

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v)	The Contractor shall supply the miscellaneous materials like Cables, junction box, anchor fasteners, screws, bolts and nuts, clamps, suitable angles, cable ties etc. for cable laying and carry out associated minor works for successful completion of work. Contractor shall do any other related jobs that are not mentioned above, but found necessary at the time of execution to complete the project in all respect.	
vi)	The Contractor must provide a valid certificate of authorization for providing after sales service for all the Third-Party Equipment / Systems supplied from the OEM. The certificate should be in the letter head of OEM issued in the name of Contractor and must be valid till the completion of contract.	
vii)	Modifications: Supplier shall agree for any minor modifications in system installation (without having any additional financial implications to BRBNMPL) to match with specific requirement of BRBNMPL.	
viii)	National / International standards for material: All materials supplied shall conform to applicable National / International standards of FCC, UL, CE, BIS, IEC, EN, ROHS etc. (wherever applicable).	

Part-B:

Sl. No.	Item/Parameter Description	Compliance
	<u>Non-Comprehensive Annual Maintenance Contract of an AI-Enabled Distributed Fiber Optic Perimeter Intrusion Detection System (DFOPIDS):</u>	-
	Comprehensive maintenance of complete AI-Enabled Distributed Fiber Optic Perimeter Intrusion Detection System (DFOPIDS) is required during warranty period of 2 years from the date of Final Acceptance Certificate (FAC) and Non-Comprehensive AMC period of 3 years after expiry of warranty.	
1)	List of Equipment: As per BOQ	
2)	Scope of work:	
	i) Non-Comprehensive maintenance of Distributed Acoustic Sensing (DAS) based Fibre Optic Perimeter Intrusion Detection System (FO-PIDS).	
	ii) Quarterly visits with equal intervals to attend periodic preventive maintenance and to carry out health check of FO-PIDS system.	

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	iii) Preventive maintenance service (PMS) should cover the following activities. • External cleaning of controllers, servers, switches and work station with a soft muslin cloth, if required, internal cleaning should be done. • Dressing of loose cables, if required, in the CCTV room and across the township boundary wall. • Check functioning of controllers, servers, switches and work station & activated features and take corrective action, if necessary. • Check serviceability status of redundant controller and server. • Take application and data backup of FO-PIDS system. • Any other activities as specified during warranty and NCAMC period. • Periodic preventive maintenance service (PMS) report shall be submitted by the Contractor to the Maintenance-Utility Officer-In-charge of BRBNMPL.	
	iv) Attending to unlimited breakdown calls, as and when received via email/mobile/telephone etc.	
	v) Attending to all software (OS & Application) related problems.	
	vi) The Contractor has to provide breakdown maintenance service on all weekdays to keep the entire system in working condition on 24 x 7 basis.	
	vii) The Contractor has to depute its technician when there is a complaint and need arises for all working days to attend the fault and he may be called on holiday if required. Mobile phone and telephone no. of technician are to be intimated for reporting the faults/breakdowns.	
	viii) Contractor shall ensure safe, efficient and reliable maintenance of the FO-PIDS system.	
	ix) Carrying out repairs of equipments/parts at our site / Contractor's workshop when found necessary, the same shall be made after getting written permission from BRBNMPL.	
	x) Any software up-gradation as and when recommended by OEM shall be timely intimated to BRBNMPL for further action by BRBNMPL.	
	xi) Up-gradation of any software / firmware to maintain the system operational and to comply with prevailing cyber security guide lines.	
	xii) Periodic reporting of equipment status to BRBNMPL.	
	xiii) All necessary tools and tackles, instruments, labour etc. are to be arranged by the Contractor at their own cost and risk.	

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	xiv) Any other works as per the instruction of BRBNMPL Officer in- charge for smooth operation of FOPIDS system.	
	xv) Contractor shall have back to back service agreement with the OEMs for critical items like FOPIDS controllers, Servers, Switches and application software support during warranty.	
	xvi) Contractor shall have back to back service agreement with the OEMs for critical items like FOPIDS controllers and Application software support during NCAMC period.	
	xvii) During NCAMC contract period of 3 years, if the hardware/software goes out of support or not available, equivalent or better software/hardware needs to be recommended by the Contractor to ensure the system functions as per the requirement in tender.	
	xviii) The Contractor shall be wholly responsible for breakdown or any mischief done by their staff and any loss to BRBNMPL shall be recovered from the immediate bill of the Contractor, balance if any from Security Deposit or otherwise to be paid by the Contractor.	
	xix) The Contractor shall provide training on operation and maintenance of the system to the BRBNMPL maintenance team during preventive maintenance.	
3)	Liquidated Damages (LD): The Company expects the Contractor to complete the scope of work as mentioned in tender within the timelines mutually agreed upon with the Company. Inability of the Contractor to either provide the requirements as per the scope or to achieve the expected Service Levels as defined below to meet the timelines agreed with the Company would be treated as breach of Contract and would invoke this clause. The rate of LD would be as mentioned below. Cap for aggregate of all penalties under the Agreement will be limited to 10% of the Total Contract value of NCAMC cost. In the event the timeframes are impacted due to delays caused solely by the Company, the Contractor will be given additional time (proportionate to the time lost due to the delay) to complete the activity and further, the Contractor will not be responsible for any penalties for such delay or resultant extension. The right to invoke the penalty clause is in addition to and without prejudice to other right available to the Company such as termination of this Agreement, invocation of the BG/SD and recovery of the expenditure incurred by the Company.	

	a) Details of Severity levels:	-
	a.1. Severe (S1): Incidents that can have severe impact on operations affecting FOPIDS at large viz. complete shutdown of FO-PIDS System/Software wherein complete system is down, redundant server/controller fails to take over from primary server/controller falls under this category.	

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	a.2. Essential (S2): Incidents that can have essential impact on the FOPIDS System affecting individual component or service, but do not impact FO-PIDS functioning as a whole system and have partial loss of PIDS services of a particular section/area/zone fall under this category. E.g. – OS/ application functioning of workstation, OFC network issues, network switch issue, Hard disk crash, unavailability of certain module/feature of application software, damaged OFC cable etc.	
	a.3. Normal (S3): Incidents that do not have much impact on the FOPIDS System as a whole but one or more low level components failure that does not result in loss of PIDS services fall under this category. E.g. – Network Switch port issue, Cat6 cable issue, SMPS issue etc.	
	a.4. The services shall be classified as in Table-01 below for the purposes of fault rectification, quarterly uptime commitment and levy of damages.	
	a.5. Downtime will be counted from the time of reporting the maintenance call till the resolution of the problem of Hardware or Software issue.	
	a.6. Severity Level of Calls logged will be decided based on the type of item / equipment and its impact on FO-PIDS System as defined above. In case of any discrepancies in deciding on Severity Level, Company's decision on Severity Level based on business impact shall be final.	
	a.7. Liquidated Damages shall be recovered on a quarterly basis for failure to maintain the committed uptime.	

TABLE – 01 (Service Classification)

Severity Level	Response Time (time within which the Contractor should Respond from the time of reporting/call log)		Resolution Time (Time within which the Contractor should bring the service back to normal working Condition from the time of reporting/call log)		Quarterly Uptime Commitment in percentage	Compliance (Yes/No)
	On-call / Online support	Physical visit support	On-call / Online support	Physical visit support	-	-
S1	04 hours	24 hours	10 hours	48 hours	99.50%	
S2	24 hours	72 hours	48 hours	96 hours	97.00%	
S3	48 hours	96 hours	60 hours	120 hours	95.00%	
Note: Contractor has to strictly adhere to Quarterly Uptime Commitment in percentage as mentioned above subject to availability of spares provided by BRBNMPL.						

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Item/Parameter Description	Compliance
<u>Uptime Calculation:</u>	-
Percentage Uptime= $\frac{\text{Total Hours} - \text{Breakdown time}}{\text{Total Hours}} \times 100$ Breakdown time will be calculated from the time of reporting/call log to Contractor. Breakdown time on account of unavailability of spares shall be waived-off for the calculation of Uptime.	

Appropriate LD will be deducted from quarterly payment if the Contractor fails to maintain required service levels as mentioned below:

Sl. No.	Service Level Agreement	Target	Liquidated Damages imposed per percentage or any fraction thereof for not meeting the SLA commitment	Compliance
1	Uptime of Severity level S1	99.50%	• 99.50% or better = NIL • 98.50% to 99.49= 1% of quarterly bill amount • 97.50% to 98.49= 2% of quarterly bill amount • Less than 97.50%= 5% of quarterly bill amount	
2	Uptime of Severity level S2	97.0%	• 97.00% or better = NIL • 95.00% to 96.99= 1% of quarterly bill amount • Less than 95.00%= 3% of quarterly bill amount	
3	Uptime of Severity level S3	95.0%	• 95.00% or better = NIL • Less than 95.00%= 0.5% of quarterly bill amount	

	a.8. Liquidated Damages mentioned above are independent of each other and will be imposed concurrently subject to maximum 10% of total contract value.	
	a.9. <u>Illustration on LD Calculation</u>	

Consider an item "A" for the quarter 01/04/2025 to 30/06/2025		
Assume this item "A" falls under severity level S2		
Total Amount of contract (Rs.)	10,00,000.00	
Quarterly contract value (Rs.)	2,50,000.00	

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Performance of the item "A" during the quarter					
Month	Service Window	No. of working Days	Total Hrs. of Availability	Hypothetical down time in Hrs.	Compliance
April-2025	24	30	720	70	
May-2025	24	31	744	30	
June-2025	24	30	720	50	
Total			2184	150	

Calculation of Liquidated Damages as per SLA for the quarter						
Availability in Hrs.	Downtime in Hrs.	Committed uptime	Actual Uptime	Liquidated Damages applicable	LD amount (Rs.)	Compliance
2184	150	97%	93.13%	3% of quarterly bill amount	7500	

Sl. No.	Item/Parameter Description	Compliance
4)	Termination: Applicable as per GCC	
5)	Payment terms:	-
	a) Payment during NCAMC period shall be made on quarterly basis upon satisfactory execution of the contract and submission of bills with all supporting documents.	
	b) The Contractor shall raise the bill in the 1 st week of succeeding quarters for release of payment after fulfilling all the necessary formalities.	
	c) Payment shall be made within 30 days of submission of bill subject to submission of all supporting documents.	
	d) Liquidated Damages, if any, shall be deducted from quarterly bills.	
	e) Statutory Deductions shall be made at source as per prevailing rules.	
	f) The work order price shall remain fixed, firm, and binding for the entire duration of the NCAMC contract period, and shall not be subject to any escalation on any grounds. However, any statutory revision in Goods and Services Tax (GST) or other applicable taxes shall be reimbursed at prevailing rates, subject to submission of valid documentary evidence in support of such revision.	

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6)	Details of Performance Security: Security Deposit of 10% of total order value which is submitted by the successful bidder shall be retained till completion of NCAMC (03 years) plus 60 days claim period. The same shall be released after completion of all contractual obligations pertaining to NCAMC. However, NCAMC will be renewed on annual basis subject to satisfactory performance of the Contractor.	
7)	Recovery & Rectification of work: a) In the event that the Contractor fails to attend to any issue or breakdown during the Warranty/Defect Liability Period, BRBNMPL reserves the right to rectify the same through an alternate agency. All expenses incurred in this regard shall be recovered from the Contractor without prejudice to BRBNMPL's other rights under the contract.	
	b) If during warranty/NCAMC period the work/services are not completed in all respect or delayed beyond reasonable time or the Contractor discontinues the work/services abruptly, then BRBNMPL reserves the right to get the remaining work / uncompleted work and services done through any other agency at the risk and cost of the Contractor. In such case, the pending claims and Security Deposit of the Contractor shall be forfeited.	
	c) The Contractor shall communicate to the Company for resolution of any problems in achieving the required Service Levels, where such problems are the result of actions or inactions of third-party and shall obtain prior permission.	

Common for Part A and B

1)	Spares and Service Support: The Contractor shall attend periodical and breakdown maintenance of the system during the warranty period without any additional cost to BRBNMPL. Also, the Contractor shall <u>ensure spare support for minimum period of Five years from the FAC date.</u>	
2)	Manpower deployment: a) The Contractor should deploy technically qualified service engineer during quarterly preventive and breakdown maintenance of FOPIDS system <u>during warranty and NCAMC period.</u>	
	b) Contractor shall take care of insurance coverage of their Service Engineer, while deploying at our office for preventive as well as breakdown maintenance.	
	c) The Contractor has to provide the details of the persons in advance, which they will be deploying for preventive as well as breakdown maintenance.	

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3)	Escalation matrix: Escalation matrix of the Contractor with all details like name, designation, contact no. etc. shall be provided before commencing the AMC service and shall be updated.	
4)	Other requirements: a) Training: The Contractor shall conduct onsite annual refresher training during the period of warranty and NCAMC. The training should cover detailed system administration, configuration, trouble sensing and trouble-shooting. End-user training shall be provided to the specified number of personnel identified by the BRBNMPL at site.	
	b) Tools and Tackles: All tools & tackles, measuring instruments etc. that are required for carrying out the maintenance of FOPIDS have to be arranged by the Contractor.	
	c) Responsibility against damage caused: The Contractor shall be responsible for any damage caused to the existing system due to (1) Lack of knowledge (2) Wrong Operation (3) Mishandling (4) by Intentional act by its employee and Contractor has to pay entire amount/charges for repair / replacement which is limited to total value of the contract value. However, Contractor shall not be liable for any consequential loss arising out of or connected with this contract in anyway whatsoever.	
	d) Repairs involving External Agencies: In the event that any work requires the involvement of an external agency, the Contractor must inform BRBNMPL well in advance and obtain the necessary permission. However, if BRBNMPL decides to engage an external agency for rectifying, modifying, or improving the system, the Contractor shall cooperate and coordinate with the external agency. Any work that is not covered under this AMC but is necessary for the proper functioning of the system shall be carried out by the Contractor with prior approval from BRBNMPL, and the associated costs will be reimbursed by BRBNMPL.	

Sl. No.	Item/Parameter Description	Compliance
5)	Safety & Security Measures:	-
	a) The Contractor should scrupulously conform to the Safety and Security norms as stipulated in Karnataka State Factories Act & West Bengal State factories and relevant norms in force, while working in the security area.	
	b) Any untoward incident arising out of improper supervision or inadequate safety measures will be the sole responsibility of the Contractor.	

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	c) BRBNMPL is a security organization and the Govt. of Karnataka at Mysuru & Govt. of West Bengal at Salboni has declared the premise as Prohibited Area. Hence, the Contractor has to abide by the security rules of the Company. The Contractor has to ensure the character and antecedent of the persons deployed. The Contractor must be in a position to produce such documents whenever he is asked to do so. Details shall be furnished as per the format when called for. Contractor should apply for gate pass for their service engineer, work permit and material entry pass etc. as per approved format only, well in advance to avoid any delay in issue of gate passes and work permit.	
	d) BRBNMPL reserves the right to get the antecedents of the employees deployed verified through police. The charges for verification shall be borne by the successful Contractor. Any employee of the successful Contractor, if found as unsuitable or having doubtful integrity or associated with any other job, shall be removed from the premises at the risk and cost of the successful Contractor. The successful Contractor shall vouch for the integrity of its workers.	
	e) The Contractor shall sign the Non-disclosure format and abide Non-disclosure clause by not revealing any secured information to any party not related to our FOPIDS system.	
	f) While applying for pass, the successful Contractor must enclose copy of address proof (Aadhar card/Voters ID card/Ration Card/Driving License/Passport etc.), for whom gate pass has been requested. The request shall be made in the format prescribed by BRBNMPL.	
6)	Responsibility of the Contractor:	
	a) The Contractor shall be responsible for any damage to property and machines, etc., arising out of operations in connection with the agreement. The cost of repairing such damage may be recovered from the Security Deposit furnished by the Contractor or by deduction from the Contractor's bill or from any other payment due to the Contractor or in any other manner. The Contractor shall also indemnify the Company against any loss or damage caused by the negligence on the part of the Contractor and in particular.	
	b) In case of any damages caused by the Contractor to any of the software/hardware equipment owned by the Company, the Contractor has to bring it back to working condition by either replacing the required new spares or with brand new equipment and for software the Contractor has to bring it back to the original condition by re-installation of software to the satisfaction of the Company.	
	c) The Contractor is expected to reply to all queries / complaints that may be raised by the Company from time to time. Evasive attitude by the Contractor would subject the contract being terminated or non-renewal of further contracts with the Contractor.	

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7)	Assignment: The Contractor shall not subcontract the whole of the work or a substantial part thereof during warranty and NCAMC.	
8)	Intellectual Property & Confidential Information: The related Parties shall agree that all details, plans, documentation, specifications, schedules, programs, reports and provision of operations pursuant to this Contract (hereinafter referred to as “Proprietary Material”) which have been or are hereafter written, originated or made by any of them or any of their respective employees by the persons related to the Contractor in connection with this contract shall be owned by and be the property of the BRBNMPL. The determination of information as Proprietary Material shall be made at the sole discretion of BRBNMPL.	
9)	Confidentiality: a) The Contractor shall cause the persons related to the service contract not to, without the prior written consent of the Authority, at any time, divulge or disclose to any person or use for any purpose unconnected with the operations, proprietary material, Press operations under this contraction.	
	b) The Contract shall, whenever required take necessary steps to ensure that all persons employed by it, under this Contract comply with the Indian Official Secrets Act 1923 (XIX of 1923) and agree that it applies to them and shall continue to apply even after completion of this Contract.	
	c) No photographs of the Press or System or any part thereof or equipment employed thereon shall be taken or permitted by the Contractor to be taken by any of its employees without the prior approval of Authority in writing and no such photographs shall be published or otherwise circulated without the approval of the Authority.	
	Legal jurisdiction: All disputes arising out of or anyway connected to this contract shall be subject to jurisdiction of The Court of Mysore (Karnataka state).	
	IMS Requirements: BRBNMPL is an ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 organization. The Contractors/suppliers should strictly comply with all the IMS norms. Contractor has to follow all the Security, ISO procedures and rules of BRBNMPL.	
	General terms & conditions: a) BRBNMPL's contract is exclusively with the Contractor, and instructions will be given directly to them. BRBNMPL will not be responsible for the employment conditions of the Contractor's staff deployed at the site for the performance of this contract. However, for security reasons, the Contractor must ensure that their deployed staff adheres to all rules, regulations, and security restrictions prescribed by BRBNMPL from time to time.	

