

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

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

TENDER DOCUMENT FOR “CONSTRUCTION OF SCHOOL BUILDING WITH MID-DAY-MEAL HALL INCLUDING SUBMERSIBLE PUMP IN MANDALKUPI PRIMARY & HIGH SCHOOL OF PASCHIM MEDINIPUR DISTRICT” T.E No. 006/SAL/CSR/2023-24, dated 02/03/2024**OPEN TENDER ENQUIRY (OTE) / NATIONAL COMPETITIVE BIDDING (NCB)****Standard Bidding Document (SBD)****(Procurement of 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. - 4312/ 4311; Fax: 03227- 280222, 280744****Website: www.brbnmpl.co.in; Email: salbonipress@brbnmpl.co.in**

SAL/FF/PUR/F/01/08

Security Classification: Non-Security**e-TENDER DOCUMENT FOR “CONSTRUCTION OF SCHOOL BUILDING WITH MID-DAY-MEAL HALL INCLUDING SUBMERSIBLE PUMP IN MANDALKUPI PRIMARY & HIGH SCHOOL OF PASCHIM MEDINIPUR DISTRICT”**

e-Tender No: 006/SAL/CSR/2023-24 dated 02/03/2024

MSTC Event No: BRBNMPL/SALBONI PRESS/Administration/7/23-24/ET/61 (School Building –MDM-Pump set)

This tender document contains 184 pages

The tender document is to be downloaded from website www.mstcecommerce.com

Last Date & Time for submission of tender	02/04/2024 up to 11:30AM
Tender Opening Date & Time	02/04/2024 at 11:31 AM
Cost of Tender document	NIL; (MSTC Transaction Fee is applicable)
Earnest Money Deposit (EMD) (Exempted bidders are required to submit Bid Securing declaration in lieu of EMD as per Annexure 7)	₹79,000 /- (Rupees Seventy-Nine Thousand Only)

Details of Contact person in BRBNMPL regarding this tender:

Name: Shri Kumar Rakesh Gupta,**Designation: 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. - 4075/ 4077; Fax: 03227- 280222, 280744****Email : salbonipress@brbnmpl.co.in**

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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. - 4312/ 4311; Fax: 03227- 280222, 280744****Website: www.brbnmpl.co.in; Email: salbonipress@brbnmpl.co.in****e-Tender Enquiry No: 006/SAL/CSR/2023-24****Date: 02/03/2024****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: -

Brief description of Works	Quantity (with UoM)	Earnest Money (in ₹)	Estimated cost including GST@18% & Labour Cess @1% (in ₹)	Remarks
“CONSTRUCTION OF SCHOOL BUILDING WITH MID-DAY-MEAL HALL INCLUDING SUBMERSIBLE PUMP IN MANDALKUPI PRIMARY & HIGH SCHOOL OF PASCHIM MEDINIPUR DISTRICT”	As per BOQ at Section XI: Price Schedule	₹79,000/- (Rupees Seventy-Nine Thousand only)	Rs.39,55,000/- (Rupees Thirty-Nine Lakh Fifty-Five Thousand only)	<i>For detailed Scope of work please refer Section -VII</i>

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 02/03/2024 to 02/04/2024 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	02/04/2024 at 11:30 hours
Place of receipt of e-Tenders	The Bids are to be submitted online at www.mstcecommerce.com/eproc
Time and date of opening of e-Tenders	02/04/2024 at 11:31 hours
Place of opening of e-Tenders	Online at www.mstcecommerce.com

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Venue for Physical Submission of Originals (or self-attested copies of originals)	Administrative Building, Bharatiya Reserve Bank Note Mudran Pvt Ltd, Salboni - 721132
Nominated Person / Designation to Receive Originals (or self-attested copies of originals)	General Manager (Administration CSR Section) / Asst. General Manager (Administration CSR Section)

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 mentioned above 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

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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) if 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

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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 eProcurement 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
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) Unless otherwise specified, **originals (or self-attested copies of originals – as specified therein) of specified scanned uploaded documents (except Price Schedule) must be physically submitted in a sealed cover before the bid submission deadline at mentioned venue.** Failure to do so is likely to result in the bid being rejected. If the office is closed on the deadline for physical submission of originals, it shall stand extended to the next working day at the same time and venue.

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 / Physical documents) shall be summarily rejected.

(iv) 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

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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 made available or accepted for submission (except for originals of scanned copies as per sub-clause above). 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.

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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 Kumar Rakesh Gupta, GM | (ii) Shri N.T. Rajagopalan, AGM |
| Phone: 03227-280208 | Phone: 03227-280212/213 |
| Ext. - 4078 | Ext. - 4312 |
| E-mail: kr Gupta@brbnmpl.co.in | E-mail: ntrajagopalan@brbnmpl.co.in |

Contact Persons (MSTC):

- | | |
|--|--|
| (i) Shri K Kranthi Kumar | (ii) Shri Sabyasachi Mukherjee |
| Asst. Manager (ERO) | Manager (ERO) |
| Mobile: 9174009882 | Mobile: 7278030407 |
| E-mail: kkkumar@mstcindia.co.in | E-mail: smukherjee@mstcindia.co.in |

For Technical Assistance at MSTC Ltd: 07969066600

B. System Requirement:

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

C. Type of Tender

- 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.
- 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.

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- 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/eproc 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/eproc

- (iv) The bidder should allow to run an application namely an Apple 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/

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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 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/eprocn of MSTC Ltd.
- 12. Bids must be uploaded on the MSTC Website www.mstcecommerce.com/eprocn 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,

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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:

- Other Electronic mode of payment such as Debit Card powered by RuPay
- 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.

- Exemption for MSEs and Startups:** 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 Startup 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 Startup, as the case may be).
- The vendors registered with the Central Purchase Organization such as GeM as “Registered Suppliers” may also be considered as registered suppliers for BRBNMPL.
- 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 IEM for this tender is furnished below: - *(If applicable for the tender)*

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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.
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

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(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

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED

(Wholly owned Subsidiary of Reserve Bank of India)

RBNML (PO), Salboni - 721 132

Phone: 03227 - 280208/212/213; Ext – 4078

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

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- 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

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- literature and other documents as and if considered necessary by them.
- 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
- f) Bidder Information as per Section XII.
- g) Manufacturer's Authorization Form (ref Section XIV, if applicable)
- h) A list of deviations (ref Clause 19.4) from the clauses of this SBD, if any.
- i) If stipulated in NIT/SIT, duly signed Integrity Pact as per Section XX.
- Note: No price details shall be disclosed or hinted upon in any manner in the Technical bid.*
- 10.2 Unless otherwise indicated in NIT/ SIT, “**Financial Bid**” shall include inter-alia (including any changes in the following as per NIT/ SIT):
- a) Price Schedule (Section XI) and all financially relevant details. Prices shall be quoted duly taking into consideration, the Payment and delivery terms.
- Note: No additional Technical details, which have not been brought out in the Technical Bid, may be brought out in the Financial Bid.*
- 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.
- 10.3 Tender sent by fax/email/telex/cable shall be ignored.
- 11. Tender currencies**
- 11.1 Unless otherwise specified, the tenderer shall quote only in Indian rupees.
- 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.
- 11.3 Tenders, where prices are quoted in any other way shall be treated as unresponsive and rejected.
- 12. Tender Prices**
- 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.
- 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.
- 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.
- 12.4 While filling up the columns of the price schedule, the following aspects should be noted for compliance:
- 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:
- a) The price of the goods, quoted ex-factory, ex-showroom, 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.
- b) Goods and Services Tax, which will be payable on the goods in India if the contract is awarded.
- 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
- d) The price of incidental services, as and if mentioned in List of Requirements.
- 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:
- 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,
- b) Wherever applicable, the amount of custom duty and import duty on the goods to be imported.
- 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
- d) The charges for incidental services, as and if mentioned in the List of Requirements.
- 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.
- 12.8 Goods and Services Tax**
- a) All the bidders/tenders should ensure that they are GST compliant and their quoted tax structure/rates are as per GST Law.
- 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.
- 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.
- d) Bidders should quote ‘GST’ if payable extra on total basic rate of each item. GST in ‘%’ inclusive of cess to be

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- quoted. GST will be applicable on 'basic rate + Packing & forwarding charges + Freight + Insurance'.
- e) **GST Registration Number (15-digit GSTIN):** In case bidder has multiple business verticals in a state and 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...contd...**
- 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
- 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

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- 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

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- 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 / KVIC / 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:
- a) Insurance Surety Bonds
- b) Account Payee Demand Draft from any scheduled commercial bank in India or
- c) Banker's cheque from any scheduled commercial bank in India or
- d) Online Bank Transfer (Proof of online transfer to be submitted)
- e) 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)
- f) 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

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- 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.

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 XIII : Bank Guarantee Form for EMD
11. Section XV : Bank Guarantee Form for Performance Security
12. Section XVI : Contract Form
13. Section XIX : Proforma of Bills for Payments
14. Annexure 1 to 5 : Explanatory Note on Make in India Order 2017; MSEs Order 2012 and Start-ups
15. 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: -

1. List of Requirements – Compliance
2. Technical Specifications – 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

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17. Annexure 13 : Undertaking to provide financial support to our wholly owned subsidiary
18. 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

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- 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 (MII) 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

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- 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.

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- (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.

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(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

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- 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.

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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.