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	b) Contractor will take the total responsibility of safety of the staff deployed during execution of this contract.	
	c) In case of any loss / losses are caused to BRBNMPL on account of non-fulfilment and /or non-compliance of any obligations, statutory or otherwise, on their part, BRBNMPL shall have full right to make adjustment for the said losses from the bills payable.	

We shall comply with, abide by, and accept without variation, deviation, or reservation all requirements detailed in Section VII: Scope of Work in the Tender Document.

Signature of Authorized Signatory with Date and Seal

Section VIII: Quality Control Requirements

Material supplied by the successful bidder as mentioned in section VII - Technical Specification & Scope of Work will be checked for suitability at BRBNMPL.

Supplier may be asked to resubmit the materials, if it is not found as per the specifications, supplied materials will be rejected and no payment will be made for the rejected materials.

In case of **rejection of material**, items must be replaced free of cost by the supplier within 15 days at his own risk and cost, on receiving such information from BRBNMPL.

Quality Control Requirements - Compliance

Material supplied by the successful bidder as mentioned in section VII - Technical Specification & Scope of Work will be checked for suitability at BRBNMPL.

Supplier may be asked to resubmit the materials, if it is not found as per the specifications, supplied materials will be rejected and no payment will be made for the rejected materials.

In case of **rejection of material**, items must be replaced free of cost by the supplier within 15 days at his own risk and cost, on receiving such information from BRBNMPL.

()

Name

Signature with date

Seal

(To be filled, signed & stamped and submitted along with Techno-commercial Bid Part-I)

We have noted the above parameters and are satisfied that we fulfil all the criteria for bidding in the tender. We shall comply with, abide by, and accept without variation, deviation, or reservation all requirements detailed in Section VIII: Quality Control Requirements.

Signature of Authorized Signatory with Date and Seal

Section IX: Qualification Criteria

Parameter	Qualifying criteria
Experience & Past Performance	The Bidder should have experience of having successfully completed *similar works during the last 07 (seven) years ending last date of previous month in which tender is floated: <u>Schedule 1: For Salboni</u> a) Three *similar completed works each costing not less than the amount equal to 40% of the estimated cost (i.e., ₹ 112.00 Lakh); OR b) Two *similar completed works each costing not less than the amount equal to 50% of the estimated cost (i.e., ₹ 140.00 Lakh); OR c) One *similar completed work costing not less than the amount equal to 80% of the estimated cost (i.e., ₹ 224.00 Lakh). <u>Schedule 1: For Mysuru</u> a) Three *similar completed works each costing not less than the amount equal to 40% of the estimated cost (i.e., ₹ 156.00 Lakh); OR b) Two *similar completed works each costing not less than the amount equal to 50% of the estimated cost (i.e., ₹ 195.00 Lakh); OR c) One *similar completed work costing not less than the amount equal to 80% of the estimated cost (i.e., ₹ 312.00 Lakh). <u>Schedules 1&2: For Salboni & Mysuru</u> a) Three *similar completed works each costing not less than the amount equal to 40% of the estimated cost (i.e., ₹ 268.00 Lakh); OR b) Two *similar completed works each costing not less than the amount equal to 50% of the estimated cost (i.e., ₹ 335.00 Lakh); OR c) One *similar completed work costing not less than the amount equal to 80% of the estimated cost (i.e., ₹ 536.00 Lakh). <u>*Similar work means</u> Supply and Installation of Fibre Optic Perimeter Intrusion Detection System in Factories/Security Organizations or in similar industries/ Central/State Government/Reputed Private Organizations Note: a) Sub-contracted works will not be considered. b) Works of Roads and/or Bridges will not be considered. c) AMC/Rate Contract works (piece meal basis) will not be considered. <u>Relaxation</u> Bidders applying as Class-I local supplier / Class-II local supplier and/or Start-ups (whether MSEs or otherwise) shall be eligible for relaxation of norms with regard to prior experience. [Please refer SIT provision for GIT clause No. 31 under 'Section III: Special Instructions to Tenderers (SIT)'].

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Capability - Equipment & Manufacturing facilities		a) The Bidder should preferably be enlisted with State/Central Public Works Department (PWD) or Military Engineering Services (MES) or any other Government / PSU / Autonomous bodies. b) <u>NO Relaxation</u> of Norms shall be extended to any category of bidders with regard to Capability criteria. [Please refer SIT provision for GIT clause No. 31 under 'Section III: Special Instructions to Tenderers (SIT)']
	Financial Standing	Average Annual Turnover Average Annual Turnover of the Bidder Firm during last Three financial years ending 31/03/2025 should be at least ₹ 84.00 Lakh for Schedule 1: Salboni ₹ 117.00 Lakh for Schedule 2: Mysuru ₹ 201.00 Lakh for Schedules 1&2: Salboni & Mysuru <u>Relaxation</u> Bidders applying as Class-I local supplier / Class-II local supplier and/or Start-ups (whether MSEs or otherwise) shall be eligible for relaxation of norms with regard to prior turnover. [Please refer SIT provision for GIT clause No. 31 under 'Section III: Special Instructions to Tenderers (SIT)']. Net worth The Net Worth of the Bidder Firm, a) should not be Negative as on 31/03/2025, and also b) should not have eroded by more than 30% year-on-year in the last three financial years ending 31/03/2025

Note: -

- Bidders applying as **Class-I local supplier / Class-II local supplier and/or Start-ups (whether MSEs or otherwise)** shall be eligible for relaxation of norms with regard to **prior experience and prior turnover**. [Please refer SIT provision for GIT clause No. 31 under 'Section III: Special Instructions to Tenderers (SIT)'].
- Documents with respect to Experience & Past Performance:** Following documents are required to be submitted along with the bid as part of the Pre-Qualification Criteria:
 - Copies of **Purchase/Work Orders** executed by the firm along with **PO/Work completion certificate** issued by the customer to be submitted towards above qualifying criteria along with **Annexure 9 "Performance Statement"**, duly filled in and digitally signed.
 - All experience, past performance and capacity / capability related data should be certified by the authorized signatory of the bidder firm.
 - The credentials regarding experience and past performance to the extent required as per qualification criteria submitted by the bidder may be verified by BRBNMPL from the parties for whom work has been done.
- Documents with respect to Financial Standing:** Following documents are required to be submitted along with the bid as part of the Pre-Qualification Criteria:

- a) Bidders whose sales, **turnover** or gross receipts is **more than ₹1 crore** during last 3 Financial Years ending **31/03/2025**, are required to submit **audited books of accounts bearing a valid UDIN**. However, for firms whose cash receipts are limited to 5% of the gross receipts or turnover, and whose cash payments are limited to 5% of the aggregate payments, the threshold limit of ₹1 crore for tax audit is increased to ₹10 crore with effect from AY 2021-22 (FY 2020-21).
- b) Bidders whose sales, **turnover** or gross receipts is **less than ₹1 crore** during last 3 Financial Years ending **31/03/2025** are **not** required to submit audited books of accounts. However, they may submit a statement of their turnover and net worth as per **Annexure 10** "Statement of Financial Standing" **certified by a CA bearing a valid UDIN** or a self-certified statement of their turnover and net worth as per Annexure 10 along with IT returns and ITR acknowledgement of last 3 Financial Years ending **31/03/2025**.
- c) In case of Indian Bidders/companies who have been restructured by Banks in India, under the statutory guidelines, they would be deemed to have qualified the Financial standing criteria considering the institutional financial backing available to them.
- 4. Manufacture under license / technology collaboration agreements with phased indigenization under 'Make in India'**

Suppliers may be exempted from meeting the stipulated local content if the product is being manufactured in India under a license from a foreign manufacturer who hold intellectual property rights and where there is a technology collaboration agreement / transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phasing of increase in local content within the validity of the contract.

5. Applicability in Special cases

A) Applicability to 'Make in India'

- (i) Bidders who have a valid / approved ongoing 'Make in India' agreement / program and who while meeting all other criteria above, except for any or more of sub-criteria in Experience and Past Performance above, would also be considered to be qualified provided:
- a) their foreign 'Make-in-India' associates meets all the criteria above without exemption, and
- b) the Bidder submits appropriate documentary proof for a valid / approved ongoing 'Make in India' agreement/program.
- c) the bidder furnishes along with the bid a legally enforceable undertaking jointly executed by himself and such foreign Manufacturer for satisfactory manufacture, Supply (and erection, commissioning if applicable) and performance of 'The Product' offered including all warranty obligations as per the general and special conditions of contract.

B) Participation of Authorised Representative in the tender

- (i) Bids of bidders quoting as authorised representative of a principal manufacturer would also be considered to be qualified, provided:

- a) their principal manufacturer meets all the above pre-qualification criteria without exemption, and
- b) the principal manufacturer furnishes a legally enforceable tender specific authorisation in the prescribed form (Section XIV of Tender document) assuring full guarantee and warranty obligations as per the general and special conditions of contract; and
- c) the bidder himself should have been associated, as authorised representative of the same or other Principal Manufacturer for same set of services as in present bid (supply, installation, satisfactorily commissioning, after sales service as the case may be) for same or similar 'Product' for past three years ending on **31/03/2026**.
- d) Either the Principal Manufacturer or its authorised representative can bid but both cannot bid simultaneously in the same tender.
- e) One Principal Manufacturer can authorise only one representative for a particular tender. Similarly, one authorised representative can represent only one Principal Manufacturer in a particular tender.
- f) For commercially-off-the-shelf (COTS) items with clear and standard specifications, a valid dealership certificate will have to be submitted.

C) Special Case for Existing Successful Past Contractors: In case the bidder who is a successful past contractor of BRBNMPL of the similar works in at least one of the recent past three procurements, who do not meet any or more of the pre-qualification criteria, would also be considered to be qualified in view of their proven credentials, for the work done by him in such recent past. The bidder has to provide successful completion certificate.

6. Financial Support from Holding Company: Where financial standing of the Bidder Firm is not strong enough to meet the qualifying criteria, it may rely on the financial standing credentials of its Holding Company for qualifying in the same. However, the bidder firm is required to qualify in all other criteria like experience & past performance and capacity/capability as specified in the tender on its own.

- (i) If a bidder firm has taken the support of its Holding Company for participating in the tender, the Holding Company shall give its support by way of Bank Guarantee to cover the obligations of the Bidder under the Tender in case of any defaults.
- (ii) The Financial Standing Credentials of a Holding Company can be clubbed with **only one** of the fully owned subsidiary bidding company, with appropriate legal documents proving such ownership.
- (iii) Credentials of the partners of Joint ventures cannot **(repeat cannot)** be clubbed for the purpose of compliance of PQC in supply of Goods/Equipment, and each partner must comply with all the PQC criteria independently.
- (iv) To avail Financial Support of the Holding Company, an Undertaking is to be submitted from the Holding Company on their letterhead as per the format given at **Annexure 13**.
- (v) The amount of Bank Guarantee by Holding Company shall be equal to the amount of Bank Guarantee prescribed in the tender for the bidders. This guarantee will be in addition to the one to be submitted by the bidders.

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E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026

Section X: Tender Form (Covering Letter)

(To be submitted as part of Technical bid, along with supporting documents, if any)
(on Bidder's Letter-head)

Date

To
Bharatiya Reserve Bank Note Mudran (P) Limited
Salboni, Dist. - Midnapore (West)
PIN- 721 132, West Bengal

Ref: Your e-Tender enquiry No. 004/SAL/PUR/2026-27 dated 22/06/2026 for DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU

Sir,

Having examined the above-mentioned Tender Document, we, the undersigned, hereby submit/upload our Techno-commercial and Financial bid (Price Schedule) for the procurement of Works in conformity with the said Tender Documents.

(Please tick appropriate boxes or strike out sentences/phrases not applicable to you)

1. Our Credentials

We are submitting this bid: -

- ☐ on our behalf, and there are no authorized representatives involved in this tender
Or
- ☐ as authorized representative offering goods manufactured by our Principal / OEM
(Manufacturer's Authorization Form enclosed)
Or
- ☐ as authorized dealer/distributor/stockist offering goods manufactured by our Principal / OEM (Dealership certificate enclosed)

2. Our Eligibility and Qualifications to participate

We comply with all the eligibility criteria stipulated in this Tender Document, and the relevant declarations are made along with documents in Section-XVIII of this bid-form. We fully meet the qualification criteria stipulated in this Tender Document, and the relevant details are submitted along with documents.

3. Our Bid to perform the Works

We offer to perform the works of requisite quality & workmanship and within Time Schedules in conformity with the Tender Document.

4. Prices

We hereby offer to perform the works at our lowest prices and rates mentioned in the separately uploaded Price-Schedule. It is hereby confirmed that the prices quoted therein by us are:

- (i) based on time schedule confirmed by us; and
- (ii) Cost break-up of the quoted cost, showing inter-alia costs (including taxes and duties thereon) of all the included incidental Works/Services considered necessary to make the proposal self-contained and complete, has been indicated therein, and
- (iii) based on the terms and mode of payment as stipulated in the Tender Document. We have understood that if we quote any deviation to terms and mode of payment, our bid is liable to be rejected as non-responsive, and
- (iv) have been arrived at independently, without restricting competition, any consultation, communication, or agreement with any other bidder or competitor relating to:
 - a) those prices; or
 - b) the intention to submit an offer; or
 - c) the methods or factors used to calculate the prices offered.
- (v) have neither been nor shall be knowingly disclosed by us, directly or indirectly, to any other bidder or competitor before bid opening or contract award unless otherwise required by law.

5. Affirmation to terms and conditions of the Tender Document:

We have understood the complete terms and conditions of the Tender Document. We accept and comply with these terms and conditions without reservations.

6. Abiding by the Bid Validity

We agree to keep our bid valid for acceptance for a period up to **120 Days**, as required in the Tender Document or for a subsequently extended period, if any, agreed to by us and are aware of penalties in this regard stipulated in the Tender Document in case we fail to do so.

7. Non-tampering of Downloaded Tender Document and Uploaded Scanned Copies (in case of e-Procurement)

We confirm that in case of downloaded Tender Document, we have not changed/ edited its contents. We realise that in case any such change is noticed at any stage including after the award of contract, we would be liable to action under clause 44 of the GIT.

8. A Binding Contract

We further confirm that, if our bid is accepted, all such terms and conditions shall continue to be acceptable and applicable to the resultant contract, even though some of these documents may not be included in the contract Documents submitted by us. We do hereby undertake that, until a formal contract is signed or issued, this bid, together with your written Letter of Intent (LoI), shall constitute a binding contract between us.

9. Performance Guarantee and Signing the contract

We further confirm that, if our bid is accepted, we shall provide you with performance security of the required amount stipulated in the Tender Document for the due performance of the contract. We are fully aware that in the event of our failure to deposit the required security amount and/or failure to execute the agreement, the Procuring Entity has the right to avail any or all punitive actions laid down in this regard, stipulated in the Tender Document.

10. Signatories

We confirm that we are duly authorized to submit this bid and make commitments on behalf of the Bidder. Supporting documents are submitted herewith. We acknowledge that our digital/digitized signature is valid and legally binding (in case of e-Procurement).

11. Rights of the Procuring Entity to Reject bid(s)

We further understand that you are not bound to accept the lowest or any bid you may receive against your above-referred Tender Document.

.....
(Signature with date)

.....
(Name and designation)

Duly authorized to sign bid for and on behalf of
M/s
[name & address of Bidder and seal of company]

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED*(Wholly owned subsidiary of Reserve Bank of India)*

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E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026

Section XI: Price Schedule**Proforma of Price Bid for “DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU”**

From

Date

.....

.....

To

The Senior General Manager

BRBNMPL, Salboni – 721 132

Dear Sir,

Sub : Price bid for DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU**Ref : Your e-Tender No. 004/SAL/PUR/2026-27 dated 22/06/2026 (MSTC Event No. BRBNMPL/Salboni Press/MMD/7/26-27/ET/12 [PIDS])**

We have received and understood the above tender enquiry and are pleased to submit our price bid as under:

[All Figures in INR]**Schedule 1: For Salboni Press****TABLE – I - Bill of Quantities (BOQ) for DFOPIDS System:**

Sl. No.	Item Description (As per Technical specifications & Scope of work)	Technical Specification/ Features	Unit	Qty	Basic Price inclusive of Packing Charges / per unit	Freight / Delivery & Insurance Charges / per unit, if any	Sub-total Price for tendered qty at A (Excluding Tax)	GST rate on Supply Part @.....(%)	GST Amount on Supply Part	Total Price (F.O.R. General Stores, BRBNMPL, Salboni (Including Tax)
				A	B	C	D = A *(B+C)	E	F = GST on D	G = (D+F)
1)	Distributed Fibre Optic Sensor Cable	Armoured single-mode multi-core fibre optic sensing cable.	Mtr.	50,000 (approx.) (8km approx.)						
2)	Controller	Optical sensing Dual Channel Controller.	Nos.	02						

Price Schedule / Bid to be
uploaded **ONLINE** in MSTC
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Sl. No.	Item Description (As per Technical specifications & Scope of work)	Technical Specification/ Features	Unit	Qty	Basic Price inclusive of Packing Charges / per unit	Freight / Delivery & Insurance Charges / per unit, if any	Sub-total Price for tendered qty at A (Excluding Tax)	GST rate on Supply Part @.....(%)	GST Amount on Supply Part	Total Price (F.O.R. General Stores, BRBNMPL, Salboni (Including Tax)
				A	B	C	D = A *(B+C)	E	F = GST on D	G = (D+F)
3)	Server With all necessary Licenses	Intel Xeon Gold or better 5 th Gen or better (16 Core up to 3.9 GHz) or equivalent/ better. RAID-5/10 capable, 4K output, dual network interface, supports alarm linkage with DFOPIDS.	Lot	02						
4)	Client Workstation and LED Display for monitoring	Intel i9 processor or better, with 27" or better, LED display full HD (1920 x 1080) or better for client workstation and 55" LED Display 4K or better for Monitoring display.	Lot	01						
5)	Switch (12 Port, 1Gigabyte L2 Managed Switch with SFP Module copper + 4 SFP)	19" rack mountable switch with Min 8 x10/100/1000 Base-T port of POE + and 4x 1 G S F + ports with suitable AC/DC PSU; dual power inputs. 4 nos. 1G SM modules should be loaded.	Set	01						
6)	Rack & Accessories	Rack with cooling fan, cable manager, earthing kit, lockable doors. (For housing all active devices)	Lot	01						

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Sl. No.	Item Description (As per Technical specifications & Scope of work)	Technical Specification/ Features	Unit	Qty	Basic Price inclusive of Packing Charges / per unit	Freight / Delivery & Insurance Charges / per unit, if any	Sub-total Price for tendered qty at A (Excluding Tax)	GST rate on Supply Part @.....(%)	GST Amount on Supply Part	Total Price (F.O.R. General Stores, BRBNMPL, Salboni (Including Tax)
				A	B	C	D = A *(B+C)	E	F = GST on D	G = (D+F)
7)	Earthing System	Maintenance-free chemical earthing with resistance ≤5ohm, copper bonded electrode, 3mtr length, backfilled with carbon and bentonite compound. (For all electrical equipment's)	Nos.	20						
8)	Lightning Arrestor	Outdoor type (Early streamer emission)/Conventional Lightning arrester.	Nos.	08						
9)	Supply of HDPE pipe 50mm dia.	HDPE pipe required for laying armoured OFC cable from Township boundary wall to control room and any other required areas.	Mtr.	3000						
10)	Supply of GI pipe 100 mm dia	GI pipe is required for road cutting/boring of road for laying of cable.	Mtr.	750						
11)	Copper cable or suitable	For Relay connections in the perimeter area	Mtr.	7000						

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12)	Trench digging	Trench digging, Boring of road/road cutting (bituminous road) for laying of armoured OFC cable with supply of 100mm GI pipe, refilling, reconstructing of cut road as per IS standards (Township Perimeter is 8km (approx.). Township boundary wall to control room and any other required areas.)	Mtr.	10000						
13)	Miscellaneous	Any other miscellaneous items such as nylon UV protected heavy duty cable ties, Relay contacts, brackets, fixtures, clamps, route markers, patch cord, switches, suitable size rack for PDU controller, 24 port LIU for fibre cable termination, 4 channel KVM switch as required, OFC jointing kit, software, Licenses, etc. and works like drilling, welding, splicing etc. Any other material/work are not explicitly mentioned above and required to complete the project.	Lot	1						

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14)	Installation, Testing & Commissioning	Complete installation of system and laying of pipe, cables and any other equipment's. Configuration, calibration of DFO-PIDS system, integration with VMS, and functional testing and any other support charges.	Lot	1						
15)	Training	Training charges - Operation & Maintenance	Lot	1						
16)	Grand Total Price (All Inclusive) on F.O.R. General Stores, BRBNMPL, Salboni basis (Sl. Nos. 1 to 15) :									

Grand Total Price in words: Rupees.....only**TABLE – II - Non-Comprehensive AMC for Salboni Press**

Non- Comprehensive AMC charges for 3 years after completion of warranty period						
Sl. No.	Particulars	Total Quantity with UoM	Unit price (₹)	GST rate @.....(%)	GST Amount (₹)	Grand Total Price (Including Tax) (₹)
		A	B	C	D=GST on B	E=(B+C)
2	3 years post-warranty on call basis after warranty obligations includes quarterly visit and unlimited breakdown visit.					
1)	AMC Charges for 1 st Year	01 Lot				
2)	AMC Charges for 2 nd Year	01 Lot				
3)	AMC Charges for 3 rd Year	01 Lot				
4)	Total Price (All Inclusive) of AMC Charges for 3 Years: Total Price (All Inclusive) on F.O.R. BRBNMPL, Salboni basis (Sl. Nos. 1 to 3)					

Total Price in words: Rupees.....only

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Sl. No.	Description	GRAND TOTAL AMOUNT SCHEDULE - 1 (in ₹)
		Sl. No. 16 of Col. G (Table - I) + Sl. No. 4 of Col. E (Table - II)
1	GRAND TOTAL (TABLE – I and TABLE – II)	

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Schedule 2: For Mysuru Press**TABLE – I - Bill of Quantities (BOQ) for DFOPIDS System:**

Sl. No.	Item Description	Technical Specification/ Features	Unit	Qty	Basic Price inclusive of Packing Charges / per unit	Freight / Delivery & Insurance Charges / per unit, if any	Sub-total Price for tendered qty at A (Excluding Tax)	GST rate on Supply Part @.....(%)	GST Amount on Supply Part	Total Price (F.O.R. General Stores, BRBNMPL, Salboni (Including Tax)
				A	B	C	D = A *(B+C)	E	F = GST on D	G = (D+F)
1)	Distributed Fibre Optic Sensor Cable	Armoured single-mode multi-core fibre optic sensing cable.	Mtr.	50,000 (approx.) (7.5 km approx.)						
2)	Controller	Optical sensing Dual Channel Controller.	Nos.	02						
3)	Server (With all necessary Licenses)	Intel Xeon Gold or better 5 th Gen or better (16 Core up to 3.9 GHz) or equivalent/ better.	Lot	02						
4)	Client Workstation and LED Display for monitoring	Intel i9 processor or better, with 27" or better, LED display full HD (1920 x 1080) or better for client workstation and 55" LED Display 4K or better for Monitoring display.	Lot	01						
5)	12 Port, 1 Gigabyte L2 Managed Switch with SFP Modules (8 Copper + 4 SFP)	19" rack mountable switch with Minimum 8 x10/100/1000 Base-T port of POE + and 4x 1 G SF+ ports with suitable AC/DC PSU; dual power inputs. 4 nos. 1G SM modules should be loaded.	Set	01						

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TENDER DOCUMENT FOR DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU**E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026**

Sl. No.	Item Description	Technical Specification/ Features	Unit	Qty	Basic Price inclusive of Packing Charges / per unit	Freight / Delivery & Insurance Charges / per unit, if any	Sub-total Price for tendered qty at A (Excluding Tax)	GST rate on Supply Part @.....(%)	GST Amount on Supply Part	Total Price (F.O.R. General Stores, BRBNMPL, Salboni (Including Tax)
6)	Rack & Accessories	Rack with cooling fan, cable manager, earthing kit, lockable doors. (For housing all active devices)	Lot	01						
7)	Earthing System	Maintenance-free chemical earthing with resistance $\leq 50\Omega$, copper bonded electrode, 3mtr length, backfilled with carbon and bentonite compound. (For all electrical equipment's)	Lot	20						
8)	Lightning Arrestor	Outdoor type (Early streamer emission)/Conventional Lightning arrester.	Nos.	08						
9)	Supply of HDPE pipe 50mm dia.	HDPE pipe required for laying armoured OFC cable from Township boundary wall to control room and any other required areas.	Mtr.	1000						
10)	Supply of GI pipe 100 mm dia	GI pipe is required for road cutting/boring of road for laying of cable.	Mtr.	200						
11)	Copper cable or suitable	For Relay connections in the perimeter area	Mtr.	7000						

Price Schedule / Bid to be
uploaded **ONLINE** in MSTC
PORTAL

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED*(Wholly owned subsidiary of Reserve Bank of India)*

P.O. RBNM, Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132

TENDER DOCUMENT FOR DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU**E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026**

Sl. No.	Item Description	Technical Specification/ Features	Unit	Qty	Basic Price inclusive of Packing Charges / per unit	Freight / Delivery & Insurance Charges / per unit, if any	Sub-total Price for tendered qty at A (Excluding Tax)	GST rate on Supply Part @.....(%)	GST Amount on Supply Part	Total Price (F.O.R. General Stores, BRBNMPL, Salboni (Including Tax)
12)	Road cutting	Trench digging, Boring of road/road cutting (bituminous road) for laying of armoured OFC cable with supply of 100mm GI pipe & 50 m HDPE pipe, refilling, reconstructing of cut road as per IS standards Township boundary wall to control room and any other required areas.)	Mtr.	1200						
13)	Core cutting of surface and installation of OFC cable	Installation of buried OFC cable through bitumen road/concrete surface using core cutting of surface	Mtrs.	6500						
14)	Soft soil digging and installation of OFC cable	Installation of buried OFC cable through soft soil	Mtrs.	1000						
15)	Miscellaneous	Any other miscellaneous items such as nylon UV protected heavy duty cable ties, Relay contacts, brackets, fixtures, clamps, route markers, patch cord, switches, suitable size rack for PDU controller, 24 port LIU for fibre cable termination, 4	Lot	1						

Price Schedule / Bid to be
uploaded **ONLINE** in MSTC
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Sl. No.	Item Description	Technical Specification/ Features	Unit	Qty	Basic Price inclusive of Packing Charges / per unit	Freight / Delivery & Insurance Charges / per unit, if any	Sub-total Price for tendered qty at A (Excluding Tax)	GST rate on Supply Part @.....(%)	GST Amount on Supply Part	Total Price (F.O.R. General Stores, BRBNMPL, Salboni (Including Tax))
		channel KVM switch as required, OFC jointing kit, software, Licenses, etc. and works like drilling, welding, splicing etc. Any other material/work are not explicitly mentioned above and required to complete the project.								
16)	Installation, Testing & Commissioning	Complete installation of system and laying OFC cable on concertina coil, Cable unwinding, Cable Lacing by Cable Tie, Splicing, Installation of Splicing Enclosures, Link Units, Termination Unit, Installation of HDPE Pipes for gate areas, Installation of GI pipe, Installation of Racks and other equipments in the control room, electric power cabling etc. Configuration, calibration of DFO-PIDS system and functional testing and any other support charges.	Lot	1						
17)	Training	Training charges - Operation & Maintenance	Lot	1						

Price Schedule / Bid to be
uploaded **ONLINE** in MSTC
PORTAL

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E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026

Sl. No.	Item Description	Technical Specification/ Features	Unit	Qty	Basic Price inclusive of Packing Charges / per unit	Freight / Delivery & Insurance Charges / per unit, if any	Sub-total Price for tendered qty at A (Excluding Tax)	GST rate on Supply Part @.....(%)	GST Amount on Supply Part	Total Price (F.O.R. General Stores, BRBNMPL, Salboni (Including Tax)
18)	FOPIDS integration with existing VMS of CCTV system		Lumpsu m	01						
19)	Grand Total Price (All Inclusive) on F.O.R. General Stores, BRBNMPL, Salboni basis (Sl. Nos. 1 to 18) :									

Grand Total Price in words: Rupees.....only

TABLE – II - Non-Comprehensive AMC for Mysuru Press

Non- Comprehensive AMC charges for 3 years after completion of warranty period						
Sl. No.	Particulars	Total Quantity with UoM	Unit price (₹)	GST rate @.....(%)	GST Amount (₹)	Grand Total Price (Including Tax) (₹)
		A	B	C	D=GST on B	E=(B+C)
2	3 years post-warranty on call basis after warranty obligations includes quarterly visit and unlimited breakdown visit.					
1)	AMC Charges for 1 st Year	01 Lot				
2)	AMC Charges for 2 nd Year	01 Lot				
3)	AMC Charges for 3 rd Year	01 Lot				
4)	Total Price (All Inclusive) of AMC Charges for 3 Years: Total Price (All Inclusive) on F.O.R. BRBNMPL, Salboni basis (Sl. Nos. 1 to 3)					

Total Price in words: Rupees.....only

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TABLE – III

Sl. No.	Description	GRAND TOTAL AMOUNT SCHEDULE - 2 (in ₹)
		Sl. No. 19 of Col. G (Table - I) + Sl. No. 4 of Col. E (Table - II)
1	GRAND TOTAL (TABLE – I and TABLE – II)	

NOTE: BIDDERS ARE REQUESTED TO FILL THE SHADED CELL AS THEIR QUOTED AMOUNT. OTHER CELLS ARE NOT EDITABLE.**Note for bidders:**

1. **Price should be quoted in MSTC Portal exactly** as per format given above. Multiple rates for single item would lead to rejection of offer.
2. Not Quoting / Mentioning in all items of Price Schedule are liable for rejection.
3. Tender shall be finalized on **the basis of Schedule wise Lowest (L1) Bidder** from eligible bidders as per Section XI and as per terms & conditions of the tender.
4. Quoted Rate should be on the **basis of final completion of works at BRBNMPL, Salboni/Mysuru** (including Unit Rate and GST).
5. Price bids **with conditions/Counter conditions** shall be liable for rejection.
6. **Bidders mentioning prices in any place other than the Price Bid (PART-II) shall be liable for rejection of their bids.**
7. Bidders are required to quote the prices **within 2 decimal places**. Prices quoted with more than 2 decimal places shall be rounded off to 2 decimal places for evaluation.
8. Price bid evaluation shall be subject to purchase preference to **Class-I Local Suppliers** as per GoI guidelines [Refer Annexure 1 to 5]. However, this Purchase Preference shall be executed considering the tender quantity to be **“NON-DIVISIBLE”** in nature.
9. The prices are quoted with **complete awareness of the site conditions**.

Declaration

- I/We agree that on being successful in the tender, we would carry out the work exactly as per Scope of Work and Responsibility of the Contractor mentioned in Scope of Work (Section-VII) and all other terms and Conditions of the Tender.

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED

(Wholly owned subsidiary of Reserve Bank of India)

P.O. RBNM, Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132

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- I/We confirm that the quoted prices shall be valid till the completion of entire work and also confirm that the rates quoted is inclusive of taxes as applicable and shall remain firm & binding and no escalation on above on any account shall be admissible during the currency of the contract except for changes in GST payments for which documentary proof should be attached for claiming escalation, if any. Thanking you,

Yours faithfully,

()

Name:

(Authorised Signatory of the bidder firm with date)

Section XII: Bidder Information

Bidder shall fill in this Form following the instructions indicated below. In case a statement does not apply to a bidder, the same should be answered with the remark "Not Applicable".

Wherever necessary and applicable, the bidder shall enclose certified copy as documentary proof / evidence to substantiate the corresponding statement.

In case a bidder furnishes a wrong or evasive answer against any of the under mentioned question / issues, its bid will be liable to be ignored.

1. Bidder particulars

- a) Name of the Company:
- b) Nature of the Company (Proprietorship/Partnership/Limited Company/Co-op. Society etc.):
- c) Corporate Identity No. (CIN), if available:
- d) Registration with BRBNMPL, if applicable:
- e) GeM Supplier ID (if registered with GeM,).....
- f) Place of Registration/Principal place of business/manufacture
- g) Complete Postal Address:
.....
- h) Pin code/ZIP code:
- i) Telephone Nos. (with country/area codes):
- j) Fax No. (with country/area codes):
- k) Cell phone Nos. (with country/area codes):
- l) Contact persons/Designation:
- m) Email IDs:

If asked, submit documents to demonstrate eligibility – A self-certified copy of registration certificate – in case of a partnership firm – Deed of Partnership; in case of Company – Notarized and certified copy of its Registration; and in case of Society – its Byelaws and registration certificate of the firm.

2. Taxation Details:

- a) PAN number:
- b) Type of GST Registration as per the Act (Normal Taxpayer, Composition, Casual Taxable Person, SEZ, etc.):
- c) GSTIN (in Consignor and Consignee States):
- d) Registered / Certified Works / Factory where the Goods would be mainly manufactured and Place of Consignor for GST Purpose:
- e) Contact Names, Nos. & email IDs for GST matters (Please mention primary and secondary contacts):
.....

- ☐ We solemnly declare that our GST rating on the GST portal / Govt. official website is NOT negative / blacklisted.

Documents to be submitted: Self-attested Copies of PAN card and GSTIN Registration.