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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	<p>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</p> <p>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%.</p> <p><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></p>
3	4	Eligible Goods and Services (Origin of Goods)	<p>Indian Origin Only</p> <p>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.</p> <p>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.</p>
4	8	Pre-bid Conference	Not applicable
5	9	Time Limit for	Request for clarification should reach at least Seven

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Sl. No.	GIT Clause No.	Topic	SIT Provision
		receiving request for clarification of Tender Documents	(07) days prior to tender opening date.
6	11	Tender Currency	Indian Rupees Only
7	12	Tender Prices	i. Rate should be quoted on the basis of work place (including Unit Rate and GST as applicable). 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) 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 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

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Sl. No.	GIT Clause No.	Topic	SIT Provision
			variation/escalation (except Statutory Payments against submission of documentary evidence) on any account during the contract period.
11	18	Earnest Money Deposit (EMD)	<p>EMD of ₹79,000/- (Rupees Seventy-Nine Thousand only) is payable in the same way as mentioned at point No. 13 of NIT. Proof of EMD submission to be attached along with technical bid.</p> <p>However, exempted bidders have to submit “Bid Securing Declaration” in lieu of EMD as per Annexure-7 in Company Letterhead.</p>
12	19	Tender Validity	As specified (120 days)
13	20.9	Documents to be uploaded in case of e-tenders	<p>Applicable</p> <p>i. Originals (or self-attested copies of originals – as applicable) of specified scanned uploaded documents (except Price Schedule) must be physically submitted in a sealed cover before the bid submission deadline at mentioned venue (Also refer clause 7 of NIT).</p> <p>ii. In addition to documents mentioned in Clause No. 20.9.2 (18 Nos.), the following sections and/or annexures need to be digitally signed and uploaded as part of the Bid: -</p> <ol style="list-style-type: none"> 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	<p>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.</p> <p>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].</p> <p>Note: This tender falls under category of Works Contract; so, Relaxation of Norms wrt Prior Turnover & Prior Experience <u>shall not be applicable to MSE's</u> UNDER PUBLIC PROCUREMENT POLICY FOR MSE's ORDER 2012.</p>
16	35.2,	Additional Factors and	35.2 As specified. Prospective bidders should meet

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Sl. No.	GIT Clause No.	Topic	SIT Provision
	35.3	Parameters for Evaluation and Ranking of Responsive Tenders	<p>our tender conditions as well as the proposed works should meet our required Specifications at Section VII.</p> <p>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.</p> <p>Note: This tender falls under category of Works Contract; so, Purchase Preference shall not be applicable to MSE's UNDER PUBLIC PROCUREMENT POLICY FOR MSE's ORDER 2012.</p>
17	41	Award Criteria	Tender shall be finalized on the basis of Overall Lowest (L1) Bidder from eligible bidders as per Section XI and as per other terms & conditions of the tender.
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	Not applicable
21	45, 46, 47	Notification of Award, Issue of Contract, Non-receipt of Performance Security and Contract by BRBNMPL	<p>No change</p> <p>a) On finalisation of Tender, Notification of Award of Contract (NOA) / Letter of Intent (LOI) will be issued by BRBNMPL, Salboni to successful bidder.</p> <p>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.</p> <p>c) Contract Agreement / Work Order will be placed only after acceptance of NOA/LOI and after submission of Performance Security by the Bidder.</p> <p>d) Non-Acceptance of Notification of Award of Contract (NOA) / Letter of Intent (LOI) and/or Non-Submission of Performance Security may lead cancellation of Notification of Award of Contract (NOA) / Letter of Intent (LOI).</p> <p>e) Time Schedule will be considered from the date issue of Notification of Award of Contract (NOA) / Letter of Intent (LOI).</p>
22	50	Tender For Rate Contracts	Not applicable

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Sl. No.	GIT Clause No.	Topic	SIT Provision
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

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

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- 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

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- 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

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- 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

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- 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

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- 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 warranty obligations; and
 - b) In case the production of the spare parts is discontinued:
 - i. sufficient advance notice to BRBNMPL before such discontinuation to provide adequate time to BRBNMPL to purchase the required spare parts etc., and
 - 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.
- 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.
- 14. Incidental services**
- 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:
- a) Providing required jigs and tools for assembly, start-up and maintenance of the goods
 - b) Supplying required number of operation & maintenance manual for the goods
 - c) Installation and commissioning of the goods
 - d) Training of BRBNMPL's operators for operating and maintaining the goods
 - e) Providing after sales service during the tenure of the contract
 - f) Providing maintenance service after expiry of the warranty period of the goods if so incorporated in the contract
- 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.
- 15. Distribution of Despatch Documents for Clearance / Receipt of Goods**
- 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:
- 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):
- (a) Supplier's Invoice indicating, inter alia description and specification of the goods, quantity, unit price, total value;
 - (b) Packing list;
 - (c) Insurance certificate;
 - (d) Railway receipt / Road Consignment note;
 - (e) Manufacturer's guarantee certificate and in-house inspection certificate;
 - (f) Inspection certificate issued by BRBNMPL's inspector
 - (g) Expected date of arrival of goods at destination and
 - (h) Any other document(s), as and if specifically mentioned
- in the contract.
- 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:
- (a) Clean on Board Airway Bill/Bill of Lading (B/L)
 - (b) Original Invoice
 - (c) Packing List (with item-wise gross and net weight)
 - (d) Certificate of Origin from Seller's Chamber of Commerce
 - (e) Certificate of pre-despatch inspection by BRBNMPL's representative/ nominee
 - (f) Certificate of Quality and current manufacture from OEM
 - (g) Dangerous Cargo Certificate, if any.
 - (h) Insurance Policy of 110% if CIP/CIF contract.
 - (i) Performance Bond / Warranty Certificate
- 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.
- 16. Warranty**
- 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.
- 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.
- 16.3** Obligations of the contractor under the warranty clause shall survive even though:
- a) The Goods may have been inspected, accepted, installed/ commissioned and paid for by BRBNMPL.
 - b) The contract is terminated for any reason whatsoever.
- 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).
- 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.
- 16.6** A penalty of 0.5% (half per cent) of the contract value for the delay in response time beyond specified time as

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- 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.
- 16.7** In the event of any rectification of a defect or replacement of any defective goods during the 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.
 - (iii) Copies of import order/agreement placed on supplier
 - (iv) Invoice of supplier for the relevant import order
- 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

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- 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",

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- 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:
- Original Invoice (GST compliant)
 - Packing List (with item-wise gross and net weight)
 - Certificate of country of origin of the goods from seller's Chamber of Commerce in case of imported goods
 - Certificate of pre-dispatch inspection by BRBNMPL's representative / nominee
 - Manufacturer's test certificate
 - Performance / Warrantee Bond
 - Certificate of insurance
 - 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
 - Consignee's Certificate confirming receipt and acceptance of goods in case of payment after receipt and acceptance
 - Dangerous Cargo Certificate, if any, in case of imported goods.
 - Any other document specified.
- 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.
- 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:
- 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.
 - Delay in supplies, if any, has been regularized.
 - The contract price where it is subject to variation has been finalized.
 - The supplier furnishes the following undertakings:
"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."
- 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:
- any security or retention money, if any, deposited by the contractor.
 - 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.
- 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.
- 23. Delay in the supplier's performance**
- 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.
- 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:
- Imposition of liquidated damages,
 - Forfeiture of its performance security and
 - Termination of the contract for default.
- 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.
- 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:
- 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.
 - Denial Clause:**
 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.
- 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.
 - But nevertheless, BRBNMPL shall be entitled to the

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- 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.
- 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 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

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- 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

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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.

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- (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 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.

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- 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.

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The following Special Conditions of Contract (SCC) will apply for this contract. 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	<p>Indian Origin Only</p> <p>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</p> <p>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.</p>
2	6.1, 6.3, 6.5	Performance Bond / Security	<p>No Relaxation for bidder of any Stature</p> <p>Within 21 days after issue of Work Order/ Notification of Award/Letter of Intent by BRBNMPL, Salboni, Performance Security is to be submitted for an amount equal to Ten per cent (10%) of the total value of contract (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.</p> <p>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 date of completion of all contractual obligations including Defects Liability Period (DLP)</p>

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Sl. No.	GCC Clause No.	Topic	SCC Provision
			<p>obligations and Warranty i.e., after 01 (One) Year. Format of Bank Guarantee (BG) shall be as per Section-XV (Bank Guarantee Form for Performance Security). In case of failure of the 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.</p> <p>Performance Security shall be released without any interest after successful completion of all contractual obligations including Defects Liability Period (DLP) and Warranty obligations i.e., after 01 (One) Year and on submission of “No Demand” Certificate.</p>
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	<p>Applicable</p> <p><u>Defects Liability Period (DLP): Minimum 01 (One) Year from the date of successful completion of the work.</u> Any defect/s recorded during DLP, shall be rectified / replaced by the Contractor without any extra cost to BRBNMPL. If the Contractor fails to do so, within 02 (two) weeks after information, BRBNMPL reserves the right to rectify the same through another agency & the cost incurred thus shall be recovered from the Contractor.</p>
5	18	Sub-contracting	Not applicable
6	19.3, 19.4	Modification of Contract	<p>19.3 Option Clause – Applicable</p> <p>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).</p> <p>19.4 Repeat Order – Not Applicable</p>

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Sl. No.	GCC Clause No.	Topic	SCC Provision
7	20.2	Price Variation Clause	Not applicable
8	21.10	Statutory Variation Clause	<p>Applicable</p> <p>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 schedule is not attributable to BRBNMPL and the same shall have to be borne by the Contractor.</p> <p>If the tenderer fails to include taxes and duties in the tender, purchaser will consider no claim thereafter.</p>
9	22, 22.1, 22.2, 22.3, 22.4, 22.6	Terms and Mode of Payments	<p>Payment Terms:</p> <ol style="list-style-type: none"> No advance payment shall be made. Payment shall be done as per actual work carried out. The Contractor shall not be paid any mobilization advance or any secured advance. Payment shall be released through RTGS/ NEFT only. Bank Mandate as per as per Annexure 11, if not submitted earlier, should be submitted along with Technical Bid. Statutory Deductions as applicable will be deducted from the gross bill amount. Bank charges on DD, Online Bank Transfer through RTGS/NEFT or Other Electronic Modes of Payment to be borne by the bidder/ Contractor only. No payment shall be released against the extra materials brought to the site. Bidder has to furnish the price-break-up including the tax components. The value of work done, less recovery if any will be payable as per progress of work as running account bills subject to satisfactory completion of work as per Joint measurements entered in the Measurement Book (MB) and the same entered in excel sheets to be submitted for certification to BRBNMPL Official. Deductions will comprise the deductions as stipulated including statutory deduction.