3. Other Essential Details:

a) Provident Fund

Code No.:

Name of Establishment (as per Provident Fund Certificate):

b) Professional Tax

Enrolment Certificate No.:

Name of Establishment (as per Professional Tax Registration Certificate):

c) ESI/WC/Any other Insurance

Code No.:

Name of Employer (as per ESI/WC/Any other Insurance Certificate):

*Documents to be submitted: Self-attested Copies of Provident Fund, Professional Tax Registration (with latest Professional Tax paid receipt) and ESI/WC/Any other Insurance.***4. Authorization of Person(s) signing the bid on behalf of the Bidder**

a) Full Name:

b) Designation:

c) Signing as:

☐ A sole proprietorship firm. The person signing the bid is the sole proprietor/ constituted attorney of the sole proprietor,☐ A partnership firm. The person signing the bid is duly authorised being a partner to do so, under the partnership agreement or the general power of attorney,☐ A company. The person signing the bid is the constituted attorney by a resolution passed by the Board of Directors or in pursuance of the Authority conferred by Memorandum of Association.*If asked, documents to be submitted: Registration Certificate / Memorandum of Association / Partnership Agreement / Power of Attorney / Board Resolution***5. Bidder's Authorized Representative Information**

a) Name:

b) Address:

.....

c) Telephone/Mobile numbers:

d) Email Address:

.....
(Signature with date)

(Full name, designation & address of the person duly authorized sign on behalf of the tenderer)

For and on behalf of

(Name, address and stamp of the tendering firm)

Section XIII: Model Form of Bank Guarantee Bond for Bid Security (EMD)

1. In consideration of BHARATIYA RESERVE BANK NOTE MUDRAN PRIVATE LIMITED (hereinafter called 'BRBNMPL') having agreed to exempt _____ [hereinafter called 'the said Tenderer'] from the demand, under the terms and conditions of Tender No. _____ dated _____ for _____ (hereinafter called 'the said Tender'), of bid security (EMD) for the due fulfilment by the said Tenderer of the terms and conditions contained in the said Tender, on production of a bank Guarantee for ₹ _____ (Rupees _____ Only), we, _____, (indicate the name of the bank) (hereinafter referred to as 'the Bank') at the request of _____ [Tenderer] do hereby undertake to pay to BRBNMPL an amount not exceeding ₹ _____ against any claim by BRBNMPL by reason of any breach by the said Tenderer of any of the terms or conditions contained in the said Tender.

2. We, _____, (indicate the name of the bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from BRBNMPL stating that the amount claimed is due because of withdrawal of the tender by the said Tenderer or any material alteration to the tender carried out by the said Tenderer after its opening or because of failure to accept the Letter of Intent or Agreement by the said Tenderer or by reason of any other breach by the said Tenderer of the terms and conditions contained in the said Tender. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding ₹ _____.

3. We undertake to pay to BRBNMPL any money so demanded notwithstanding any dispute or disputes raised by the said Tenderer in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the said Tenderer shall have no claim against us for making such payment.

4. We, _____, (indicate the name of bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the finalization of the said Tender and that it shall continue to be enforceable till the said Tender is finally decided and orders placed on the successful Tenderer and/or till all the dues of BRBNMPL under or by virtue of the said Tender have been fully paid and its claims satisfied or discharged or till BRBNMPL certifies that the terms and conditions of the said Tender have been fully and properly carried out by the said Tenderer and accordingly, discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the _____ we shall be discharged from all liability under this guarantee thereafter.

5. We, _____, (indicate the name of bank) further agree with BRBNMPL that BRBNMPL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Tender or to extend the time of submission of the said Tender from time to time or to postpone for any time or from time to time any of the powers exercisable by BRBNMPL against the said Tenderer and to forbear or enforce any of the terms and conditions relating to the said Tender and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Tenderer or for any forbearance, act or omission on the part of BRBNMPL or any indulgence by BRBNMPL to the said Tenderer or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Tenderer/Bidder.

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED*(Wholly owned subsidiary of Reserve Bank of India)*

P.O. RBNM, Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132

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7. We, _____, (indicate the name of bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of BRBNMPL in writing.

Banks may insert the following “Notwithstanding” Clause as per the standard format given below:

8. Notwithstanding anything contained herein:

a) Our liability under this bank guarantee shall not exceed ₹ _____ (Rupees _____ Only);

b) This bank guarantee shall be valid up to _____; (being the date of expiry of the guarantee)

c) The Beneficiary's right as well as the Bank's liability under this guarantee shall stand extinguished unless a written claim or demand is made under this guarantee on or before _____ (being the date of expiry of claim period which in no case should be less than 1 year from the date of expiry of validity period of BG as per clause (b) above);

d) This Bank Guarantee must be returned to the bank upon expiry of claim period. If the Bank Guarantee in original is not received by the bank after expiry of claim period, subject to the terms and conditions contained herein, it shall be deemed to be automatically cancelled.

9. Dated the _____ day of _____ (month) _____ (year)

For _____ (indicate the name of the Bank)

Bank Guarantees issued through SFMS platform:

BG can also be issued through IFN 760 COV Bank Guarantee Advice Message / IFN 767 COV Bank Guarantee Amendment Message to Advising Bank Branch (Beneficiary's Bank Branch) through SFMS platform

1. In that case, the BG issued by the issuing bank on behalf of Bidder / Supplier / Contractor in favour of “Bharatiya Reserve Bank Note Mudran Private Limited” shall be in paper form and also shall be made available under the “Structured Financial Messaging System” (SFMS). (Ref: GoI, MoF letter F.No.7/112/2011-BOA dated 07.07.2012)

2. The Bidder / Supplier / Contractor shall ensure issuance of IFN 760 COV BG Advising Message by the issuing bank through SFMS platform in order to make the paper Bank Guarantee operative.

3. The issuing bank shall directly send the reference number of SFMS transmission message to BRBNMPL through Speed Post / Courier.

4. The details of beneficiary for issue of BG under SFMS platform is furnished below:

Name and address of Beneficiary	:	Bharatiya Reserve Bank Note Mudran Private Limited PO-RBNML, Salboni-721132, Dist.-West Midnapore, West Bengal
Beneficiary Bank, Branch and Address	:	State Bank of India, Note Press Branch, Salboni, PO-RBNML, PIN-721132, Dist. -West Midnapore, West Bengal
Account Type and Number	:	Cash Credit / 11678747799
IFSC Code	:	SBIN0003558
MICR Code	:	721002804

5. The Bank Guarantee submitted shall also be subject to verification from the issuing bank, hence the email ID of bank must be incorporated in the BG.

Section XIV: Manufacturer's Authorization Form

(PM/SBD/004)

To
Bharatiya Reserve Bank Note Mudran (P) Limited
Salboni, Dist. - Midnapore (West)
PIN- 721 132
West Bengal

Dear Sirs,

Ref. Your e-Tender Enquiry No. 004/SAL/PUR/2026-27 dated 22/06/2026

We,, who are proven and reputable manufacturers of the tendered Goods, having factories at, hereby authorise Messrs. *(name and address of the authorized representative)* to submit a bid, process the same further and enter into a contract with you against your requirement as contained in the above referred tender enquiry documents for the above goods manufactured by us.

We further confirm that no supplier or firm or individual other than Messrs. *(name and address of the above authorized representative)* is authorized to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred tender enquiry documents for the above goods manufactured by us.

As principals, we also hereby extend our full warranty, as applicable as per clause 16 of the General Conditions of Contract read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this tender document and also undertake to abide by other tender terms and conditions.

If stipulated in the tender document, the following documents may be enclosed,

We enclose herewith, as appropriate, our _____ (Bye-Laws / Registration Certificate / Memorandum of Association / Partnership Agreement / Power of Attorney / Board Resolution)

Yours faithfully,

.....

[signature with date, name and designation]

for and on behalf of Messrs.....
[name & address of the manufacturers]

Note: This letter of authorisation should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer

SECTION XV: Model Form of Bank Guarantee Bond for Performance Security

1. In consideration of BHARATIYA RESERVE BANK NOTE MUDRAN PRIVATE LIMITED (hereinafter called 'BRBNMPL') having agreed to exempt _____ [hereinafter called 'the said Contractor(s)'] from the demand, under the terms and conditions of an Agreement dated _____ made between _____ and _____ for _____ (hereinafter called 'the said Agreement'), of security deposit for the due fulfilment by the said Contractor(s) of the terms and conditions contained in the said Agreement, on production of a bank Guarantee for ₹ _____ (Rupees _____ Only), we, _____, (indicate the name of the bank) (hereinafter referred to as 'the Bank') at the request of _____ [contractor(s)] do hereby undertake to pay to BRBNMPL an amount not exceeding ₹ _____ against any loss or damage caused to or suffered or would be caused to or suffered by BRBNMPL by reason of any breach by the said Contractor(s) of any of the terms or conditions contained in the said Agreement.

2. We, _____, (indicate the name of the bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from BRBNMPL stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by BRBNMPL by reason of breach by the said contractor(s) of any of the terms or conditions contained in the said Agreement or by reason of the contractor(s)' failure to perform the said Agreement. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding ₹ _____.

3. We undertake to pay to BRBNMPL any money so demanded notwithstanding any dispute or disputes raised by the contractor(s)/supplier(s) in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the contractor(s)/supplier(s) shall have no claim against us for making such payment.

4. We, _____, (indicate the name of bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of BRBNMPL under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till BRBNMPL certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the _____ we shall be discharged from all liability under this guarantee thereafter.

5. We, _____, (indicate the name of bank) further agree with BRBNMPL that BRBNMPL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by BRBNMPL against the said Contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act or omission on the part of BRBNMPL or any indulgence by BRBNMPL to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s)/Supplier(s).

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED*(Wholly owned subsidiary of Reserve Bank of India)*

P.O. RBNM, Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132

TENDER DOCUMENT FOR DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU

E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026

7. We, _____, (indicate the name of bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of BRBNMPL in writing.

Banks may insert the following “Notwithstanding” Clause as per the standard format given below:

8. Notwithstanding anything contained herein:

a) Our liability under this bank guarantee shall not exceed ₹ _____ (Rupees _____ Only);

b) This bank guarantee shall be valid up to _____ ; (being the date of expiry of the guarantee)

c) The Beneficiary's right as well as the Bank's liability under this guarantee shall stand extinguished unless a written claim or demand is made under this guarantee on or before _____ (being the date of expiry of claim period which in no case should be less than 1 year from the date of expiry of validity period of BG as per clause (b) above);

d) This Bank Guarantee must be returned to the bank upon expiry of claim period. If the Bank Guarantee in original is not received by the bank after expiry of claim period, subject to the terms and conditions contained herein, it shall be deemed to be automatically cancelled.

9. Dated the _____ day of _____ (month) _____ (year)

For _____ (indicate the name of the Bank)

Bank Guarantees issued through SFMS platform:

BG can also be issued through IFN 760 COV Bank Guarantee Advice Message / IFN 767 COV Bank Guarantee Amendment Message to Advising Bank Branch (Beneficiary's Bank Branch) through SFMS platform

1. In that case, the BG issued by the issuing bank on behalf of Bidder / Supplier / Contractor in favour of “Bharatiya Reserve Bank Note Mudran Private Limited” shall be in paper form and also shall be made available under the “Structured Financial Messaging System” (SFMS). (Ref: GoI, MoF letter F.No.7/112/2011-BOA dated 07.07.2012)

2. The Bidder / Supplier / Contractor shall ensure issuance of IFN 760 COV BG Advising Message by the issuing bank through SFMS platform in order to make the paper Bank Guarantee operative.

3. The issuing bank shall directly send the reference number of SFMS transmission message to BRBNMPL through Speed Post / Courier.

4. The details of beneficiary for issue of BG under SFMS platform is furnished below:

Name and address of Beneficiary	: Bharatiya Reserve Bank Note Mudran Private Limited PO-RBNML, Salboni-721132, Dist.-West Midnapore, West Bengal
Beneficiary Bank, Branch and Address	: State Bank of India, Note Press Branch, Salboni, PO-RBNML, PIN-721132, Dist. -West Midnapore, West Bengal
Account Type and Number	: Cash Credit / 11678747799
IFSC Code	: SBIN0003558
MICR Code	: 721002804

5. The Bank Guarantee submitted shall also be subject to verification from the issuing bank, hence the email ID of bank must be incorporated in the BG.

**Section XVI: Contract Form
(PM/SBD/006)**

.....
(Address of BRBNMPL's office issuing the contract)

Contract No. dated

This is in continuation to this office' Notification of Award No. dated

1. Name & address of the Supplier:
2. BRBNMPL's Tender document No. dated and subsequent Amendment No. dated (if any), issued by BRBNMPL.
3. Supplier's Tender No. dated and subsequent communication(s) No..... dated (If any), exchanged between the supplier and BRBNMPL in connection with this tender
4. In addition to this Contract Form, the following documents etc., which are included in the documents mentioned under paragraphs 2 and 3 above, shall also be deemed to form and be read and construed as part of this contract:
 - i. General Conditions of Contract;
 - ii. Special Conditions of Contract;
 - iii. List of Requirements;
 - iv. Technical Specifications;
 - v. Quality Control Requirements;
 - vi. Tender Form furnished by the supplier;
 - vii. Price Schedule(s) furnished by the supplier in its tender;
 - viii. Manufacturers' Authorisation Form (if applicable for this tender);
 - ix. BRBNMPL's Notification of Award

Note: The words and expressions used in this contract shall have the same meanings as are respectively assigned to them in the conditions of contract referred to above. Further, the definitions and abbreviations incorporated under Section-V - 'General Conditions of Contract' of BRBNMPL's Tender document shall also apply to this contract.

5. Some terms, conditions, stipulations etc. out of the above-referred documents are reproduced below for ready reference:
 - (i) Brief particulars of the goods and services which shall be supplied / provided by the supplier are as under:

Schedule No.	Brief description of goods / services with HSN / SAC Code	Accounting unit	Quantity to be supplied	Unit Price (In ₹)	GST @ _%	Total price

Any other additional services (if applicable) and cost thereof:

Total value (in figure) (In words)

(ii) Delivery schedule

(iii) Details of Performance Security

- (iv) Quality Control
 - (a) Mode(s), stage(s) and place(s) of conducting inspections and tests.
 - (b) Designation and address of BRBNMPL's inspecting officer
- (v) Destination and despatch instructions
- (vi) Consignee, including port consignee, if any
- (vii) Warranty clause
- (viii) Payment terms
- (ix) Paying authority

.....

(Signature, name and address of BRBNMPL's authorized official)

For and on behalf of

Received and accepted this contract

.....

(Signature, name and address of the supplier's executive duly authorized to sign on behalf of the supplier)

For and on behalf of

(Name and address of the supplier)

.....

(Seal of the supplier)

Date :

Place :

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED*(Wholly owned subsidiary of Reserve Bank of India)*

P.O. RBNM, Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132

TENDER DOCUMENT FOR DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU**E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026****Section XVII: Letter of Authority for attending a Bid Opening**

(Refer to clause 24.2 of GIT)

(PM/SBD/007)

The Senior General Manager
Bharatiya Reserve Bank Note Mudran (P) Limited
Salboni, Dist - Midnapore (West)
PIN- 721 132
West Bengal

Subject: Authorization for attending bid opening on _____ (date) for e-Tender Enquiry
No. 004/SAL/PUR/2026-27 dated 22/06/2026

Following persons are hereby authorized to attend the bid opening for the tender mentioned above on behalf of _____ (Bidder) in order of preference given below:

Order of Preference	Name	Specimen Signatures
I.		
II.		
Alternate Representative		

Note:

1. Maximum of two representatives will be permitted to attend bid opening. In cases where it is restricted to one, first preference will be allowed. Alternate representative will be permitted when regular representatives are not able to attend.
2. Permission for entry to the hall where bids are opened may be refused in case authorization as prescribed above is not produced.

Signatures of bidder with
date and seal

or

Officer authorized to sign
the bid documents on
behalf of the bidder

Section XVIII: Eligibility Declarations

(To be submitted as part of Technical bid along with supporting documents, if any)

e-Tender Enquiry No. 004/SAL/PUR/2026-27 dated 22/06/2026

Bidder's Name: M/s. _____

Address: _____

Contact Details: _____

Bidder's Reference No. _____ Date _____

Note: The list below is indicative only. You may attach more documents as required to confirm your eligibility criteria.

(Please tick appropriate boxes or cross out any declaration not applicable to the Bidder)

We hereby confirm that we comply with the stipulated eligibility criteria and declare as under and shall provide evidence of our continued eligibility to BRBNMPL as may be requested:

1. **Legal Name of Bidder Firm:**
2. **OEM/Authorized representative/Dealership Status:**
3. We are,
☐ a Joint Venture
☐ not a Joint Venture
4. We solemnly declare that we (including our affiliates or subsidiaries or constituents):
☐ are not insolvent, in receivership, bankrupt or being wound up, not have our affairs administered by a court or a judicial officer, not have our business activities suspended and are not the subject of legal proceedings for any of these reasons;
(including our Contractors/subcontractors for any part of the contract):
☐ Do not stand declared ineligible/blacklisted/banned/debarred by BRBNMPL or its subsidiaries or by any Ministry/Department of GoI from participating in its Tender Processes or by any Government Agency anywhere in the world, for participating in their tenders, under that country's laws or official regulations; and/or
☐ Are not convicted (within three years preceding the last date of bid submission) or stand declared ineligible / suspended / blacklisted / banned / debarred by appropriate agencies of Government of India from participation in Tender Processes of all of its entities, for offences mentioned in Tender Document in this regard. We have neither changed our name nor created a new "Allied Firm", consequent to the above disqualifications.
☐ Do not have any association (as bidder / partner / Director / employee in any capacity) with such retired officials or near relations of such officials of BRBNMPL.
☐ We have no conflict of interest, which substantially affects fair competition. The prices quoted are competitive and without adopting any unfair/ unethical/anti-competitive means. No attempt has been made or shall be made by us to induce any other bidder to submit or not to submit an offer to restrict competition.

5. **Restrictions on procurement from bidders from a country sharing land border with India** Order (Public Procurement No. 1) issued vide F.No.6/18/2019 -PPD dated 23rd July 2020 (and its amendments, if any) by Department of Expenditure, Ministry of Finance

We certify as under:

"We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries, and solemnly certify that we fulfil all requirements in this regard and are eligible to be considered. We certify that:

- ☐ we are not from such a country or, if from such a country, we are registered with the Competent Authority (copy enclosed); and
- ☐ we shall not subcontract any work to a contractor from such countries unless such contractor is registered with the Competent Authority.

6. **MSMEs Status**

Having read and understood the Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 (as amended and revised till date), and solemnly declare the following:

- a) We are a,
 - ☐ Micro Enterprise
 - ☐ Small Enterprise
 - ☐ Medium Enterprise
 - ☐ Others
- b) We are a MSE and we are classified as,
 - ☐ Manufacturer
 - ☐ Service Provider
 - ☐ Trader / dealer / reseller / distributor / authorized agent
 - ☐ Not applicable
- c) We are a MSE and submit herewith Udyam Registration Certificate as proof of our being MSE registered on the Udyam Registration Portal. The certificate is the latest up to the deadline for submission of the bid.
 - ☐ Udyam Registration No.
- d) We are a MSE and our Proprietor / Partner belongs to,
 - ☐ SC (if applicable, specify ____% of shares)
 - ☐ ST (if applicable, specify ____% of shares)
 - ☐ Women (if applicable, specify ____% of shares)
 - ☐ Not applicable

7. **Start-up Status**

We confirm that as per the definition of the Department of Promotion of Industrial and Internal Trade – DPIIT, we are

- ☐ a Start-up
- ☐ not a Start-up

8. Make in India Status

Having read and understood the Public Procurement (Preference to Make in India) Order, 2017 (as amended and revised till date) and related notifications from the relevant Nodal Ministry/Department, and solemnly declare the following:

a) Self-Certification for category of supplier:

(Provide a certificate from statutory auditors / cost accountant in case of Tenders above ₹10 Crore for Class-I or Class-II Local Suppliers).

Details of local content and location(s) at which value addition is made are as follows:

Local content %age	
Location(s) of value addition	

Therefore, we certify that we qualify for the following category of the supplier:

- ☐ Class-I Local Supplier
- ☐ Class-II Local Supplier
- ☐ Non-Local Supplier

b) We also declare that

- ☐ There is no country whose bidders have been notified as ineligible on reciprocal basis under this order for the offered Works, or
- ☐ We do not belong to any Country whose bidders are notified as ineligible on a reciprocal basis under this order for the offered Works.

9. Confidentiality Declaration: We hereby undertake that the information contained in this document, shall not, in whole or in part, be reproduced, transferred to other documents/ electronic media or disclosed to others without the written consent of BRBNMPL. We shall also undertake to maintain secrecy, exclusivity and confidentiality of the high security currency printing environment of BRBNMPL.

10. Penalties for false or misleading declarations: We hereby confirm that the particulars given above are factually correct and nothing is concealed and also undertake to advise any future changes to the above details. We understand that any wrong or misleading self-declaration by us would be violation of Code of Ethics and would attract penalties as mentioned in this tender document, including debarment.

.....

(Signature with date)

Name and designation:

Duly authorized to sign bid for and on behalf of M/s.....

[Name & address of Bidder and seal of company]

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED*(Wholly owned subsidiary of Reserve Bank of India)*

P.O. RBNM, Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132

TENDER DOCUMENT FOR DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU**E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026****Section XIX: Proforma of Bills for Payment****(PM/SBD/009)**

(Refer Clause 22.6 of GCC)

(Procuring units may denote mandatory fields as per their requirement)

[Name and Address of the Firm]

PAN : CIN : XXXXXXXXXXXX (as per Company law)

[Regd. Office address] (as per Company law)

[Address of place of business under GST]

GSTIN of the respective place of business:

Bill No.....

Dated.....

Purchase order No.....

Dated.....

[Name and address of the consignee]

Place of supply: name of the city, name of the state

Sl. No.	Authority for purchase	Description of Stores	HSN/ SAC	Number or quantity	Taxable value	Rate/ Price	Taxable value
Total							

1. Applicable CGST, SGST, IGST and UTGST Amount
2. Freight (if applicable)
3. Packing and Forwarding charges (if applicable)
4. Others (Please specify)
5. PVC Amount (with Calculation sheet enclosed)
6. (-) deduction/Discount
7. Net amount payable (in words)

Dispatch detail RR No./other proof of dispatch..... Dated..... (enclosed)

Inspection Certificate No.....Dated..... (enclosed)

Income Tax Clearance Certificate No..... Dated..... (enclosed)

GST Registration certificate..... (enclosed)

(If it is already being collected, the same may be ignored)

Place and Date.....

Received ₹..... (Rupees).....

I hereby certify that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.

Signature and Stamp of Supplier

Section XX: Pre-Contract Integrity Pact**(To be executed on plain paper and applicable for all tenders of value above ₹ 5 crore)****e-Tender No. 004/SAL/PUR/2026-27 dated 22/06/2026 for DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU****INTEGRITY PACT**

Between

Bharatiya Reserve Bank Note Mudran Private Limited (BRBNMPL) hereinafter referred to as “The Principal”

and

..... Hereinafter referred to as “**The bidder/ Contractor.**”**Preamble**

The Principal intends to award, under laid down organizational procedures, contract/s for The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relations with its Bidder(s) and / or Contractor(s).

- a) In order to achieve these goals, Independent External Monitors (IEMs), appointed by the Principal will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.
- b) Integrity Pact, in respect of a particular contract, shall be operative from the date IP is signed by both the parties and will be effective till the completion of contractual obligations. The IEMs shall examine all the representations/grievances/ complaints received by them from the bidders or their authorized representative related to any discrimination
- c) In case of a joint venture, all the partners of the joint venture should sign the Integrity Pact. In case of sub-contracting (if permissible under the contract), the Principal contractor shall take responsibility of the adoption of IP by the sub-contractor. It is to be ensured that all sub-contractors also sign the IP. In case of sub-contractors, the IP will be a tri-partite arrangement to be signed by the Organization, the contractor, and the sub-contractor.

Section 1 – Commitments of the Principal

- (1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -
 - a) The Principal should not seek or accept any benefit, which is not legally available.
 - b) No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - c) The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or

the contact execution.

- d) The Principal will exclude from the process all known prejudiced persons.
- (2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder(s)/Contractor(s)

- (1) The Bidder(s) / Contractor(s) commit themselves to take all measures necessary to prevent corruption. The Bidder(s) / Contractor(s) commit themselves to observe the following principles during participation in the tender process and during the contract execution.
 - a) The Bidder(s) / Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
 - b) The Bidder(s) / Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
 - c) The Bidder(s) / Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s) / Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - d) Bidders are required to submit a self-declaration that they are not engaging any agent for participation in the bidding / procurement process. However, if engagement of agents is permitted as mentioned in the tender, then foreign bidders should disclose the name and address of agents and representatives in India. Bidders should disclose the payments to be made by them to agents or brokers or any other intermediary;
 - e) Indian Bidders to disclose their foreign principals or associates.
 - f) Bidders/contractor(s) should disclose any transgressions with any other public/government organization that may impinge on the anti-corruption principle. The date of such transgression, for the purpose of disclosure by the bidders in this regard, would be the date on which cognizance of the said transgression was taken by the competent authority. The period for which such transgression(s) is/are to be reported by the bidders shall be the last three years to be reckoned from date of bid submission. The transgression(s), for which cognizance was taken even before the said period of three years, but are pending conclusion, shall also be reported by the bidders.
 - g) Bidder(s) / Contractor(s) who have signed the Integrity Pact shall not approach the Courts while representing the matter to IEMs and shall wait for their decision in the matter
- (2) The Bidder(s) / Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 – Disqualification from tender process and exclusion from future contracts

- a) If the Bidder(s) / Contractor(s), before award or during execution has committed a transgression

through a violation of Section 2, above or in any other form such as to put their reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s) / Contractor(s) from the tender process or take action as per clause 6.5 (Ban and Blacklisting) of procurement manual of BRBNMPL.

- b) Any violation of Integrity Pact would entail disqualification of the bidders and exclusion from future business dealings, as per the existing provisions of GFR, 2017, PC Act, 1988 and other Financial Rules/Guidelines etc. as may be applicable to the organization concerned.

Section 4 – Compensation for Damages

- (1) If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.
- (2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the contractor liquidated damage of the Contract value of the amount equivalent to Performance Bank Guarantee.

Section 5 – Previous transgression

- (1) The BIDDER declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country confirming to anticorruption approach in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDER's exclusion from the tender process.
- (2) If the Bidder makes incorrect statement on the subject, he can be disqualified from the tender process or action can be taken as per clause 6.5 (Ban and Blacklisting) of procurement manual of BRBNMPL.

Section 6 – Equal treatment of all Bidders / Contractors / Subcontractors

- (1) In case of Sub-contracting, the Principal Contractor shall take the responsibility of the adoption of Integrity Pact by the Sub-contractor.
- (2) The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors.
- (3) The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 – Criminal charges against violating Bidder(s) / Contractor(s) / Subcontractor(s)

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer.

Section 8 – Independent External Monitor

Name of the IEM: Shri Ravi Dutt Kamboj & Dr. Ravendra Singh

E-mail: rdkamboj@yahoo.com & ravendra026@gmail.com

- (1) The Principal appoints competent and credible Independent External Monitor for this Pact after approval by Central Vigilance Commission. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- (2) The Monitor is not subject to instructions by the representatives of the parties and performs his/her functions neutrally and independently. The Monitor would have access to all Contract documents, whenever required. It will be obligatory for him/her to treat the information and documents of the Bidders/Contractors as confidential. He / she reports to the Chairman, BRBNMPL.
- (3) The Bidder(s) / Contractor(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his/her request and demonstration of a valid interest, unrestricted and unconditional access to their project documentation. The same is applicable to Sub-contractors.
- (4) The Monitor is under Contractual obligation to treat the information and documents of the Bidder(s) / Contractor(s)/ Sub-contractor(s) with confidentiality. The Monitor has also signed declarations on 'Non-Disclosure of Confidential Information' and of 'Absence of Conflict of Interest'. In case of any conflict of interest arising at a later date, the IEM shall inform Chairman, BRBNMPL and recuse himself / herself from that case.
- (5) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
- (6) As soon as the Monitor notices, or believes to notice, a violation of this agreement he/she will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- (7) The monitor will submit a written report to the Chairman, BRBNMPL within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.
- (8) If the Monitor has reported to the Chairman, BRBNMPL, a substantiated suspicion of an offence under relevant IPC / PC Act, and Chairman BRBNMPL has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.
- (9) In the event of any dispute between the management and the contractor relating to those contracts where Integrity Pact is applicable, in case, both the parties are agreeable, they may try to settle dispute through mediation before the panel of IEMs in a time bound manner. If required, the organizations may adopt any mediation rules for this purpose. However, not more than five meetings shall be held for a particular dispute resolution. The fees/expenses on dispute resolution shall be equally shared by both the parties.
- (10) In case, the dispute remains unresolved even after mediation by the panel of IEMs, the organization may take further action as per the terms & conditions of the contract.
- (11) The word '**Monitor**' would include both singular and plural.

Section 9 – Pact Duration

The Pact begins when both parties have legally signed it. It expires from the Contractor 12 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings.

If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged / determined by Chairman of BRBNMPL.

Section 10 – Other provisions

- (1) This agreement is subject to Indian Law Place of performance and jurisdiction is the Registered Office of the Principal, i.e., Bengaluru.
- (2) Changes and supplements as well as termination notice need to be made in writing. Side agreements have not been made.
- (3) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- (4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- (5) Issues like Warranty/Guarantee etc. shall be outside the purview of IEMs.
- (6) In the event of any contradiction between the Integrity Pact and its Annexure, the clause in the Integrity Pact will prevail.

(For & On behalf of the Principal)
(Office Seal)

(For & On behalf of Bidder/ Contractor)
(Office Seal)

Place:

Date:

Witness 1:
(Name & Address)

Witness 1:
(Name & Address)

Witness 2:
(Name & Address)

Witness 2:
(Name & Address)

Annexure 1

Explanatory Note on Public Procurement (Preference to Make in India) Order, 2017

- The Govt. of India has decided to incentivise the growth of local content in goods and services through the Make in India Policy by providing purchase preference to the manufacturers/service providers having capability to meet/exceed the local content targets. Incentivising enhanced local content in the procurement of goods and/or services would lead to increased local industry content.
- The ultimate aim of the policy is to support and boost the growth of domestic manufacturing sector with a view to enhancing income and employment and contribute added value to economy, absorb manpower as well as have national, regional and international competitiveness.
- Local content can be increased through partnerships, cooperation with local companies, establishing production units in India or joint ventures (JV) with Indian suppliers, increasing the participation of local employees in services and training them etc.
- The provisions of this policy shall apply to all procurements of goods, services, including System Integrator (SI) contracts, and works, including Engineering, Procurement and Construction (EPC) contracts. However, the provisions of this policy shall not apply to small procurements where estimated value to be procured is less than ₹5 lakh.

Definitions

- Domestic Products shall be goods and/or services (including design and engineering), produced by companies, investing and producing in India.
- Domestic Manufacturer shall be business entity or individual having business activity established under Indian law and producing products domestically.
- Local Content (LC) means the amount of value added in India which shall, unless otherwise prescribed by the Nodal ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.
- Local Content (LC) in Goods shall be the use of raw materials, design and engineering towards manufacturing, fabrication, assembly and finishing of work carried out within the country.
- Local Content (LC) in Services shall be the use of services up to the final delivery by utilizing manpower (including specialists), working appliance (including software) and supporting facilities carried out within the country.
- 'Margin of purchase preference' means the maximum extent to which the price quoted by a "Class-I local supplier" may be above the L1 (lowest bid) for the purpose of purchase preference.
- Supplier of Goods and/or provider of Services shall be a business entity having capability of providing Goods and/or Services in accordance with the business line and qualification thereof and classified as under: -
 - 'Class-I local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50% as defined under Make in India policy.
 - 'Class-II local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under Make in India policy.
 - 'Non-local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content less than or equal to 20%, as defined under Make in India policy.

Eligibility to bid

- Only Class-I local suppliers and Class-II local suppliers shall be eligible to bid in all procurements except when Global Tender Enquiry, allowed if purchase value is more than ₹200 crore*, is issued.
- In local procurement of all goods, services and works in respect of which the Nodal ministry / Department has communicated that there is sufficient local capacity and local competition, only Class-I local supplier shall be eligible to bid irrespective of purchase value.
- For all other local procurements, both Class-I local supplier and Class-II local supplier shall be eligible to bid irrespective of purchase value but purchase preference shall be given to Class-I local supplier only.
- In global tender enquiries, Non-local suppliers shall also be eligible to bid along with Class-I local suppliers and Class-II local suppliers. Class-I local supplier shall be given purchase preference.
- Class-I local suppliers and Class-II local suppliers shall be eligible to get relaxations in eligibility criteria like turnover, production capability and financial strength. Eligibility criteria on previous experience shall not require proof of supply to other countries or proof of exports for any class of suppliers. However, Purchase preference shall be given to Class-I local suppliers only. Class-II local suppliers or Non-local suppliers shall not get purchase preference in any procurement.
- Bidders offering imported products/content cannot, repeat cannot, claim themselves as Class-I local suppliers/Class-II local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training, after sales service support like AMC/CMC etc. as local value addition. Such bidders will fall under the category of Non-local suppliers.

S/N	Scenario	Tender Type	Tender value	Eligible bidder	Relaxation / Purchase preference
1	There is sufficient local capacity and competition	OTE/NCB	Any value	'Class-I local supplier'	• Relaxation (as per para 10 (a) and (b) of order) • No purchase preference
2	There isn't sufficient local capacity and competition	OTE/NCB	Any value	'Class-I local supplier' 'Class-II local supplier'	• Relaxation (as per para 10 (a) and (b) of order) • Purchase preference to 'Class-I local supplier'
		GTE/ICB	Any value*	'Class-I local supplier' 'Class-II local supplier' 'Non-local supplier'	• Relaxation (as per para 10 (a) and (b) of order) to Class-I and Class-II local suppliers only • Purchase preference to 'Class-I local supplier'

* For tender value < ₹200 crore, GTE/ICB shall not be issued except with the approval of Competent Authority as per amended Rule 161 (iv) of GFR 2017

Procedure for purchase preference

The manufacturers/service providers having the capability of meeting/exceeding the local content targets shall be eligible for purchase preference under the Policy as described below: -

- Where the quoted price is within the margin of purchase preference of the lowest price, other things being equal, purchase preference shall be granted to the bidder concerned (eligible techno-commercially qualified Class-I local supplier) at the lowest valid price bid. The margin of purchase preference shall be 20%.
- The successful bidder shall be obliged to fulfil the requirements of quality and delivery time in accordance with provisions of the purchase order/contract.
- BRBNMPL shall have the right to satisfy itself of the production capability and product quality of the manufacturer.
- Procedure for granting purchase preference to Class-I local suppliers under various scenarios is given in **Annex-I**.

Verification of local content

- Class-I local suppliers and Class-II local suppliers shall furnish the following undertaking from the authorized signatory of the bidder along with their techno-commercial bid. The undertaking shall become a part of the contract.

Class-I local supplier

"We _____ (name of the bidder) undertake that we meet the mandatory minimum local content requirement i.e. equal to or more than 50% for qualifying as Class-I local supplier as per the Make in India Policy for claiming purchase preference against tender No. _____. The percentage of local content in the bid is _____%."

Class-II local supplier

"We _____ (name of the bidder) undertake that we meet the mandatory minimum local content requirement i.e. more than 20% but less than 50% for qualifying as Class-II local supplier as per the Make in India Policy for participating against tender No. _____. The percentage of local content in the bid is _____%."