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Sl. No.	GCC Clause No.	Topic	SCC Provision
			<p>viii. All progress payments made / R/A bills paid shall be regarded as payment by way of advance against final payment only and not as payment for the work completed.</p> <p>ix. All R/A bills / invoices for progress payments as well as for final payments shall be submitted in prescribed computerized forms supported by detailed measurement of items of work as per measurement books.</p> <p>x. The minimum value of interim bill/monthly bill/progressive running account (R/A) bill shall not be less than ₹10 Lakhs (Rupees Ten Lakhs only).</p> <p>xi. Bill in duplicate addressed to The Senior General Manager may be submitted at the end of successful completion of work along with soft copies through e-mail along with latest copy of GST return.</p> <p>xii. Final Bill: Successful Bidder shall submit final bill within 02 (two) months from the date of completion of the works. The final bill submitted by the Bidder shall be processed for payment only after receipt of “No Demand” Certificate, Undertaking for Statutory Compliances and clearance of site of all rubbish, debris, vats, tanks, materials, temporary structures, Township and machinery and handing over the site in a tidy and clean condition to BRBNMPL and any other document required by BRBNMPL. The Contractor shall not be entitled for the payment for the quantities beyond the tendered quantities unless ordered for by specific written instructions from BRBNMPL.</p>
10	23	Delay in the supplier's performance	<p>Below is in addition to GCC Clause No. 23.</p> <p>Extension of time will only be considered, if in the opinion of BRBNMPL, the works be delayed (a) by force majeure or (b) by reason of any exceptionally inclement weather or (c) by reason of proceedings taken or threatened by or dispute with adjoining or neighbouring or public authorities arising otherwise than through the Contractor's own default or (d) by the works or delays of other Contractors or</p>

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Sl. No.	GCC Clause No.	Topic	SCC Provision
			<p>Tradesmen engaged or nominated by the Owner and not referred to in the schedule of quantities and/or specification or (e) by reason of BRBNMPL instructions as per relevant clause hereof or (f) by reason of civil commotion (g) by reason beyond control of the Contractor in the opinion of BRBNMPL.</p> <p>If the Contractor needs an extension of time for completion of the work, the Contractor shall apply at least 02 (Two) weeks before the expiry of schedule date of completion furnishing the reasons in detail with complete justification. The Contract shall remain in force even for the period beyond due date of completion irrespective of whether the Contractor has applied for extension of time for completion unless BRBNMPL decides to terminate the contract. The delay for completion of work for any reason will not entitle the Contractor to claim any compensation.</p>
11	24	Liquidated Damages	<p>Applicable</p> <p>In case of any delay in work completion; BRBNMPL shall, under the contract deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% of the contract price for each week of delay or part thereof until actual completion, subject to a maximum deduction of 10% of contract price.</p> <p>For any delay in adherence to itinerary of Time Schedule mentioned in Section VI: List of Requirements, Liquidated Damage (LD) shall be levied.</p>
12	25.1	Bank Guarantee and Insurance for Material loaned to Contractor	Not applicable
13	27.4	Escrow Arrangement	Not applicable
14	30	Fall Clause	Not applicable
15	33, 33.1, 33.2, 33.3	Resolution of Disputes	<p>Clauses of 33.1, 33.2 and 33.3 are applicable</p> <p>All disputes / differences shall be subject to and referred to the court of competent jurisdiction situated within the limits of Kolkata.</p>
16	36	Disposal / Sale of Scrap by Tender	Not applicable

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

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

TENDER DOCUMENT FOR “CONSTRUCTION OF SCHOOL BUILDING WITH MID-DAY-MEAL HALL INCLUDING SUBMERSIBLE PUMP IN MANDALKUPI PRIMARY & HIGH SCHOOL OF PASCHIM MEDINIPUR DISTRICT” T.E No. 006/SAL/CSR/2023-24, dated 02/03/2024**Section VI: List of Requirements**

Tender Title		CONSTRUCTION OF SCHOOL BUILDING WITH MID-DAY-MEAL HALL INCLUDING SUBMERSIBLE PUMP IN MANDALKUPI PRIMARY & HIGH SCHOOL OF PASCHIM MEDINIPUR DISTRICT			
Tender No.		006/SAL/CSR/2023-24			Date: 02/03/2024
Schedule No.	Minimum Local Content (%)	Brief description of Works	*Quantity with UoM	Amount of Earnest Money (₹)	Required Time Schedule
I	Class-I 50% Class-II 20%	CONSTRUCTION OF SCHOOL BUILDING WITH MID-DAY-MEAL HALL INCLUDING SUBMERSIBLE PUMP IN MANDALKUPI PRIMARY & HIGH SCHOOL OF PASCHIM MEDINIPUR DISTRICT <i>(For detailed Scope of work please refer Section-VII)</i>	As per BOQ at Section XI: Price Schedule	₹79,000 (Rupees seventy-nine thousand only)	Within 12 (Twelve) Months from the date of issue of Notification of Award of Contract / Letter of Intent (LoI) / Work Order / Contract Agreement, whichever is issued earlier

* 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.

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: Scope of Work

TECHNICAL SPECIFICATIONS

(FOR INTERIOR WORKS)

CARPENTRY AND JOINERY

1. GENERAL:

1.1. General Requirement

This section of the specifications shall be read in conjunction with the drawings and other contract documents and other sections of this specification which shall be deemed complimentary with one another. The contractor shall be responsible for providing all plant, tools, materials and all things necessary for the proper storage of materials, execution, completion and maintenance of the works.

1.2. Delivery and Storage

All timber delivered to the site shall be carefully stored above ground in such a manner as to provide proper drainage, ventilation and protection from the weather and shall be stored in a proper manner according to each material type.

1.3. Definition of carpentry

The definition of carpentry work shall be deemed to include fixing clips, blocking grounds, fittings, sub-frames, rough frames and wood framing members, as per relevant IS Codes.

1.4. Moisture content of timber

Timber shall be well seasoned and clean dried with a moisture content of 12% nominal+2% for teak wood. The contractor should get it tested for moisture content of wood at their own cost as per the direction of the Architects/Engineer in charge and produce the certificate to Indian Oil Corporation Ltd for approval.

1.5. Protection, Delivery & Storage

All timber shall be treated with preservatives before delivery to site.

All joinery and joinery timber shall be wrapped in polythene before and during transport and delivery to site. While remaining in polythene wrappers the timber shall be protected from extremes of temperature and direct sunlight. Internal joinery and joinery timber shall be kept in its original polythene wrappers before working fixing and installing on site. Polythene wrapping to external joinery and timber shall be removed on delivery to site or as previously specified.

1.6. Timber

Timber shall be of the species stipulated in the schedules of rates. It shall be thoroughly seasoned, free of defects which would affect strength and shall be flat, straight, non-splitting and dressed on all sides. The timber shall be free from decay, fungal growth, bored heart, pitch pockets or streaks on the exposed edges, splits and cracks. Knots should be avoided. Seasoning of timber shall be approved as per IS: 1141 (specification for code practice for seasoning of timber) and code of practice for presentation of timbers as per IS: 401.

1.7. Timber Fixing

The carpentry timber shall be fixed with nails, spikes, bolts, screws, hangers, stirrups, anchors, ties or any other accessories which are suitable to develop the full strength of the member.

1.8. Fixing.

Carpentry timber fixed to solid masonry or concrete shall be secured with expansion bolts or other positive method of mechanical fastening. Carpentry timber where fixed into hollow masonry shall be secured with toggle bolts and steel with bolts, nuts & washers as per instruction of Engineer.

1.9. Fiber plugs.

Fixing by means of well-seasoned and preservative treated wooden plugs will be permitted only where it is required.

1.10. Fastening

Power driven fasteners may be used for fastening to steel, concrete and brick masonry as approved by Engineer.

2. PROTECTION AND RETARDANTS:**2.1. Organic protection-timber generally**

The contractor shall make his own investigation to guard against local sources of attack and damage and take all necessary precautions for protection.

All timber shall be protected with an organic solvent water repellent wood preservative to give a highly efficient protection against termite, spider, worm, all insect and insect and fungus and attack and shall where exposed, enhance the appearance of the timber, color of the product shall be such as to bring out the natural color of the respective timber.

The preservative shall penetrate deeply into the timber, shall protect against blue stain, rot, fungus & termite, spider, work & all insects attack and shall contain a resin which fixes the preserving agent and protects them against leaching and evaporation. The protection shall also be water repellent, weather proof and proof against peel, crack or blister of approved quality. Preservative treatment of timber shall be done as per IS: 401.