Location(s) at which local value addition is made:

- In case of procurement for a value in excess of ₹10 crores, above undertaking shall be supported by the following certificate from Statutory Auditor engaged by the bidder or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies), on the letterhead of such Statutory Auditor etc.

Class-I local supplier

"We the Statutory Auditor (or as the case may be) of M/s. _____ (name of the bidder) hereby certify that M/s. _____ (name of the bidder) meet the mandatory local content requirement of the Goods and/or Services i.e. equal to or more than 50% for qualifying as Class-I local supplier as per the Make in India Policy for claiming purchase preference against tender No. _____. The percentage of local content in the bid is _____%."

Class-II local supplier

"We the Statutory Auditor (or as the case may be) of M/s. _____ (name of the bidder) hereby certify that M/s. _____ (name of the bidder) meet the mandatory local content requirement of the Goods and/or Services i.e. more than 20% but less than 50% for qualifying as Class-II local supplier as per the Make in India Policy for participating against tender No. _____. The percentage of local content in the bid is _____%."

Note:

- In case of a foreign bidder, certificate (with regard to fulfilment of minimum mandatory local content requirement) from Statutory Auditor or cost auditor of their own office or subsidiary in India giving percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/subsidiary is not required to appoint Statutory Auditor or cost auditor, certificate from a practicing chartered accountant in India or practicing cost accountant in India shall also be acceptable.
- In case manufacturer/service provider himself is bidding then the certificate shall be submitted by the Statutory Auditors etc. of the manufacturer/service provider.
- In case the bidder is a supplier quoting on behalf of manufacturer/service provider then the certificate shall be submitted by the Statutory Auditors etc. of the supplier. The responsibility for the certificate provided by the Statutory Auditor etc. of the supplier shall be that of the supplier.
- Each supplier shall provide the necessary local content documentation to the Statutory Auditor (or as the case may be), which shall review and determine that local content requirements have been met and issue a local content certificate to that effect, stating the % of local content in the goods or services measured. The Auditor shall keep all necessary information obtained from the supplier for measurement of local content confidential.
- During the execution of the contract, local content certificate shall have to be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total purchase of the pro-rata local content requirement. In case it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.
- Non-local suppliers shall also indicate percentage of local content component in their bid as under: -
"Percentage of local content as per the make in India Policy in the bid of M/s. _____ (name of the bidder) is _____%."
- The prescribed local content in the Make in India Policy shall be applicable on the date of Notice Inviting Tender (NIT).
- Where currency quoted by the bidder is other than INR, then the bidder claiming benefits under Make in India Policy shall consider exchange rate prevailing on the date of Notice Inviting tender (NIT) for the calculation of local content.
- Since Class-I / Class-II local suppliers are eligible to bid only if they meet the local content norms, therefore, irrespective of whether they are willing to seek benefits under the Make in India Policy or not, it is mandatory for them to submit adequate documentation as follows to establish their status as Class-I / Class-II local supplier. In fact, all bidders (i.e. Class-I local suppliers, Class-II local suppliers, Non-local suppliers) are required to mention local content in their bid and to submit the requisite documents as per the requirement of the Policy.
- BRBNMPL shall have the authority to audit as well as witness production processes to certify the achievement of the requisite local content.

Determination of local content**Local content of Goods**

- Local Content (LC) in Goods shall be the use of raw materials, design and engineering towards manufacturing, fabrication, assembly and finishing of work carried out within the country.
- Local content shall be computed on the basis of the cost of domestic components in goods, compared to the whole cost of the product.
- The criteria for the determination of the local content cost shall be as follows: -

- a. In the case of direct component (material), based on country of origin;
- b. In the case of manpower based on INR component;
- The calculation of local content of the combination of several kinds of goods shall be based on the ratio of the sum of the multiplication of local content (%) of each of the goods with the acquisition price of each of the goods to the acquisition price of the combination of the goods.

Local content of Services

- Local Content (LC) in Services shall be the use of services up to the final delivery by utilizing manpower (including specialists), working appliance (including software) and supporting facilities carried out within the country.
- Local content of services shall be calculated on the basis of the ratio of service cost of domestic component in service to the total cost of service.
- The total cost of service shall be constituted of the cost spent for rendering of service, covering:
 - a. Cost component (material) which is used;
 - b. Manpower and consultant cost; cost of working equipment/facility; and
 - c. General service cost.
- The criteria for determination of cost of local content in the services shall be as follows:
 - a. In the case of material being used to help the provision of service, based on country of origin;
 - b. In the case of manpower and consultant based in INR component of the services contract;
 - c. In the case of working equipment/facility, based on country of origin; and
 - d. In the case of general service cost, based on the criteria as mentioned in clauses a, b and c above

Local content of EPC contracts

- Local content in Engineering, Procurement and Construction (EPC) contracts where supply of both goods and services are involved shall be the ratio of the whole cost of domestic components in the combination of goods and services to the whole combined cost of goods and services.
- The whole combined cost of goods and services shall be the cost spent to produce the combination of goods and services, which is incurred in the work site.
- Local content of the combination of goods and services shall be counted in every activity of the combination work of goods and services.
- The spent cost shall include production cost in the calculation of local content of goods and service cost in the calculation of local content of services.
- Local content shall be calculated on the basis of verifiable data. In case data used in calculation of local content not being verifiable, the value of local content of the said component shall be treated as 'Nil'.

False declarations and Sanctions

- BRBNMPL shall have the right to impose sanctions on the bidder/manufacturer/ service provider for not fulfilling the local content of goods/services in accordance with the value mentioned in the certificate of local content. The sanctions may be in the form of written warning, financial penalty and debarment.
- If the bidder does not fulfil his obligations after the expiration of the period specified in such warning, BRBNMPL shall have the right to initiate action for debarment such bidder or impose financial penalty on the bidder or both.
- A bidder, who has been awarded the contract after availing purchase preference, is found to have violated the local content provision in the execution of the procurement contract of goods and/or services, shall be subject to financial penalty up to a maximum of 10% of the contract value. In such a case, BRBNMPL reserves the right to invoke the performance bank guarantee submitted by the bidder.
- Class-I local suppliers and Class-II local suppliers shall furnish the following undertaking from the authorized signatory of the bidder along with their techno-commercial bid. The undertaking shall become a part of the contract.
"We understand that false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the GFR for which a bidder or its successor may be debarred for up to two years as per Rule 151(iii) of GFR along with such other actions by BRBNMPL as may be permissible under law including financial penalty up to a maximum of 10% of the contract value. In such a case, BRBNMPL reserves the right to invoke the performance bank guarantee submitted by the bidder."

Reciprocity clause

- Entities of countries which have been identified by the nodal Ministry/Department as not allowing Indian companies to participate in their Government procurement for any item related to that nodal Ministry, shall not be allowed to participate in Government procurement in India for all items related to that nodal Ministry/Department, except for the list of items published by the Ministry/ Department permitting their participation. The term 'entity' of a country shall have the same meaning as under the FDI Policy of DPIIT as amended from time to time.
- Hence, prospective foreign bidders intending to participate in tenders floated by BRBNMPL, shall furnish the following declaration,
"We do not belong to any country whose bidders are notified as ineligible on reciprocal basis under the Make in India order of Government of India"

Manufacture under license / technology collaboration agreements with phased indigenization under 'Make in India'

- (i) Suppliers may be exempted from meeting the stipulated local content if the product is being manufactured in India under a license from a foreign manufacturer who hold intellectual property rights and where there is a technology collaboration agreement / transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phasing of increase in local content within the validity of the contract.
- (ii) In procurement of all goods, services or works in respect of which the Nodal ministry has not notified that there is sufficient local capacity and local competition, procuring entities may prescribe in their respective tenders that foreign companies may participate in the tender through a subsidiary or a joint venture with an Indian company. Such subsidiaries/joint ventures may be exempted from meeting the stipulated minimum local content requirement, provided there is clear phasing of increase in local content within the validity of the contract. Such subsidiaries/joint ventures must obtain an exemption letter and submit the same along with their bid to avail the exemption.

Annexure 2**Procedure for Purchase Preference under Make in India Order, 2017**

- i. Procurement of Goods and Works which are *divisible* in nature (but without split order clause): -
 - If L1 is 'Class-I local supplier' – 100% awarded to L1
 - If L1 is *not* 'Class-I local supplier' – 50% awarded to L1
 - Remaining 50% awarded to lowest bidder among 'Class-I local supplier' falling within L1+20% subject to matching L1 price
 - If lowest bidder among 'Class-I local supplier' is unable to match L1 price or accepts less than offered quantity, next lowest 'Class-I local supplier' bidder within L1+20% is invited to match L1 price for remaining quantity and so on and contract will be awarded accordingly
 - If some quantity is still left uncovered on 'Class-I local supplier', then such balance quantity can be ordered on the original L1 bidder
 - If none of the 'Class-I local supplier' bidder within L1+20% is able to match L1 price or no 'Class-I local supplier' falls within L1+20%, contract awarded to original L1 bidder
 - When the tendered goods/services cannot be divided in the exact ratio of 50:50 then BRBNMPL reserves the right to award on lowest eligible Class-I local supplier for quantity not less than 50%, as may be dividable.
E.g.: In case tendered quantity is 3 (not divisible in the ratio of 50:50), Class-I local supplier shall get order for 2 nos. and the rest will go to L1 (who is not a Class-I local supplier).
- ii. Procurement of Goods and Works which are *not divisible* in nature and procurement of Services where bid is evaluated on price alone: -
 - If L1 is 'Class-I local supplier' – 100% awarded to L1
 - If L1 is *not* 'Class-I local supplier'
 - Lowest bidder among 'Class-I local supplier' falling within L1+20% is invited to match L1 price – contract awarded subject to matching L1 price
 - If lowest bidder among 'Class-I local supplier' is unable to match L1 price, next lowest 'Class-I local supplier' bidder within L1+20% is invited to match L1 price and so on and contract will be awarded accordingly
 - If none of the 'Class-I local supplier' bidder within L1+20% is able to match L1 price or no 'Class-I local supplier' falls within L1+20%, contract awarded to original L1 bidder
- iii. Procedure to be adopted in case of tenders with *split order/parallel contracts* clause:
 - If in normal course of splitting of orders between L1 and L2 bidders (70:30) or L1, L2 and L3 bidders (50:30:20), 'Class-I local suppliers' qualify for award of contract for at least 50% of the tendered quantity without resorting to purchase preference, then parallel contracts may be awarded to original L1 and L2 bidders or L1, L2 and L3 bidders, as the case may be, as per the split order/parallel contracts clause stipulated in the tender
 - If, however, 'Class-I local suppliers' do not qualify for award of contract for at least 50% of the tendered quantity, purchase preference shall be given to 'Class-I local suppliers' provided their quoted rate falls within 20% of **the highest quoted bidder considered for award of contract** so as to ensure that 'Class-I local suppliers' taken in totality are considered for award of contract for at least 50% of the tendered quantity
 - In case of 2-way splitting between L1 and L2 bidders in the ratio of 70:30, the **L2** bidder shall be treated as **the highest quoted bidder considered for award of contract**
 - In case of 3-way splitting between L1, L2 and L3 bidders in the ratio of 50:30:20, the **L3** bidder shall be treated as **the highest quoted bidder considered for award of contract**

Examples of splitting of orders**➤ In case of two-way splitting between L1 and L2 bidders in the ratio of 70:30**

- If L1 is 'Class-I local supplier' – 70% awarded to L1
 - If L2 is 'Class-I local supplier' – remaining 30% awarded to L2 subject to matching L1 price
 - If L2 is *not* 'Class-I local supplier' – Remaining 30% awarded to lowest bidder among 'Class-I local suppliers' falling within **L2+20%** subject to matching L1 price
 - If lowest bidder among 'Class-I local suppliers' is unable to match L1 price or accepts less than offered quantity, next lowest 'Class-I local supplier' falling within **L2+20%** is invited to match L1 price for remaining quantity and so on and contract will be awarded accordingly
 - If some quantity is still left uncovered on 'Class-I local supplier', then such balance quantity can be ordered on the original L1 bidder
 - If none of the 'Class-I local suppliers' falling within **L2+20%** is able to match L1 price or there are no 'Class-I local suppliers' falling within **L2+20%**, then contract shall be awarded to original L1 and L2 (L3, L4...and so on) bidders in the ratio 70:30 subject to matching L1 price
- If L1 is *not* 'Class-I local supplier' – 50% awarded to L1
 - If L2 is 'Class-I local supplier' – remaining 50% awarded to L2 subject to matching L1 price
 - If L2 is *not* 'Class-I local supplier' – Remaining 50% awarded to lowest bidder among 'Class-I local suppliers' falling within **L2+20%** subject to matching L1 price
 - If lowest bidder among 'Class-I local suppliers' is unable to match L1 price or accepts less than offered quantity, next lowest 'Class-I local supplier' falling within **L2+20%** is invited to match L1 price for remaining quantity and so on and contract will be awarded accordingly
 - If some quantity is still left uncovered on 'Class-I local supplier', then such balance quantity can be ordered on the original L1 bidder
 - If none of the 'Class-I local suppliers' falling within **L2+20%** is able to match L1 price or there are no 'Class-I local suppliers' falling within **L2+20%**, then contract shall be awarded to original L1 and L2 (L3, L4...and so on) bidders in the ratio 70:30 subject to matching L1 price

➤ In case of three-way splitting between L1, L2 and L3 bidders in the ratio of 50:30:20

- If L1 is 'Class-I local supplier' – 50% awarded to L1

- If L2 and L3 are 'Class-I local suppliers' – 30% and 20% awarded to L2 and L3 bidders respectively subject to matching L1 price
- If *either* L2 or L3 is a 'Class-I local supplier' – 30% awarded to L2 or L3, whoever is a 'Class-I local supplier', subject to matching L1 price – remaining 20% awarded to lowest among other 'Class-I local suppliers' falling within **L3+20%** subject to matching L1 price
 - » If there are no other 'Class-I local suppliers' falling within **L3+20%**, then the contract will be split into two in the ratio of 50:50 and the remaining 50% shall be awarded to *either* L2 or L3, whoever is a 'Class-I local supplier', subject to matching L1 price
- If L2 and L3 are *not* 'Class-I local suppliers' – remaining 30% and 20% awarded to lowest two bidders amongst 'Class-I local suppliers' falling within **L3+20%** subject to matching L1 price
- If any of the two lowest bidders among 'Class-I local suppliers' is unable to match L1 price or accepts less than offered quantity, next lowest 'Class-I local supplier' within **L3+20%** is invited to match L1 price for remaining quantity and so on and contract will be awarded accordingly
 - » If there is only one eligible 'Class-I local supplier' falling within **L3+20%** then the contract will be split into two in the ratio of 50:50 and the remaining 50% shall be awarded to the single eligible 'Class-I local supplier' subject to matching L1 price
- If some quantity is still left uncovered on 'Class-I local supplier', then such balance quantity can be ordered on the original L1 bidder
- If none of the 'Class-I local suppliers' within **L3+20%** is able to match L1 price or there are no 'Class-I local suppliers' falling within **L3+20%**, then contract shall be awarded to original L1, L2 (L3, L4... and so on) and L3 (L4, L5... and so on) bidders in the ratio 50:30:20 subject to matching L1 price
- If L1 is *not* 'Class-I local supplier' – 50% awarded to L1
 - If L2 and L3 are 'Class-I local suppliers' – 30% and 20% awarded to L2 and L3 bidders respectively subject to matching L1 price
 - If *either* L2 or L3 is a 'Class-I local supplier' – 30% awarded to L2 or L3, whoever is a 'Class-I local supplier', subject to matching L1 price – remaining 20% awarded to lowest among other 'Class-I local suppliers' falling within **L3+20%** subject to matching L1 price
 - » If there are no other 'Class-I local suppliers' falling within **L3+20%**, then the contract will be split into two in the ratio of 50:50 and the remaining 50% shall be awarded to *either* L2 or L3, whoever is a 'Class-I local supplier', subject to matching L1 price
 - If L2 and L3 are *not* 'Class-I local suppliers' – remaining 30% and 20% awarded to lowest two bidders amongst 'Class-I local suppliers' falling within **L3+20%** subject to matching L1 price
 - If any of the two lowest bidders among 'Class-I local suppliers' is unable to match L1 price or accepts less than offered quantity, next lowest 'Class-I local supplier' within **L3+20%** is invited to match L1 price for remaining quantity and so on and contract will be awarded accordingly
 - » If there is only one eligible 'Class-I local supplier' falling within **L3+20%** then the contract will be split into two in the ratio of 50:50 and the remaining 50% shall be awarded to the single eligible 'Class-I local supplier' subject to matching L1 price
 - If some quantity is still left uncovered on 'Class-I local supplier', then such balance quantity can be ordered on the original L1 bidder
 - If none of the 'Class-I local suppliers' within **L3+20%** is able to match L1 price or there are no 'Class-I local suppliers' falling within **L3+20%**, then contract shall be awarded to original L1, L2 (L3, L4... and so on) and L3 (L4, L5... and so on) bidders in the ratio 50:30:20 subject to matching L1 price

Annexure 3**Explanatory Note on
Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012**

1. The definition for Micro & Small Enterprise shall be as per the guidelines issued by Ministry of MSME vide Gazette Notification No. 1702(E) dated 01.06.2020 and 2119(E) dated 26.06.2020 which came into effect from 01.07.2020.
2. MSEs must be registered with any of the following in order to avail the benefits / preference available under MSEs Order, 2012:-
 - District Industries Centers (DIC)
 - Khadi and Village Industries Commission (KVIC)
 - Khadi and Village Industries Board
 - Coir Board
 - National Small Industries Corporation (NSIC)
 - Directorate of Handicraft and Handloom
 - Any other body specified by Ministry of MSME (MoMSME)
 - Udyog Aadhaar Acknowledgment / Udyog Aadhaar Memorandum issued by MoMSME
 - Udyam Registration Portal
3. MSEs participating in the tender must submit valid & authorised copy of certificate of registration with any one of the above agencies. In case of bidders submitting DIC registration certificate, they shall attach original notarised copy of the DIC certificate.
4. The registration certificate issued from any one of the above agencies must be valid as on Bid closing date of the tender. Bidder shall ensure validity of registration certificate in case bid closing date is extended.
5. The MSEs who have applied for registration or renewal of registration with any of the above agencies/bodies, but have not obtained the valid certificate as on closing date of the tender, are not eligible for exemption/preference. Where validity of such certificates such as NSIC certificate has lapsed, it shall be the responsibility of the bidder to seek renewal from the concerned Govt. agency before such expiry. *However, documentary evidence seeking extension before the lapse of validity of such certificate and an authorization letter from the Govt. agency having received application for renewal submitted before the bid closing date shall be accepted.*
6. To be classified as Micro or Small Enterprises as per new definition, the companies need to register themselves on "Udyam Registration Portal" on or after 01.07.2020. This provision is for new establishments as well as for existing MSEs registered with NSIC, UAM etc.
7. As per the new notification by the Government of India, every business unit registered under MSME / Udyog Aadhaar shall be treated as a valid MSME up to **30th June 2022** beyond which they need to be registered on Udyam Registration Portal to enjoy the MSME Benefits.
8. The provisions of this policy shall apply to all procurements of goods and services. **Work contracts are excluded from the purview of this policy.**
9. The MSEs registered with above mentioned agencies / bodies are exempted from payment of Earnest Money Deposit (EMD) & tender fees.
10. **MSE must be a Manufacturer/Service provider:** The MSE bidder must be a Manufacturer capable of manufacturing the tendered items / Service provider capable of rendering the tendered services by themselves to avail the benefits under MSEs Order, 2012. Traders/dealers/resellers/distributors/authorized agents will not be considered for availing benefits under MSEs Order, 2012 as per guidelines issued by MoMSME.
11. **Relaxation of Norms for Micro & Small Enterprises (MSEs):** Pre-qualification criteria with respect to Prior Turnover and Prior experience may be relaxed for Micro & Small Enterprises as per GOI guidelines subject to meeting of quality and technical specifications.
12. However, there may be circumstances like procurement of items/services related to public safety, health, critical security operations and equipment, etc., wherein BRBNMPL reserves the right to not consider relaxation of Prior Turnover and Prior Experience for Micro and Small Enterprises.
13. Items which are reserved for exclusive purchase from MSEs shall be procured from Micro and Small Enterprises as per Public Procurement Policy.
14. Subject to meeting terms and conditions stated in the tender document, *at least 25%* of the total quantity of the tender is earmarked for MSEs registered with above mentioned agencies / bodies.
15. In case MSE bidder is L1, entire value of the tender is to be ordered on the L1 MSE bidder.
16. In tender, participating MSEs quoting price within price band of L1 + 15% shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a MSE and such MSE shall be allowed to supply *at least 25%* of the total tendered value (where the tender quantity can be split).
17. In case of more than one such MSEs are in the price band of L1 + 15% and matches the L1 price, the supply may be shared proportionately if the job can be split.
18. In case the tendered quantity cannot be split, MSE shall be allowed to supply total tendered quantity provided their quoted price is within a price band of L1 + 15% and they match the L1 price.
19. If the quantity cannot be split and there are more than one eligible MSE bidders (price band within L1+15%) then the opportunity to match the L1 rate of the tender shall be given first to MSE (who have quoted lowest rate among the MSEs within the price band of L1+15%) and the total quantity shall be awarded to him after matching the L1 price of the tender.
20. If the MSE who have quoted lowest rate among the MSEs in the price band of L1 + 15% do not agree to match the rate of L1 of the tender, then the next ranked MSE bidder who has quoted within the price band of L1 + 15% in order shall be given chance to match the rate of L1 for award of the quantity/order.

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED*(Wholly owned subsidiary of Reserve Bank of India)*

P.O. RBNM, Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132

TENDER DOCUMENT FOR DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU**E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026**

21. For more clarity in this regard, following table is furnished: -

Type of Tender	Price quoted by MSE	Finalization of tender
Can be Split	L1	Full order on MSE
	Not L1 but within L1+15%	At least 25% order on MSE subject to matching L1 price
Cannot be split	L1	Full Order on MSE
	Not L1 but within L1+15%	Full Order on MSE subject to matching L1 price

22. The purchase preference to MSEs is not applicable for works contracts where supply of goods not produced by MSEs is also involved.
23. **Special provision for MSEs owned by SC & ST entrepreneurs:** Out of the 25% target of annual procurement from MSEs, 4% shall be earmarked for procurement from MSEs owned by SC & ST entrepreneurs. In the event of failure of such MSEs to participate in the tender process or meet the tender requirements and L1 price, 4% sub-target so earmarked shall be met from other MSEs.
24. To qualify for entitlement as SC/ST owned MSE, the SC/ST certificate issued by District Authority in addition to certificate of registration with any one of the agencies mentioned in paragraph 1 above. Alternatively, the bidder shall be responsible to furnish necessary documentary evidence for enabling BRBNMPL to ascertain that the MSE is owned by SC/ST entrepreneurs. MSE owned by SC/ST is defined as:
- In case of Proprietary MSE, proprietor(s) shall be SC/ST
 - In case of Partnership MSE, the SC/ST partners shall be holding at least 51% shares in the enterprise
 - In case of Private Limited Companies, at least 51% share shall be held by SC/ST promoters
25. **Special provision for MSEs owned by women entrepreneurs:** Out of the 25% target of annual procurement from MSEs, 3% shall be earmarked for procurement from MSEs owned by women entrepreneurs *in addition* to 4% earmarked for MSEs owned by SC/ ST entrepreneurs. MSE owned by Women is defined as:
- In case of Proprietary MSE, proprietor(s) shall be Women
 - In case of Partnership MSE, the Women partners shall be holding at least 51% shares in the enterprise
 - In case of Private Limited Companies, at least 51% share shall be held by Women promoters
26. **TReDS:** TReDS is an electronic institutional mechanism for facilitating the financing of trade receivables of MSMEs through multiple financiers. BRBNMPL is already registered on the following TReDS platforms: -
- M/s A TReDS (Invoicemart), Mumbai
27. MSE vendors are required to register on the TReDS platform. The MSME vendors can avail the TReDS facility, if they want to.

Annexure 4**Support to Start-Up Enterprises**

1. Subject to meeting of Quality and Technical specifications, BRBNMPL may consider allowing the participation of “Start-up” companies with capability to execute the supply / services, as per technical specifications / perform the job as per scope of work specified in the tender and subject to meeting extant & relevant guidelines of Government of India. This should be confirmed and substantiated in the technical bid.
2. The bidder who intends to participate as “Start-up” company should enclose the Certificate of Recognition issued by Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce & Industry, Govt. of India or a certificate of an eligible Start-up from the inter-Ministerial Board of Certification during submission of Technical bid.
3. The Nature of Business mentioned in application made to get Start-up accreditation should be related to the tendered item.
4. Start-ups registered with DPIIT are exempted from payment of Earnest Money Deposit (EMD) & tender fees. However, they shall be required only to submit Bid Securing Declaration.
5. Prequalification Criteria with respect to Prior Turnover and Prior Experience may be relaxed for Start-ups as per the GOI guidelines.
6. However, there may be circumstances like procurement of items/services related to public safety, health, critical security operations and equipment, etc. wherein BRBNMPL reserves the right to not consider relaxation of Prior Turnover and Prior Experience for Start-up Companies as per GoI guidelines.
7. Start-up Companies who are also registered as MSEs and wish to avail the benefits as applicable to MSE, shall submit relevant documents covered under Conditions for Micro and Small Enterprises elsewhere in this tender.
8. Definition of Start-up Enterprises
 - (i) As defined by DPIIT, an entity shall be considered as a 'Start-up':
 - a) Up to a period of ten years from the date of incorporation/registration, if it is incorporated as a private limited company (as defined in the Companies Act, 2013) or registered as a partnership firm (registered under section 59 of the Partnership Act, 1932) or a limited liability partnership (under the Limited Liability Partnership Act, 2008) in India, and
 - b) Turnover of the entity for any of the financial years since incorporation/ registration has not exceeded ₹100 (one hundred) crore, and
 - c) The entity works towards innovation, development or improvement of products or processes or services or a scalable business model with a high potential for employment generation or wealth creation.
 - (ii) Provided that an entity formed by splitting up or reconstructing an existing business shall not be considered a 'Start-up'.

Annexure 5

Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017

1. The Class-I local suppliers, under PPP-MII Order, participating in any government tender, may or may not be MSEs, as defined under the MSME Act. Similarly, MSEs participating in any government tender, may or may not be Class-I local suppliers. Suppliers may be categorised in following four broad categories for consideration or applicability of purchase preference:

Category	Terminology
Supplier is both MSE & Class-I local supplier	"MSE Class-I local supplier"
Supplier is MSE but not Class-I local supplier	"MSE but non-Class-I local supplier"
Supplier is not MSE but is Class-I local supplier	"Non-MSE but Class-I local supplier"
Supplier is neither MSE nor Class-I local	"Non-MSE non-Class-I local supplier"

2. The applicability of PPP-MSE Order and PPP-MII Order in various scenarios, involving simultaneous purchase preference to MSEs and Class-I local suppliers under PPP-MSE Order and PPP-MII Order respectively, shall be as under:
 - a) *Items covered under Para 3(a) of PPP- MII Order, 2017 for which Nodal Ministry has notified sufficient local capacity and competition:* For these items, only Class-I local suppliers are eligible to bid irrespective of purchase value. Hence, Class-II local suppliers or Non-local suppliers, including MSEs which are Class-II local suppliers/ Non-local suppliers, are not eligible to bid. Possible scenarios can be as under:
 - (i) L-1 is "MSE Class-I local supplier" - 100% of the tendered quantity is to be awarded to L-1
 - (ii) L-1 is "Non-MSE but Class-I local supplier" - Purchase preference is given to MSEs as per PPP-MSE Order. Balance quantity is to be awarded to the L-1 bidder
 - b) *Items reserved exclusively for procurement from MSEs as per PPP-MSE Order:* These items are reserved exclusively for purchase from MSEs. Hence, non-MSEs are not eligible to bid for these items. Possible scenarios can be as under:
 - (i) L-1 is "MSE Class-I local supplier" - 100% of the tendered quantity is to be awarded to L-1
 - (ii) L-1 is "MSE non-Class-I local supplier" - Purchase preference is to be given to Class-I local supplier as per PPP-MII Order. Balance quantity, is to be awarded to L-1 bidder
 - c) *If items are neither notified for sufficient local capacity nor reserved for MSEs, then the process will be as follows:*
 - c (a) Items covered under Para 3A(b) of PPP-MII Order are divisible items and both MSEs as well as Class-I local suppliers are eligible for purchase preference. Possible scenarios can be as under:
 - (i) L-1 is "MSE Class-I local supplier" - 100% of the tendered quantity is to be awarded to L-1
 - (ii) L-1 is "Non-MSE but Class-I local supplier" - Purchase preference is to be given to MSEs, if eligible, as per PPP-MSE Order. Balance quantity is to be awarded to L-1 bidder
 - (iii) L-1 is "MSE but non-Class-I local supplier" - Purchase preference is to be given to Class-I local suppliers, if eligible, as per PPP-MII Order. Balance quantity is to be awarded to L-1 bidder
 - (iv) L-1 is "Non-MSE non-Class-I local supplier" - Purchase preference is to be given to MSEs as per PPP-MSE Order. Thereafter, purchase preference is to be given to Class-I local suppliers for "50% of the tendered quantity minus quantity allotted to MSEs above" as per PPP- MII Order. For the balance quantity, contract is to be awarded to L-1 bidder. (Kindly refer to the illustrative example given at the end)
 - c (b) Items covered under Para 3A(c) of PPP-MII Order, 2017 are non-divisible items and both MSEs as well as Class-I local suppliers are eligible for purchase preference. Possible scenarios can be as under:
 - (i) L-1 is "MSE Class-I local supplier" - Contract is awarded to L-1
 - (ii) L-1 is not "MSE Class-I local supplier" but the "MSE Class-I local supplier" falls within 15% margin of purchase preference. Purchase preference is to be given to lowest quoting "MSE Class-I local supplier". If lowest quoting "MSE Class-I local supplier" does not accept the L-1 rates, the next higher "MSE Class-I local supplier" falling within 15% margin of purchase preference is to be given purchase preference and so on
 - (iii) If conditions mentioned in sub paras (i) and (ii) above are not met i.e. L-1 is neither "MSE Class-I local supplier" nor "MSE Class-I local supplier" is eligible to take benefit of purchase preference, the contract is to be awarded/ purchase preference to be given in different possible scenarios as under:
 - A) L-1 is "MSE but non-Class-I local supplier" or "Non-MSE but Class-I local supplier" - Contract is be awarded to L-1
 - B) L-1 is "Non-MSE non-Class-I local supplier" - First purchase preference to be given to MSE as per PPP-MSE Order. If MSE not eligible/ does not accept - purchase preference to be given to Class- I Local supplier as per PPP-MII Order. If Class-I Local supplier also not eligible/ does not accept - contract to be awarded to L-1
 - d) *Items reserved for both MSEs and Class-I local suppliers:* These items are reserved exclusively for purchase from MSEs as well as Class-I local suppliers. Hence, only "MSE Class-I local supplier" are eligible to bid for these items. Non-MSEs/Class-II local suppliers / Non-local suppliers cannot bid for these items. Hence the question of purchase preference does not arise.
 - e) Non-local suppliers, including MSEs falling in the category of Non-local suppliers, shall be eligible to bid only against Global Tender Enquiry.

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED*(Wholly owned subsidiary of Reserve Bank of India)*

P.O. RBNM, Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132

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(Scenario: Divisible items, both MSEs as well as Class-I local suppliers eligible for purchase preference and L-1 is "Non-MSE non-Class-I local supplier")

Item - Desktop computer.**Qty** - 50 Nos.**Details of bids received**

Sr. No.	Name of bidder	Rates quoted	Price Ranking	Status of bidder
1.	A	100	L1	Non-MSE non- Class-I local supplier"
2.	B	110	L2	"Non-MSE but Class-I local supplier"
3.	C	112	L3	"MSE but non- Class-I local supplier"
4.	D	115	L4	"Non-MSE but Class-I local supplier"
5.	E	118	L5	"MSE but non- Class-I local supplier"
6.	F	120	L6	"MSE Class-I local supplier"

1. In this case, first purchase preference is to be given to MSEs as per PPP-MSE Order for 25% of tendered quantity of 50 Nos. i.e. 12.5 Nos. (rounded off to the next whole number say 13 Nos). Accordingly, invite L3 (bidder C), whose quoted rates falls within 15% margin of purchase preference to match L-1 price i.e. ₹100 for quantity of 13 Nos. Bidder "E" and "F", although MSEs, will not get purchase preference since their quoted rates don't fall within 15% margin of purchase preference. Bidder C will be considered for order of 13 Nos. on confirmation of reduction of price.
2. For 50% of balance quantity of 37 number (tendered quantity of 50 - 13 awarded to bidder C; assuming bidder C has confirmed to accept L-1 rates), purchase preference will be given to lowest Class-I local supplier as per PPP-MIL Order. Accordingly, bidder B will be invited to match L-1 price for 50% of 37 Nos i.e. 18.5 (say 19 Nos of computers). If bidder "B" does not accept the L-1 price i.e. price of ₹100 per unit, next higher Class-I local supplier falling within 20% margin of purchase preference, i.e. bidder "D", may be invited to match L-1 price for 19 Nos. of computers and so on.
3. For remaining quantity i.e. 18 Nos (50-13-19), the contract will be awarded to lowest quoting bidder i.e. Bidder "A" who is L-1 in the example.

Annexure 6**Restrictions on Public Procurement from countries sharing land border with India**

1. Any bidder from a country which shares a land border with India, excluding countries as listed on the website of the Ministry of External Affairs, to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects (hereinafter called 'Restricted Countries'), will be eligible to bid in any procurement whether of Goods, Services (including Consultancy Services and Non-Consultancy Services) or Works (including Turnkey Projects) only if the bidder is registered with the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT). Bidders shall enclose the certificate in this regard in Section XVIII – Eligibility Declarations.
2. Further, any bidder (including bidder from India) having specified Transfer of Technology (ToT) arrangement with an entity from a country which shares a land border with India, shall also require to be registered with the same Competent Authority.
3. In Bids for Turnkey contracts, including Works contracts, the successful bidder shall not be allowed to sub-contract works to any contractor from such Restricted Countries unless such contractor is similarly registered. In such cases, bidders shall enclose the certificate in this regard in Section XVIII – eligibility declarations.
4. If Bidder has proposed to sub-contract Services or incidental Goods directly/ indirectly from the vendors from such countries, such vendor shall be required to be registered with the Competent Authority. However, if Bidder procures raw material, components, and sub-assemblies from such countries' vendors, such vendors shall not require registration.
5. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
6. "Tender" will include other forms of procurement, except where the context requires otherwise.
7. "Bidder from a country which shares a land border with India" means: -
 - a) An entity incorporated, established or registered in such a country; or
 - b) A subsidiary of an entity incorporated, established or registered in such a country; or
 - c) An entity substantially controlled through entities incorporated, established or registered in such a country; or
 - d) An entity whose *beneficial owner* is situated in such a country; or
 - e) An Indian (or other) agent of such an entity; or
 - f) A natural person who is a citizen of such a country; or
 - g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above
8. The *beneficial owner* for the purpose of 4 above will be as under:
 - i) In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means. Explanation—
 - a) "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent of shares or capital or profits of the company;
 - b) "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholder agreements or voting agreements;
 - ii) In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
 - iii) In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;
 - iv) Where no natural person is identified under (i) or (ii) or (iii) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
 - v) In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
9. An "Agent" is a person employed to do any act for another, or to represent another in dealings with third person.
10. *[To be inserted in tenders for Works contracts, including Turnkey contracts]* The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority. The definition of "contractor from a country which shares a land border with India" shall be as in paragraph 4 above.
11. The Registration shall be valid at the time of submission of bid and at the time of acceptance of bid. If the bidder was validly registered at the time of acceptance/ placement of order, registration shall not be relevant consideration during contract execution.