2.2. Fire Retardant

Fire retardant treatment of timber shall be applied by vacuum/pressure impregnation or manually and shall comply with the requirement of ISI code of practice and local fire requirements. The fire retardant effect shall be produced by the generation of water vapor and inert gases and the production of hard crystalline charcoal which acts as a heat barrier.

3. JOINERY**3.1. Timber veneers**

- a) Timber veneers shall be of the timber species shown on drawings. Veneers are to be kept in sequence as it is being cut from wood and supplied as such to the site for accurate matching of figuring.
- b) Adhesives for using fixing veneers shall be in accordance with the manufacturer's recommendations and as approved by engineer-in-charge.
- c) If adhesives other than contract type are required, then bonding shall be in presses.
- d) The veneer shall be finished as specified and shall be equal or superior quality to the laid down in IS: 1659-1960 or as approved.
- e) The contractor shall submit a one square meter sample of each finished veneer type for approval. The size of such sample shall be one square meter unless otherwise specified.
- f) Adhesive used for bonding BWP grade of plywood Boards shall be BWP type synthetic resins conforming IS: 848 respectively.

3.2. Plywood

- a) Plywood shall be a product of a balanced construction made of piles assembled by gluing, the chief characteristics being the crossing of alternate piles improve the strength properties and minimize movement the plan of board.
- b) Plywood shall be of best quality close grained plywood suitable for veneering, painting or bonding plastic laminate. It shall be a resin bonded, water proof band. Exposed edges shall be finished with an edge strip of solid teak wood tongued and grooves & glued or as detailed.
- c) The manufacturer and reference for plywood suitable shall be subject to approval. The thickness shall be in accordance with the drawings.
- d) Plywood shall be of BWP grade or BWP type synthetic resin conforming IS: 848.

3.3. Particle board

- a) Wood band particle board shall be a board made from wood particles bonded with a synthetic resin and/or another organic bonder. Thickness shall vary as shown on drawings. Particle board shall comply with SI 12823.
- b) Interior grade particle board shall be used externally or internally with damp surroundings.
- c) Manufacturer and reference for particle board shall be subject to approval.
- d) Adhesive used for bonding shall be conforming IS: 848.

3.4. Block board / Lamina board (solid)

- a) Block boards have a solid core made up of uniform strips of wood each not exceeding 25mm in length, laid separately, or spot glued, or otherwise joined to form a slab which is glued. Between two or more outer veneers. In any one block Board, the core strips shall be of one species of timber only. Face veneers may be decorative or commercial on both faces or decorative on one face only and or commercial on the other. Block Boards shall be grade I (Exterior grade) as per IS: Code 1659.
- b) Manufacturer and reference of block board/shall be subject to approval.
- c) Adhesive used for bonding shall be conforming IS: 848.

3.5. Storage of sheet materials

Sheet materials shall be transported and stored flat, with sufficient support of prevent bowing and wrapping and to prevent damage to edges and corners. Sheet materials shall be protected from weather and kept off the ground and in dry, well-ventilated condition.

3.6. Sample

The contractor shall submit sample of all materials including large samples of veneer assemblies for approval. All materials pre-fabricated, delivered and assembled shall be in accordance with the approved sample as per instruction of Engineer.

3.7. Shop Drawings-Cabinet joinery

The contractor shall submit for approval shop drawings for all cabinet joinery. Shop drawing shall relate to site measurement and show in detail the construction of the various parts of the work, the method of jointing, the thickness and type of material, the finishes to be applied to the various exposed surfaces, details of anchoring, joints, welds, fastening and all other relevant information.

4. JOINERY GENERAL:

4.1. General

Joinery shall be carried out strictly in accordance with the drawings where joints are not specifically indicated recognized forms of joints shall be used.

Where no dimensions are specified or shown on drawings, the contractor shall space fixing battens, fillets, ground studs and the like, in accordance with the recommendation of the manufacturer.

5. TIMBER VEREERED AND LAMINATED PLASTIC PANEL

5.1. General

Reference should be made to section of this specification which relate to timber and plastic laminate veneer.

The panels shall be factory made and shall be selected timber veneer or plastic laminate veneer glued to water proof plywood (as per IS Code) the edge of which shall be finished with hardwood lipping. The size and finishes of the panels shall be in accordance with the drawing and schedules instruction of Engineer.

5.2. Fire Rating

Panels shall be rendered fire retardant and to confirm to local fire regulations of concerned Authorities.

5.3. Protection and Storage

- a) Panels shall be delivered to site in perfect condition and in their original protective coverings.
- b) Panels shall be stored flat and stacked evenly in such a manner as to allow air to circulate around them freely and shall be protected from damp, direct sunlight and all other damage.

5.4. Installation

- a) Panels shall not be installed until all plastering work is dry.
- b) Panels shall be installed according to the drawing & schedules and to the manufacturer's recommendations.
- c) Panels are to be securely fixed to wall with screws on painted mild steel Z clips at 600 mm centers horizontally and 1200 mm centers vertically and shall be installed true and plumb on hardwood packing pieces as necessary.
- d) Panel edges cut on site shall be scaled and made good with a veneer edging strip to match the factory finish.
- e) On, completion of installation the panels shall be left to perfect condition and properly protected against damage, damp excessive heat, dirt and direct sunlight.

5.5. Samples

The contractor shall submit a sample of each type of veneer/laminate panel for approval before general fabrication is put in hand.

6. Great care must be exercised in cutting the RCC slabs/beams to located suitable reinforcement for welding the MS flats to be provided for suspension of false ceiling system. The damage to the RCC member shall be made good with cement mortar 1:3(1cement:3coarse sand). The projecting portion of the MS flat below the RCC member and any other steel member in the false ceiling system shall be painted with one coat of red oxide paint.

2. ALUMINIUM GLAZED PARTITION / DOORS / WINDOWS:**2.1. General specification, materials & erection**

Anodized tubular aluminum sections for doors, windows partition frames shall be of INDAL/JINDAL or approved equivalent make and shall be of size and design as per relevant drawings.

All moving and fixing frames shall be manufactured from Aluminium alloy conforming to IS IIE 9 WP. The alternate vertical frames shall be taken up beyond false ceiling upto main RCC ceiling/beam and shall be taken up beyond false ceiling upto main RCC ceiling/beam and shall be properly screwed with main RCC ceiling/beam by way of raw/plugs/flats/deats etc completed.

The door shutter section shall be 5.5 mm thick plain glass fixed with necessary gasket and snap fit aluminium beading strip. The glazing for shutters shall be 5.5 mm thick laminated safety glass or as specified.

The door shall be provided with one security 6 lever lock. The shutters shall be provided with anodized aluminium butterfly door handles inside and outside.

The average thickness of anodized coating shall not be less than 15 microns (IS: 1968) or as specified. The glazed partition frames shall be provided with approved anchors @ 90 cm c/c maximum for fixing. The bottom rail shall be fixed by way of bolts/screws to the false flooring.

2.2. Payment

Payment including cost of labour, materials, taxes, carriages etc. shall be made on square meter basis of finished work. Fixed glazed partition shall be measured deducting the shutter within it and upto false ceiling only. Nothing extra shall be paid for taking vertical frame members upto main ceiling/RCC slab or beam. Door shutter shall be paid extra on square meter basis. Only clear opening or area for open able shutter left within the glazed partition shall be measured for payment.

STANDARD TECHICAL SPECIFICATIONS FOR PAINTING JOB**1. PAINTING****1.1. Materials**

Paint, oils varnishes etc of approved brand and manufacturer shall be used synthetic enamel paint as received from the manufacturer without any admixture shall be used. (Conforming to IS: 2932)

Approved paints, oil or varnishes shall be brought to the site of work by the contractor in their original containers in sealed condition. The empty tins shall not be removed from the site of work till the relevant item of work has been completed and obtained from the Engineer-in-charge.

1.2. Commencing Work

1.3. Painting shall not be started until the Engineer-in-charge has inspected the items of work to be painted, satisfied himself about their proper quality can give his approval to commence the painting work.

1.4. Preparation of Surface

The surface shall be thoroughly cleaned and dusted. All rust, dirt scales, smoke and grease shall be thoroughly removed before painting is started. The prepared surface shall have received the approval of the Engineer-in-charge after inspection.

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- a. Before pouring into smaller containers for use, the paint shall be continuously stirred in the small containers so that its consistency is kept uniform.
- b. The painting shall be laid on evenly and smoothly by means of crossing and laying off, the later in the direction of the grain of wood. The crossing and lying off consists of covering the area over with paint, brushing the surface hard for the first time over and then brushing alternately in opposite direction, two or three times and then finally brushing alternately in opposite direction, two or three times and then finally brushing lightly in a direction at right angles to the same. In this process no brush marks shall be left after laying off is finished. The full process of crossing and laying off will constitute one coat.
- c. Where so stipulated, the painting shall be done with spray, spray machine used may be high pressure type of or a low-pressure type, depending on the nature and location of work to be carried out. Skilled and experienced workmen shall be employed for this class of work. Paint used shall be brought to the requisite consistency by adding a suitable thinner as recommended by the paint manufacturers.
- d. Spraying shall be done only when dry condition prevails.
- e. Each coat shall be allowed to dry out thoroughly and rubbed smooth before the next coat is applied.
- f. Each coat expects the last coat, shall be lightly rubbed down with sand paper or fine pumice stone and cleaned off dust before the next coat is laid.
- g. No left-over paint shall be put back into the stock tins.
- h. No hair marks from the brush or legging of paint particle in the concern of panels, angles of molding etc shall be left on the work.
- i. In painting steel work, special care shall be taken while painting over bolts, nuts, rivets, overlaps etc.
- j. The additional specification for primer and other coats of paints shall be as according to the detailed specifications under the respective headings.

1.6. Brush and Containers

1.7 After work, the brushes shall be completely cleaned from paint and linseed oil by rising with turpentine. The containers, when not in use, shall be kept closed.

1.8. Measurement

The units of measurement for painting except where otherwise stated shall be given in “Sq meter” painting of rain water, soil, waste, vent pipes, etc shall also be measured in “Sq meter”.

1.9 Precautions

All furniture, fixtures, glazing, floors etc shall be protected by covering and stains, smear, splashing if any shall be removed and damage done shall made good by the contractor at his cost.

1.10 Rate

Rate shall include cost of all labour and materials, taxes, carrying, cleaning of surface after painting involved in all the operation described above and in the particular specifications given under the several items. It shall also include cost of scaffolding.

2. PAINTING PRIMING COAT ON WOOD, IRON SURFACE**2.1 Materials**

The priming coat for woodwork or iron work shall be as specified in the description of the item. It shall be ready made primer of approved brand and manufacture. IT shall be brought to site in their original packings in sealed condition.

2.2 Preparation of Surface**2.2.1. Wood work**

The woodwork to be painted shall be dry and free from moisture. The surface shall be thoroughly cleaned. All unevenness shall be rubbed down smooth with sand paper and shall be well dusted. Knots, if any, shall cover with preparation of red lead made by grinding red lead in water and mixing with strong glue size and used hot.

The surface treated for knotted shall be dry before painting is applied. After the priming coat is applied, the holes and indentations on the surface shall be stopped with glazier's putty or wood putty. Stopping shall be done before the priming coat is applied.

2.2.2 Iron and steel work

All rust and scales shall be removed by scrapping or by brushing with steel wire brushes. Hard skin or oxide formed on the surface of wrought iron during rolling which becomes loose by rusting, shall be removed.

All dust and dirt shall be thoroughly wiped away from the surface. If the surface is wet, it shall be dried before priming coat is undertaken.

2.2.3 Application

They shall be applied with brushes, worked well into the surface and spread even and smooth. The painting shall be done by crossing and laying off described.

3. PAINTING WITH SUPERIOR QUALITY SYTHETIC ENAMEL PAINT**3.1. MATERIAL****a) Wood Work**

The superior synthetic enamel paint of the following brand and manufacture shall only be used.

a) “Luxol High Gloss Synthetic Enamel” of Berger Paints.

b) “Apcolite” of Asian Paints (India) Limited.

3.2. PREPARATION OF SURFACE**a) Wood Work**

The surface shall be cleaned and all unevenness removed as in para 2.2.1. Knots if visible, shall be covered with a preparation of red lead as in para 3.2.1. Holes and indentation on the surface shall be filled in and surface prepared as in 2.2.1.

b) Iron and Steel work

The priming coats shall have dried up completely before painting is started. Dust and scaling shall be carefully removed by scrapping or by brushing with steel wire thoroughly wiped.

3.3. APPLICATION

The number of coats shall be as stipulated in the item. One coat of the specified paint shall be applied and allow to dry overnight. It shall be rubbed next day with the finest grade of wet adhesive paper to ensure a loose particles dusted off.

Next coats shall be applied after the first coat is thoroughly dry. Additional coats shall be applied if found necessary to ensure properly uniform glossy surface, free from streaks, blistered etc in all the cases paint manufacturer's instruction shall be followed meticulously.

4. PAINTING WITH WALL PAINT

4.1. The wall paint shall be of following brand and manufacturer:

“LUXOL” Silk Acrylic Emulsion paints of Berger paints or approved equivalent. The paint shall be of approved shade.

4.2. Preparation of Surfaces.

The surface shall be thoroughly cleaned of dust, old white or color wash or other wall finish by washing with water and scrubbing such removal of white wash, color washing etc will be paid for separately. The surface shall then be sand papered to give a smooth and even surface.

Scratches, holes etc shall be made good by applying putty, made of plaster of paris mixed with water on the surface and then sand papering the same after it is dry.

The wall surface which will be painted with wall paint shall be made smooth by applying a putty made of plaster of paris mixed with water on the entire surface including filling up the undulations and then sand papering the same after it is dry such application of plaster of paris will not be paid separately.

4.3. Material.

Cement primer of approved brand and manufacture shall be used.

4.4. Application

On properly prepared and primer surface, wall paint shall be applied in the usual manner with brush or roller. The number of coat shall be as stipulated in the item. When painting inside a wall ventilated room, the second coat can be applied one hour after the first. The thinning of paint is to be done with water. The quantity of thinner to be added for first and second coat shall be as per manufacturer's instructions.

The surface on finishing shall present a flat velvety smooth finish and uniform appearance. If necessary, more coats will be applied till the surface present, uniform appearance. In all cases the manufacturer's instructions shall be followed meticulously.

4.5. Other details these shall be as per specification for painting (general) as for they are applicable.

5. FRENCH SPIRIT POLISHING.

5.1. Pure shellac varying from pale orange to lemon yellow colour, free from resin or dirt shall be dissolved in methylated spirit. Suitable pigment shall be added to get the required shade.

5.2. The surface shall be cleaned. All unevenness shall be rubbed down smooth with sand paper well dusted. Knots of visible shall be covered with a preparation of red lead and glue size laid on while hot. Holes and indentations on the surface shall be stopped with glazier's putty. The surface shall then be given coat of wood filler made by mixing whiting in methylated spirit at the rate of 1:5 kg of whiting per liter of spirit. The surface shall again be rubbed down perfectly smooth with glass paper and wiped clean.

5.3. The number of coats of polish to be applied shall be as described in the item a pad of woolen cloth covered by a fine cloth shall be used to apply the polish. The pad shall be moistened with the polish and rubbed hard on the wood, in a series of overlapping circles applying the mixture sparingly but uniformly over the entire area to give a level surface. A trace of linseed oil on the face of the pad facilitates this operation. The surface shall be allowed to dry and the remaining coats applied in the same way. To finish off, the pad shall be covered

with a fresh piece of clean fine cloth, slightly and quickly with methylated spirit and rubbed lightly and quickly with circular motions. The finished surface shall have a uniform texture of high gloss.

5.4. Other details shall be as per the specification for painting (general) as for as they are practicable.

PLASTERING & POINTING

1.1 Materials:

1.1.1 Cement:

Cement shall conform to "Specification no. 6-68-02 'Material' Clause No. 1.0" of "Technical Specification for Civil and Structural Works" unless otherwise specified.

1.1.2 Sand:

Sand for plastering and pointing shall conform to IS 1142. Sand shall be hard, durable, clean and free from adherent coatings and organic matter and shall not contain any appreciable amount of silt, clay balls or pellets. Sand shall not contain harmful impurities such as iron pyrites, coal particles, lignite, mica shale etc.

Sand whose grading falls outside the limits of IS 460 due to excess or deficiency of coarse or fine particles shall be processed to comply with the standards. Fine sand shall be obtained from river beds not affected by tidal water of the sea and shall be clean, sharp and free from excessive deleterious matter. The sand shall not contain more than 8 percent of mud and silt as determined by field test with a measuring cylinder.

1.1.3 Water:

Water for plastering and pointing shall conform to 'Specification No. 6068-02 'Material', clause No. 2.0 of "Technical Specification for Civil and Structure Works".

1.1.4 Cement Mortar

Preparation of cement mortar shall conform to "Specification No. 6-68-09 'Brick Masonry', clause no. 3.0" of 'Technical Specification of Civil and Structural Work' unless otherwise mentioned.

1.2 Workmanship

1.2.1 Preparation of background surface

The surface shall be cleaned off all dust, loose mortar droppings, traces of algae, efflorescence and other foreign matter by water or by brushing. Smooth surface shall be roughened by wire brushing or hacking for non-hard and hard surfaces respectively. Projections on surfaces shall be trimmed wherever necessary to get even surfaces. In case of brick/stone masonry, raking of joints shall be carried out wherever necessary. The masonry shall be allowed to dry out for sufficient period before carrying out the plaster work. The masonry shall not be soaked but only damped evenly thereafter before applying the plaster.

In case of concrete work, projecting burrs of mortar formed due to the gaps of joints in shuttering shall be removed. Such surface shall be scrubbed clean with wire brushes. The surface shall be pock marked with a pointed tool at spacing of not more than 10mm. centers, the pocks being made not less than 3 mm. deep to ensure a proper key for the plaster. The surface shall be washed off and cleaned of all oil, grease etc. and well wetted before the plaster is applied.

1.2.2 Sequence of Operations:

For external plaster, the plastering operations shall be started from the top floor and carried downwards. For internal plaster, the plastering may be started wherever the building frame, roofing, and brick work are ready.

The surfaces to be plastered, shall first be prepare as described in 'Preparation of background surface' in clause 1.3.1.

The first underlay shall then be applied to ceilings. After the ceiling plaster is complete and scaffolding for the same removed, plastering on wall shall be started.

After a suitable time, interval as detailed under various types of plaster in subsequent paras, depending upon the type of mortar, the secondary layers if required shall be applied. After a further suitable time interval as detailed under various type of plaster in subsequent paras, the finishing coat shall be applied first to the ceiling and then to the walls.

Plastering of comics, decorative features, etc. shall be completed before the finishing coat is applied. Unless otherwise specified Corners and edges shall be rounded off to a radius of 21mm. such rounding off shall be completes along with the finishing coat to prevent any joint marks showing out later.