Model Certificate for Tenders

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Model Certificate for Tenders for Works involving possibility of sub-contracting

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such

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(Wholly owned subsidiary of Reserve Bank of India)

P.O. RBNM, Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132

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contractor is registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Model Certificate in cases of specified ToT

I have read the clause regarding restrictions on procurement from a bidder having Transfer of Technology (ToT) arrangement with an entity from a country which shares a land border with India; I certify that this bidder does not have any ToT arrangement requiring registration with the Competent Authority.

OR

I have read the clause regarding restrictions on procurement from a bidder having Transfer of Technology (ToT) arrangement with an entity from a country which shares a land border with India. I certify that this bidder have valid registration to participate in this procurement.

Annexure 7**Bid Securing Declaration**
(on Company Letter-head)

Bid Securing Declaration In lieu of EMD/Bid security is to be submitted as part of Technical bid in the following format. Bidders exempted from submission of EMD/Bid Security are also required to submit this.

Bidder's Reference No. _____

Date: _____

To
Bharatiya Reserve Bank Note Mudran (P) Limited
Salboni, Dist. - Midnapore (West)
PIN- 721 132
West Bengal

Ref: e-Tender Enquiry No. 004/SAL/PUR/2026-27 dated 22/06/2026

Sir,

We, the undersigned, solemnly declare that:

We understand that according to the conditions of this Tender Document, the bid must be supported by a Bid Securing Declaration in lieu of Bid Security.

We unconditionally accept the conditions of this Bid Securing Declaration. We understand that we shall stand automatically suspended from being eligible for bidding in any tender in BRBNMPL for 1 year from the date of opening of this bid if we breach our obligation(s) under the tender conditions if we:

- 1) withdraw/amend/impair/derogate, in any respect, from our bid, within the bid validity; or
- 2) being notified within the bid validity of the acceptance of our bid by the Procuring Entity:
 - a) refused to or failed to produce the original documents for scrutiny or the required Performance Security within the stipulated time under the conditions of the Tender Document.
 - b) Fail or refuse to sign the contract.

We know that this Bid-Securing Declaration shall expire if the contract is not awarded to us, upon:

- 1) receipt by us of your notification
 - a) of cancellation of the entire tender process or rejection of all bids or
 - b) of the name of the successful bidder or
- 2) forty-five days after the expiration of the bid validity or any extension to it.

(Signature with date)

.....

(Name and designation)

Duly authorized to sign bid for and on behalf of.....

[name & address of Bidder and seal of company]

Dated on day of [insert date of signing]

Place..... [insert place of signing]

Annexure 8**Template for assessment of capability of Bidder**

(To be submitted as part of Technical bid on Company Letter-head)

Bidders should furnish statements and documents confirming their Capability to manufacture the Goods. The list below is indicative only. Bidders may attach more documents as required. Additional details not covered elsewhere in the bid may also be added.

Bidder's Reference No. _____

Date _____

To**Bharatiya Reserve Bank Note Mudran (P) Limited****Salboni, Dist. - Midnapore (West)****PIN- 721 132****West Bengal****Ref: e-Tender Enquiry No. 004/SAL/PUR/2026-27 dated 22/06/2026**

- 1) Location of the manufacturing Factory
- 2) Details of Plant and Machinery executed and location in each department (Monographs & description pamphlets) be supplied, if available.
- 3) Details of arrangement for quality control of products such as laboratory etc.
- 4) Details of Technical Supervisory staff in-charge of production and quality control
 - a) Skilled labour employed.
 - b) Unskilled labour employed.
 - c) The maximum number of workmen (skilled & unskilled) employed on any day during the 18 months preceding the date of application.
- 5) Installed production capacity of item(s) quoted for, with the existing plant and machinery.
 - a) The installed monthly production capacity for ____ and the type of ____
 - b) What portion of the production capacity shall be reserved for this contract? Indicate reserved capacity in terms of the number of items of Goods per month.
 - c) average monthly production of _____ during the last 5 years on a single shift basis
 - d) Existing order on hand for _____
- 6) Have you supplied Goods tendered for or other identical items in the past? If so, details of supplies in the last five years may be furnished.

.....
(Signature with date).....
(Name and designation)
Duly authorized to sign bid for and on behalf of.....
[name & address of Bidder and seal of company]

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED*(Wholly owned subsidiary of Reserve Bank of India)*

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(Statement of Works During Last Seven Years and Outstanding Current Orders)

(To be submitted as part of Technical bid)

Bidders should Fill up this Form their past performance highlighting their qualification to perform tendered / Similar Works. Statements and Documents to the Performance Statement may be mentioned/attached here. The list below is indicative only. Bidders may attach more documents as required to showcase their past performance. Additional details not covered elsewhere in the bid may also be added.

Bidder's Reference No. _____

Date _____

To**Bharatiya Reserve Bank Note Mudran (P) Limited****Salboni, Dist. - Midnapore (West)****PIN- 721 132****West Bengal****Ref: e-Tender Enquiry No. 004/SAL/PUR/2026-27 dated 22/06/2026**

Sl. No.	Description of Work	Location of Work	Client Address and contact details including email	W.O. No. and dated	Value of Contract awarded	Period of Contract (From – To date)	Date of Completion	Value of Contract Completed	Remarks
	Total				XXXX			XXXX	

.....
(Signature with date)

.....
(Name and designation)

Duly authorized to sign bid for and on behalf of

.....
[name & address of Bidder and seal of company]

Annexure 10**Statement of Financial Standing**

Auditee Details:

.....

.....

Sl. No.	Financial Year	Annual Turnover	Net Worth	Remarks
1.	2022-23			
2.	2023-24			
3.	2024-25			

.....
Signature of Certified Accountant

Name :

Name of Firm :

Reg. No of Firm :

Membership No :

UDIN No. :

Place :

Date :

Note for bidders

- This statement is to be submitted by bidders who are **not** required to submit audited books of accounts.
- Submission of audited books of accounts bearing valid UDIN is required for firms whose sales, turnover or gross receipts is more than ₹1 crore. However, for firms whose cash receipts are limited to 5% of the gross receipts or turnover, and whose cash payments are limited to 5% of the aggregate payments, the threshold limit of ₹1 crore for tax audit is increased to ₹10 crore with effect from AY 2021-22 (FY 2020-21).
- Firms whose sales, turnover or gross receipts is less than ₹1 crore, submission of audited books of accounts is not necessary. However, such firms have to submit a Statement of Financial Standing in the above format bearing a valid UDIN along with the bid in order to ensure the compliance of the bidder against the financial standing criteria.
- This statement has to be certified by a certified accountant e.g. Chartered Accountant (CA) in India with valid UDIN and Certified Public Accountants / Chartered Accountants / Members of Certified Accounting Body of the government of the Bidder's country in case of foreign bidders.

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1	Investor / Customer's Name		
2	Particulars of Bank account		
	A	Name of the Bank	
	B	Name of the branch	
		Address	
		Telephone No	
		Whether Bank branch is NEFT enabled	
	C	Code number of the bank and branch appearing on the MICR Cheque issued by the bank	
	D	Type of the account (SB, Current or Cash Credit)	
	E	Ledger and Ledger Folio number	
	F	Account number (as appearing on the Cheque book)	
	G	RTGS / IFSC Code No.	
	(In lieu of the bank certificate to be obtained as under, please attach a blank cancelled cheque or photocopy of a cheque or front page of your Savings bank passbook issued by your bank for verification of the above particulars)		
3	Date of effect		

I hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold the user institution responsible. I have read the option invitation letter and agree to discharge the responsibility expected of me as a participant under the scheme.

Date: _____

 Signature of the Customer

Certified that the particulars furnished above are correct as per our records

Bank's Stamp

 Signature of the authorized
 official of the Bank

Note: In lieu of the bank's certificate to be obtained as above, bidders may attach a blank cancelled cheque or photocopy of a cheque or front page of their Bank Passbook issued by their bank for verification of the above particulars.

Annexure 12**Terms and Conditions - Compliance**

(To be submitted as part of Technical bid in e-Procurements)

(on Company Letter-head)

Bidder's Reference No. _____

Date _____

To**Bharatiya Reserve Bank Note Mudran (P) Limited****Salboni, Dist. - Midnapore (West)****PIN- 721 132****West Bengal****Ref: e-Tender Enquiry No. 004/SAL/PUR/2026-27 dated 22/06/2026**

Sir/Madam,

a) We have gone through entire tender document thoroughly. We hereby submit this 'Terms and Conditions – Compliance' as token of acceptance of all the terms and conditions mentioned in following Sections and Annexures of the tender.

1. Section I : Notice Inviting Tender (NIT)
2. Section II : General Instructions to Tenderers (GIT)
3. Section IV : General Conditions of Contract (GCC)
4. Section IX : Qualification Criteria
5. Section XIII : Bank Guarantee Form for EMD
6. Section XV : Bank Guarantee Form for Performance Security
7. Section XVI : Contract Form
8. Section XIX : Proforma of Bills for Payments
9. Annexure 1 to 5 : Explanatory Note on Make in India Order 2017; MSEs Order 2012 and Start-ups
10. Annexure 6 : Restrictions on Public Procurement from countries sharing land border with India

b) We confirm that we shall comply with, abide by, and accept without variation, deviation, or reservation, all terms & conditions of the Tender Document and we have no counter-conditions.

c) We confirm that on being successful in tender, we would perform the Works exactly as per Scope of Work (Section VII) and all other terms and Conditions of the Tender.

d) We understand that for any false declaration and submission of any untrue documents in the tender, our offer will be liable for rejection /cancellation of order/subjected to appropriate actions as per tender Terms & Conditions.

e) We understand that **"No need to submit Physical Documents"**. Only online bid submission shall be accepted.

f) We understand that **any price indication** in the Technical Bid (Scanned-Online) will result in the **bid being rejected**.

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Sl. No.	Parameters	Accepted by Bidder	Remarks
1	Performance Security Clause as mentioned in tender (10 % of the total order value).	Accepted	
2	Payment terms as mentioned in tender.	Accepted	
3	Validity of Offer 120 days from date of opening of tender.	Accepted	
4	Liquidated Damage Clause as mentioned in tender.	Accepted	
5	Defects Liability Period (DLP) Clause as mentioned in tender.	Accepted	
6	We have also noted that BRBNMPL is not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.	Accepted	
7	We will abide by all the safety and security norms of BRBNMPL.	Accepted	
8	We understand that for any false declaration and submission of any untrue documents in the tender, our offer will be liable for rejection/cancellation of order/subjected to appropriate actions as per tender Terms & Conditions.	Accepted	

(Signature with date)

.....

(Name and designation)

Duly authorized to sign bid for and on behalf of.....

[name & address of Bidder and seal of company]

Dated on day of [insert date of signing]

Place..... [insert place of signing]

Annexure 13**Undertaking to provide financial support to our wholly owned subsidiary**
(On the letter head of the holding company)

Ref.: _____

Date: _____

To**Bharatiya Reserve Bank Note Mudran (P) Limited****Salboni, Dist. - Midnapore (West)****PIN- 721 132****West Bengal**

Dear Sir,

Undertaking to provide financial support to our wholly owned subsidiary

We, _____ agree to provide financial support to our wholly owned subsidiary, _____ ("**Bidder**"), who is participating in the tender floated by you bearing no. 004/SAL/PUR/2026-27 for _____ ("**Tender**").

We confirm and undertake that our financial standing credentials can be clubbed with that of the Bidder in order to enable it to qualify the financial standing criteria stipulated in the Tender documents. We enclose the necessary documents to enable you to assess and confirm our financial standing.

We further agree and undertake to furnish to you a suitable performance bank guarantee and indemnify you and hold you harmless in the event the Bidder fails to perform its obligations under the Tender.

We, hereby, undertake to make available to the Bidder the required financial resources to enable compliance by the Bidder with the Tender and the contract that may be awarded pursuant to the bid, if successful.

For and on behalf of _____

.....

Enclosures:

1. Copy(s) of our Certificate of Incorporation and that of the Bidder;
2. Copy(s) of Form MGT-7 (i.e., Annual Return) filed by us and the Bidder for the latest financial year;
3. Copy of our Permanent Account Number Card;
4. Copy(s) of our Consolidated Financial Statement for the last three financial years
5. Copy of shareholders agreement, if any
6. Copy of Memorandum and Articles of Association/Partnership deed of bidding entity.

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED*(Wholly owned subsidiary of Reserve Bank of India)*

P.O. RBNM, Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132

TENDER DOCUMENT FOR DESIGN, ENGINEERING, SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND TRAINING OF AN AI-ENABLED DISTRIBUTED FIBER OPTIC PERIMETER INTRUSION DETECTION SYSTEM (DFOPIDS) AT BRBNMPL, SALBONI AND MYSURU**E-T.E. No. 004/SAL/PUR/2026-27 dated 22/06/2026****Annexure 14****Check-List for Bidders**

(The following check-list may be made a part of the SBD; to be submitted by the bidder as part of technical Bid)

This check-list is merely to help the bidders to prepare their bids; it does not over-ride or modify the requirement of the tender. Bidders must do their own due diligence also.

Sl. No.	Documents submitted, duly filled, signed	Yes / No / NA
1	Section X - Tender Form (to serve as covering letter and declarations applicable for both the Techno-commercial bid and Financial bid)	
2	Section XII - Bidder Information along with Power of attorney and Registration Certificates etc., if asked	
	(a) Self-attested copy of Registration certificates etc. of the firm, if asked	
	(b) Self-attested copy of PAN	
	(c) Self-attested copy of GSTIN registration(s)	
	(d) Self-attested copy of Provident Fund	
	(e) Self-attested copy of Professional Tax Registration (with latest Professional Tax paid receipt)	
	(f) Self-attested copy of ESI/WC/Any other Insurance	
	(g) Self-attested copy of Power of Attorney etc. authorizing signatories on stamp paper to sign the bid, if asked	
3	Section XVIII - Eligibility Declarations, along with supporting documents	
	(a) Self-attested copy of Registration certificate for bidders / subcontractors from restricted neighbouring countries	
	(b) Self-attested copy of MSME registration	
	(c) Self-attested copy of Start-up registration / status	
	(d) Self-attested copy of the certificate of Local Supplier status for Make in India policy, from auditors / cost accountant in case of Tenders above ₹10 Crore, if applicable	
4	Section XIV - OEM's Authorization Form duly filled up (if applicable to Bidder concerned)	
	(a) Self-attested copy of Registration certificates etc. of the OEM/principal, if asked	
	(b) Self-attested copy of Power of Attorney etc. authorizing signatories on stamp paper to sign Section XIV of OEM / Principal, if asked	
5	Section VI - List of Requirements - Compliance	
6	Section VII – Scope of Work - Compliance	
	(a) Relevant documents like technical data, literature, drawings, and other documents, at the option of Bidder	

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Sl. No.	Documents submitted, duly filled, signed	Yes / No / NA
7	Section VIII - Quality Control Requirements - Compliance	
8	Proof of submission of EMD, if applicable	
(a)	Type of instrument - DD/BC/NEFT/RTGS/BG/Other Electronic Modes using UPI id/UPI QR code, at the option of bidder	
(b)	Instrument scan uploaded, if applicable	
(c)	Instrument details, as applicable • Drawn on Bank, Branch, Valid up to, for DD/Banker's cheque • Transaction No. for NEFT/RTGS/Other Electronic Modes (UPI) • No. with Date, Issuing Bank details, for Bank Guarantee • No. with Date, Insurer details, for Insurance Surety Bond	
(d)	Bid Securing Declaration, for exempted bidders (Annexure 7)	
9	Conformity with capability criteria (Annexure 8), if applicable	
(a)	Documents attached supporting conformance to capability criteria, if applicable	
10	Performance Statement (Annexure 9)	
(a)	Documents / contracts supporting the performance statement	
11	Statement of Financial Standing (Annexure 10)	
(a)	Audited Balance Sheet and Profit & Loss Statement	
12	NEFT Mandate Form (Annexure 11)	
(a)	Cancelled cheque in lieu of Bank endorsement, at the option of bidder	
13	Terms and Conditions – Compliance (Annexure 12)	
(a)	Documents, if any, at the option of Bidder	
14	Undertaking to provide financial support to our wholly owned subsidiary, if applicable (Annexure 13)	
15	This Checklist (Annexure 14)	
16	Section XX - Duly signed Integrity Pact, If applicable	
17	Financial Bid (To be submitted online)	
18	Any other requirements, if stipulated in the tender; or if considered relevant by the Bidder	

.....
(Signature with date)

.....
(Name and designation)

Duly authorized to sign bid for and on behalf of

.....
[name & address of Bidder and seal of company]