1.3 Scaffolding/Staging:

1.3.1 Scaffolding/staging for plastering/pointing shall be as 'Specification No. 6-68-09. Brick Masonry, clause no. 1.0' of 'Technical Specification for Civil and Structural Works'.

1.3.2 Damage Rectification:

Any cracks, damages, any part of work which sound hollow when tapped or found damaged or defective otherwise shall be cut in rectangular shape and redone as directed by Engineer-in-Charge.

1.4 Plain Cement Plaster

1.4.1 Preparation of Mortars:

The mortars of specified mix. shall be used as per the Specifications of 'Cement Mortar' in Clause No. 1.1.4.

1.4.2 Application of Plaster

1.4.2.1 One-layer plaster work to ensure even, specified thickness, plaster of 110mm x110mm shall be first applied horizontally and vertically at not more than 2-meter interval over the entire surface to serve as gauges. The surface of these gauged areas shall be truly in the plane of the finished plaster surface. The mortar shall be brought to true surface by working with a wooden straight edge reaching across the gauges with small upward and sideways movements at a time. Finally, the surface shall be finished off true with a trowel or wooden float to obtain a smooth texture.

Excessive toweling or overworking the float shall be avoided. All corners, arises, angles and junctions shall be truly vertical/ horizontal and shall be carefully finished. Rounding or chamfering of corners, arises, junction etc. shall be carried out with proper templates to the size required.

In suspending the work, the plaster shall be left, cut clean to line, both horizontally and vertically. When recommencing the plastering, the edge of the old work shall be scrapped clean and wetted before plastering the adjoining area. Plastering work shall be closed on the border of the wall and nearer than 110mm. to any corners or arises and shall not be closed on the body of the features such as plaster bands, cornices nor at the corners or arises.

1.4.3 Curing

Curing shall be started 24 hours after finishing the plaster. The plaster shall be kept wet for a period of 7 days. During this period the plaster shall be suitably protected from all damages at the contractor's expense by such means as approved by the Engineer-in-Charge. The date of execution of plastering shall be marked on the plastering to ensure the proper duration of curing.

1.5 Measurement and Rate

1.5.1 The description of each item, unless otherwise mentioned includes wherever necessary all material, conveyance and delivery, handling, loading/unloading, storing, fabrication, all labour for finishing the work, preparation of background surface, staging /scaffolding, application, finishing, removal of staging/scaffolding, curing and other incidental charges. The rate shall be for all heights and all heights of work.

1.5.2 Plastering

Thickness of the plaster shall be the minimum thickness at any point on a surface and shall be exclusive of the key i.e. grooves or open joints in masonry. No extra payment shall be allowed for extra thickness of plaster done by contractor, drip moulds, rounding of edges etc.

All plastering/pointing shall be measured in square meters unless otherwise specified. Length breadth and height shall be measured correct to 0.1 meters. Soffits of stairs shall be measured as plastering on ceiling. Ceiling with projected beams shall be measured over beams and plastered side of beam shall be measured and added on ceiling.

Deductions and additions shall be made in the following manner:

- a) No deductions shall be made for end of joists, beams, posts, openings not exceeding 0.1sqm. area and no addition shall be made for reveals, jambs, soffits etc. of these openings not for finish to plaster around ends of joints, beams, posts etc.
- b) Deductions for openings exceeding 0.1sqm. but not exceeding 3sqm. each shall be made as follows and no addition shall be made for reveals, jambs, soffits etc. of these openings.
 - a) When both faces of wall are plastered with same type of plaster, deduction shall be made for one face only.
 - ii) When two faces of wall are plastered with different types of plasters or if one face is plastered and the other pointed, deduction shall be made from the plaster or pointing on the side of frame for door, windows etc. on which width of reveals is lesser, but no deduction shall be made on the other side. Where widths of reveals on both faces of wall are equal, deduction of 10% of area of opening on each face shall be made.
 - iii) When only one face is plastered, full deduction shall be made from plaster if width of reveal on plastered side is lesser. But if widths of reveal on both sides are equal or more on plastered side, no deduction shall be made.
- c) In case of openings of area above 3 sqm. each, deduction shall be made for openings but jambs, sophists, and sills shall be measured.

ELECTRICAL TECHNICAL SPECIFICATIONS

1.0 SPECIFICATION OF WORK, MATERIALS, TOOLS AND EQUIPMENT:

The Contractor shall supply all materials, tools, plants and instruments necessary for the efficient execution of the work to complete within the stipulated time.

The materials specified in the schedule of Rates will only be used, other than the specified make written approval from Engineer-in-Charge is to be taken for issuing these materials. And a copy of the approval is to be furnished to Technical Services Department before using these materials.

All materials brought to site shall be approved by Engineer-in-Charge. Materials which are sub-standard shall be rejected. The substandard materials brought to site or used in the work shall be removed by the Contractor within 24 hours on receipt of the notice to that effect from the Site Engineer. Decision of the Engineer-in-Charge in regard to quality of materials will be final & binding.

- i) Indian Electrical Act. 1910.
- ii) Indian Electricity Rules 1956 and regulations framed there under.
- iii) The rules and bye laws of the local Electric supply Authorities.
- iv) Standards & Practices maintain by Indian Oil.

Good and skilled workmanship is as essential as the good quality of materials. Where the workmanship is not considered to be approved standard, the work should be dismantled and redone as directed by the Engineer-in-Charge or by the Site Engineer. This will, however, be decided during the progress of work or within one month from the date of completion of the work. The of the Engineer-in-Charge will be final.

1.1 GENERAL

Work under this contract shall be executed as given in this tender document and as required at site whether specifically shown or not. The contractor shall carry out and complete the work under this contract in every respect in conformity with the contract documents and as per directions of and to the satisfaction of the engineer -in -charge / owners.

1.2 SYSTEM

All equipment to be supplied as a part of contract and the installation works shall be suitable for 415V, 3 ph, 4 wire system, as specified.

1.3 SITE CONDITIONS

All equipment shall be suitable for satisfactory operation at the following site conditions

Ambient Conditions
Max 46 deg C 92% relative Humidity.
Min 05 deg C 92% relative Humidity

2.0 POINT WIRING

2.1 General

Technical specifications in this section cover the internal wiring installation comprising of:

- Point wiring for lights,
- Point wiring socket outlets etc. including circuit wiring in concealed / surface conduit as mentioned in drawings.
- Point wiring for telephone outlets
- Sub-main wiring in concealed / surface conduits
- Supply, installation of the light fixtures

- Supply, installation of the distribution boards and the final sub distribution board for the entire building.
- Marking earth stations.

2.2 Standards and Codes

All equipment, components, materials and entire work shall be carried out in conformity with applicable and relevant Bureau of Indian Standards and codes of practice, as amended up to date and as below. In addition, relevant clauses of the Indian Electricity Act 1910 and Indian Electricity Rules 1956 as amended up to date shall also apply. Wherever appropriate Indian Standards are not available, relevant British and / or IEC Standards shall be applicable. Equipment's certified by Bureau of Indian standards shall be submitted, as required. It is to be noted that updates and current standards shall be applicable irrespective of dates mentioned along with ISS's in the tender documents.

2.3 CONDUITING

2.3.1 PVC Conduits

All conduits used in the contract shall be ISI embossed. The conduits shall have perfectly circular and smooth tubing.

2.3.2 Sheet metal outlet / draw / inspection / junction boxes

Outlet boxes shall be of required sizes and shall be fabricated from 1.6mm thick MS sheets excepting ceiling fan outlet boxes which shall be fabricated from minimum 2 mm thick sheets. Outlet boxes shall be provided with minimum 16 mm projected threaded collars. The outlet boxes shall be of approved quality, finish and manufacture. All outlet boxes shall be provided with an earth stud. The boxes shall be protected from rust by zinc phosphate primer process. For concealed conducting work, boxes with primer only could be embedded for surface conducting work, the boxes shall be finished with minimum one coat of enamel paint of approved colour. Alternatively, these boxes could be galvanized and painted if so stipulated. The outlet boxes shall be so protected at the time of fixing that no mortar finds its way inside during concrete filling or plastering. For concealed conduiting work, outlet boxes shall be completely embedded in walls / ceilings leaving edges flush with finished wall / ceiling surface.

2.3.4.1 Outlet boxes for light fittings

This shall be minimum 75mm X 75mm deep and provided with one or two threaded collars of conduit entry as required. For ceiling mounted florescent fittings, the boxes shall be provided 300 mm off center for a 1200 mm fitting and 150 mm off center for a 600mm fitting so that the wiring is taken directly to the down rod. 3mm thick Perspex / hylem sheet cover of matching colour shall be provided.

2.3.4.2 Ceiling fan outlet boxes

Outlet boxes for ceiling fans shall be fabricated from min. 2mm thick ms sheet steel. The boxes shall be hexagonal in shape of min. 100mm depth and 60mm sides. Each box shall be provided with one U shaped 15mm dia rod tied to the top reinforcement of the concrete slab for a length of min. 150mm on either side. 3mm thick hylem sheet cover of matching colour shall be provided.

2.3.4.3 Switch boxes

Switch boxes suitable to house plate type switches of required rating and fan regulator as required shall be provided. In case of no. of switches in one box is not tallying with that available in standard manufacturer, the box accommodating the next higher no. of switches shall be provided without any extra cost. In case fan regulator / regulators is / are to be provided at a later date, suitable provision for accommodating such regulator shall be made in the switch boxes and are blank off covers shall be provided without any extra cost.

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Switch boxes shall be so designed that accessories are mounted on a grid plate with tapped holes for brass machine screws leaving ample space at the back and on the sides for accommodating conductors, check nuts and brass brushes at conduit entries. The grid plate and MS boxes shall be fitted with a brass earth terminal. Boxes shall be attached to conduits by means of check nuts on either side of their walls. No timber shall be used for any supports. Switch boxes shall be located with bottom at 1200 mm above floor level unless otherwise indicated.

2.3.4.4 Socket outlet boxes

Outlet boxes shall be suitable for housing switch socket outlets, telephone outlets and any other outlet as required. These shall be so designed that accessories are mounted on a grid plate with tapped holes for brass machine screws leaving ample space at the back and on the side for accommodating conductor, check nuts and brass bushes at conduit entries. The grid plate and ms boxes shall be fitted with brass earth terminal. These shall be attached to conduits by means of check nuts on either side of their walls. No timber shall be used for any supports. Boxes shall be located with bottom at 1200 mm above floor level unless otherwise indicated.

2.3.4.5 Draw boxes

Draw boxes of minimum 75mm X 75mm X 50mm Deep of larger as required shall be provided at convenient location to facilitate drawing of long runs of conductors / wires. These shall have screwed covers of 3mm thick hylem sheet.

2.3.4.6 Inspection boxes / junction boxes

Inspection boxes of minimum 75mm X 75mm X 50mm of larger as required shall be provide at suitable location in conduit runs to permit inspection and maintenance. These shall have screwed covers of 3mm thick hylem sheet

2.3.5 Cross Section

The conduit shall be of ample sectional area to facilitate simultaneous drawing of wires. In no case shall the total cross section of wires measured overall be more than half the area of conduit. Max. no. of wires permissible in various sizes of conduits shall be as below.

As per IS Diameter of conduits	Size of Wire Cu. Conductor	
1.5 sq.mm	5	10
2.5 sq.mm	5	8
4.0 sq.mm	4	6
6.0 sq.mm	3	5
10.0sq.mm	2	3

2.3.6 Laying of conduits

Conduits shall be laid either concealed in walls and ceiling or on surface on walls and ceiling or partly concealed and partly on surface as required. The surface of the wall must be finished and painted to match the other part of the room in case of conceal wiring, PATCH MARKS MUST NOT BE VISIBLE. For surface Conduiting the works to performed in highly professional manner with high quality of workmanship to maintain the aesthetic look of the conduit with sufficient no.s of 16 SWG GI saddles with bases. No Flexible conduits will be acceptable in Conduiting works. In case it becomes necessary to use flexible conduits then only flexible GI conduits or Wire Centered PVC conduits are acceptable that too with prior approval of Site Engineer. All the conduits must be threaded at the end and tightly fixed with boxes, conduits, bends, nipples etc. with proper check nuts/ coupler. Same rate shall apply for concealed and surface conduiting in this contract.

2.3.6.1 Concealed Conduiting

Concealed conduits in concrete members shall be laid before casting in the upper portion of slab or otherwise as may be instructed so as to embed the entire run of conduits and ceiling outlet boxes with a cover of min. 12 mm concrete. Conduit shall be adequately tied to the reinforcement to prevent displacement during casting at interval of max. 1 m. No reinforcement shall be cut to fix the conduits. Suitable flexible joints shall be provided at all locations where conduits cross expansion joints in the building.

2.3.6.2 Surface Conduiting

Wherever so desired, conduit shall be laid in surface over finished concrete and / or plaster brick works suitable cast aluminum spacer saddles of approved make and finish shall be fixed to the finished structural surface along the conduit route at interval not exceeding 600 mm. Holes in the concrete or brick works the saddles shall be made neatly by electric drills. Conduit shall be fixed on the saddles by means of good quality heavy duty ms clamps screwed to the saddles.

2.3.6.3 Painting of conduits and boxes

All draw/switch/junction/fan hook boxes shall be galvanized/CD plated/painted with red oxide in their manufactured form. All ungalvanised/ unplated boxes shall be again painted with red oxide paint as required before fixing. Boxes fixed on surface shall, in addition, be painted with finished paint of approved color and finish. Before laying conduits shall be painted at such places where paint has been damaged.

2.3.6.4 Protection of conduits

To safeguard against filling up with mortar/plaster etc. All the outlets and switch boxes shall be provided with temporary covers and plugs which shall be replaced by sheet/plate cover as required. All screwed and socketed joints shall be made fully water tight with white lead paste. Cleaning of Conduits Runs. The entire conduit system including outlets and boxes shall be thoroughly cleaned after completion of erection and before drawing in of cables.

2.3.6.5 Earthing

Continuous of wires shall be provided for all points, outlets. Earthing terminal shall be provided inside all switch boxes, outlet boxes and draw boxes etc. Earth wire for concealed conduits shall in variably be provided by means of bare copper wire drawn inside the conduit and connected to earth stud of all outlet boxes, switch boxes and draw boxes etc. Earth wire for surface conduit shall be by means of bare wire as for concealed conduit or bare copper earth wire taken outside the conduit as per schedule of quantities. Connection with conduit shall be made by suitable screwed clamp, paint or conduit being removed for making effective electrical connection.

2.4 WIRING

Wiring shall be carried out with PVC insulated 660V grade unsheathed single core wires with electrolytic annealed stranded copper (unless otherwise stated) conductors and conforming to IS 694 / 1990. All wires shall be ISI embossed. All wires shall bear manufacturer's label and shall be brought to site in new and original packages. Manufacturer's certificate, certifying that wires brought to site are of their manufacturer shall be furnished as required. All the wires must be FRLS type.

Final connection to light fitting / appliance from termination of point wiring in ceiling / wall light outlet boxes shall be made with 660V grade stranded Cu. Conductor unsheathed PVC flexible cords conforming to IS 694/1990 and having a cross-sectional area not less than 0.75 sq.mm

2.4.1 Bunching of wires

Wires carrying current shall be so bunched in conduits that the outgoing and return wire are drawn into the same conduit. Wires originating from two different phases shall not be run in the same conduit.

2.4.2 Drawing of wires

The drawing of wires shall be done with due regard to the following precautions:

No wires shall be drawn into any conduit until all work of any nature that may cause injury to wire is completed. Care shall be taken in pulling the wire so that no damage occurs to the insulation of the wire. Screwed buses shall be provided at conduit terminations. Before the wires are drawn into the conduits, conduits shall be thoroughly cleaned of moisture, dust, dirt or any other obstruction by forcing compressed air through the conduits if necessary.

2.4.3 Termination / jointing of wires

Sub circuit wiring shall be carried out in loping system. Joints shall be made only at distribution board terminals, switches / buzzers and at ceiling roses / connectors / lamp holders terminals for lights / fans / socket outlets. No joints shall be made inside conduits or junction / draw / inspection boxes. Switches controlling lights, fans or socket outlets shall be connected in the phase wire of the final sub circuit only. Switches shall never be connected in the neutral wire.

Wiring conductors shall be continuous from outlet to outlet. Joints where unavoidable, due to any special reason shall be made by approved connectors. Specific prior permission from Engineer-in-charge in writing shall be obtained before making such joint.

Insulation shall be shaved off for a length of 15 mm at the end of wire like sharpening of a pencil and it shall not be removed by cutting it square or wringing.

Standards of wires shall not be cut for connecting terminals. All stands of wires shall be soldered at the end before connection.

Ends of PVC insulated aluminum conductor wire ends before connection shall be properly soldered (at least 15 mm length) with suitable soldering material.

Conductors having normal cross-sectional area exceeding 4 sq. mm shall always be provided with crimping sockets.

At all bolted terminals, brass flat washer of large area and approved steel spring washers shall be used.

Brass nuts and bolts shall be used for all connections.

The pressure applied to tighten terminal screws shall be just adequate, neither too much nor too less.

Switches controlling lights, fans, socket outlets etc. shall be connected to the phase wire of circuits only.

Only certified wiremen shall be employed to do wiring / jointing work.

2.4.4 LOAD BALANCING

Balancing of circuits in three-phase installation shall be planned before the commencement of wiring and shall be strictly adhered to.

2.4.5 COLOUR CODE OF CONDUCTORS

Colour code shall be maintained for the entire wiring installation – red, yellow, blue for three phases, black for neutral and green for earth.

2.5 SWITCHES AND ACCESSORIES

2.5.1 SWITCHES

All 6- and 16 amps switches shall be of the modular flush mounting type unless otherwise stated, suitable for 250 Volt AC supply, best quality and of approved make. The switch moving and fixed contacts shall be of silver nickel and silver graphite alloy and contact tips coated with silver. Housing of switches shall be made from high impact resistant, flame retarding and ultra violet stabilized engineering plastic material.

2.5.2 FAN REGULATORS

Fan regulators shall be fixed inside the switch boxes on grid plates with tapped holes and brass machine screws unless otherwise stated, leaving ample space at the back and sides for accommodating wires. If fan regulator is to be fixed at the later date by Owners, provision for such fixing in the switchbox shall be provided and a blank of plate over the space meant for regulator shall be provided without any extra cost.

2.5.3 SOCKET OUTLETS

6/16 amp's socket outlets shall be of modular flush mounting type, unless otherwise stated, and shall be switched, three pin type and fitted with automatic linear safety shutters to ensure safety from prying fingers. Un switched 6/16-amp socket outlets where called for shall also be of three pin type socket outlets shall be made from high impact resistant, flame retarding and ultra violet stabilized engineering plastic material.

Switches and sockets shall be located in the same plate. Plates for 6 amp switched / un switched power and telephone outlets shall be of the same size and shape.

An earth wire shall be provided along the wires feeding socket outlets for electrical appliances. The earth wire shall be connected to the earthing terminal screw inside the box. The earth terminal of the socket shall be connected to the earth terminal provided inside the box.

2.5.4 FLUSH PLATES

Switches, socket outlets, receptacles, and telephone outlets etc. in walls shall be provided with moulded cover plates of approved colour, shape and size made from high impact resistant, flame retarding and ultra violet stabilized engineering plastic material, and secured to the box with counter sunk / round head chromium plated brass screws unless otherwise stated. Where two or more switches are installed together, they shall be provided with one common switch cover plate as described above with notches to accommodate all switches either in one, two or three rows.

One and two gang switch cover plate, telephone outlet cover plate, 6 and 16 amps switched / un switched outlet plates, shall have the same shape and size. Three and four gang switch cover plates shall have the same shape and size. Six and eight gang switch cover plates shall have the same shape and size. Nine and twelve switch cover plates shall have the same shape and size. Whenever five switches, seven switches, ten switches and eleven switches are to be fixed the next higher size of gang switch cover plate to be used and extra openings shall be provided with blank-offs.

2.5.5 OUTDOOR SWITCHES

Switches located outdoors shall be, of required size, type and rating and shall be provided in weather proof enclosures, with weather proof gasket covers. The MCS's/ uses for all outdoor switches shall be separate and of required rating.

2.5.6 LIGHTING FIXTURES, FANS AND EXHAUST FANS

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Light fixtures and fittings shall be assembled and installed complete as required and make ready for service, in accordance with drawings, instructions and as offered by Engineer-in-charge.

Wires brought out from junction boxes shall be encased in flexible conduits of make and quality approved by Engineer-in-charge for connecting to fixtures concealed in suspended ceilings. Flexible conduits shall be provided with a check nuts at both ends.

Pendant fixtures specified with overall lengths are subject to change and shall be checked with site conditions and installed as required.

All suspended fixtures shall mount on rigid and fixed in position in accordance with drawings, instructions and as approved by Engineer-in-charge.

Fixtures shall be suspended true to alignment, plumb, level and capable of resisting all lateral and vertical force.

All suspended light fixtures, fans etc. shall be provided with concealed suspension arrangement in the concrete slab / roof members. Making adequate provision for such arrangements at the appropriate stage of construction is deemed to be included in Contractors' scope.

Exhaust fans shall be fixed and locations shown on the drawings. They shall be wired to a plug socket at a convenient location near the fan in flexible conduits.

All switch and outlet boxes, and fan regulators shall be bonded to earth with bare copper wire or equivalent as required.

Wires shall be connected to all fixtures through connector blocks.

Down rods of ceiling fans shall be minimum 19 mm dia class B GI pipes. These shall be rigidly connected to the ceiling fan in an approved manner and shall be connected to the concealed hook in the ceiling by means of standard shackle arrangement as approved by Engineer-in-charge.

2.6 MEASUREMENT AND PAYMENT OF WIRING

Wiring for lights, fans, socket outlets, telephone outlets etc., carried out as per tender specifications shall be measured and paid on point basis only unless otherwise specifically stipulated. The point wiring basis shall assume average wiring length and average conduiting length per point base on parameters stipulated in paragraph below. The average wiring length and average conducting length forming the basis of point wiring payment, shall take the electrical layouts of the entire project into consideration. Tenderers are advised to seek clarifications, if they so desire, on this aspect before submitting their tenders. No claim for extra payment on account of electrical layouts in parts of the project requiring larger average wiring and conduiting length per point whether specifically shown in tender drawings or not shall be entertained after the award of contract.

2.6.1 POINT WIRING

Point wiring shall be carried out as per following parameter. In concealed / surface conduit system unless otherwise stipulated. Only looping system of wiring shall be adopted throughout. All accessories shall be flush types unless otherwise stated. For estimation of load, following loads per point shall be assumed.

Light points	100 Watts
6 amps socket outlet points	100 watts
Fan points	60 watts
Exhaust fan points	300 Watts or as specified
16-amp socket outlet points	1000 watts.

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Light points, fan points and 6 amp socket outlet points may be wired on a common final such circuit. Such circuit shall not normally have more than a total of ten light, fan or socket outlets or a load of 800 watts. Wiring from DB to the first switch in each first sub-circuit is defined as circuit wiring which shall be wired with on size higher wire.

Power circuits shall normally have maximum one 16 amps' socket outlet unless otherwise stated. Separate circuit shall be run for each geyser, kitchen equipment, window air conditioners and similar appliances.

Point wiring rates shall include painting of conduits and other accessories as required. Point wiring rates shall include cleaning of dust, splashes of colour wash or paint from all fixtures, fans, fittings etc. at the time of taking over of the installation.

2.6.2 LIGHT POINT

Light point wiring shall commence at the distribution board terminals and shall terminate at the terminate at the ceiling rose/connector in ceiling box/lamp holder via the control switch. Rates quoted shall be deemed to be inclusive of the cost of entire materials and labour required for completion of point wiring thus defined including: a) concealed/surface conducting system complete with all accessories, junction/draw/inspection boxes, screwed brass bushes, check nuts etc complete as required, b) wiring with stranded copper (unless otherwise stated) PVC insulated 660Volt grade wires for point wiring including circuit wiring (wiring from distribution board terminals to the first switch in the circuit) and terminals etc. complete as required), control switch with switch box and cover plate of specified type including fixing screws, earth terminal etc. complete as required) loop earthing with bare copper wires.

2.6.3 CEILING FAN POINT

Point wiring for ceiling fan points shall be same as for light points in para 6.3 above and shall in addition, include ceiling outlet box with recessed fan hoods and provision in the switch box for mounting the fan regulator. Switch socket shall be earthed with bare copper wires as required.

2.6.4 EXHAUST FAN POINT

Point wiring for exhaust fan point shall be same as for light point above and shall in addition include socket outlet near the exhaust fan and control switch with regulator at a convenient location complete as required.

3 PINS 5 AMPS SOCKET OUTLET POINT (LIGHTING)

Point wiring for lighting convenience socket outlet points shall be same as for light points above and shall in addition include 3 pin 5 a control switch of specified type mounted in a ms box with cover as required and 3rd pin earthed with bare Cu wire as specified

3 PINS 16 AMPS SOCKET OUTLET POINT (POWER)

Point wiring for lighting convenience socket outlet points shall be same as for light points above and shall in addition include 3 pin 5 a control switch of specified type mounted in a ms box with cover as required and 3rd pin earthed with bare Cu wire as specified

2.6.5 CIRCUIT WIRING

Wiring from DB to the first switch in any sub circuit is defined as circuit wiring min. size of PVC insulated Cu conductor wires for all circuit wiring for light, exhaust fan, ceiling fan, and lighting convenience outlet point shall be 2.5 sq.mm unless otherwise specified. Circuit wiring shall not be separately measured and paid for point wiring rates shall include the cost of providing circuit wiring as required.

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Sub main wiring shall comprise of stranded Cu conductor PVC insulated 660V grade wires in ms conduits including loop earthing, termination etc complete as required. Sizes of conduits, no. / type / size of wires and loop earthing shall be as stipulated in the schedule of quantities and / or drawings.

Wires shall be drawn in the concealed or surface conduits as required, without being damaged. For this purpose, draw boxes shall be located at convenient locations.

Every sub mains shall run in an independent conduit with an independent earth wire of bare Cu as specified running along the entire run of conduit. For 1 Ph. One earth wire and for 3 ph. 2 earth wire shall run.

Necessary provision of wire lengths entering and emerging from the conduit shall be made for connection. Measurement shall be taken of the actual conduit run containing the wires from one point to another.

3.0 MEDIUM VOLTAGE CABLES

Specifications for cables will be as per enclosed.ES: 8160

4.0 MEDIUM VOLTAGE FINAL DISTRIBUTION BOARDS**STANDARDS AND CODES**

Indian Standard Specifications and codes of practice will apply to the equipment and the work covered by the scope of this contract. In addition, the relevant clauses of the Indian Electricity Act 1910 and Indian Electricity Rules 1956 as amended upto date shall apply.

MINIATURE CIRCUIT BREAKER

The MCB's shall be of the completely moulded design suitable for operation at 240 / 415 V 50Hz system. The MCB's shall have a rupturing capacity of 10 KA at 0.5 pf. The MCB's shall have inverse time delayed thermal overload and instantaneous magnetic short circuit protection. Type test certificates from independent authorities shall be submitted with the tender.

FINAL DISTRIBUTION BOARDS

Final distribution boards shall be flush mounting, today enclosed, dust and vermin proof and shall comprise of miniature circuit breakers, earth leakage circuit breakers neutral link etc. as detailed in the schedule of quantities. The distribution equipment forming a part of the distribution board shall comply with the relevant standards and codes of the bureau of Indian Standards and as per detailed specification included in this tender document. The board shall be fabricated from 14 gauge CRCA sheet steel and shall have a hinged lockable spring loaded cover. All cutouts and cover shall be provided with synthetic rubber gaskets. The entire construction shall have IP54 degree of protection. The bus bar shall be of Cu having a maximum current density of 1.6 A / sq.mm and PVC insulated throughout the length. All the internal connection shall be with either solid Cu PVC insulated or Cu conductor PVC insulated wires of adequate rating. All the internal connection shall be concealed by providing a hinged protective panel to avoid accidental contact with live points. All outgoing equipment shall be concealed direct to the bus bar on the live side. The equipment shall be mounted on a frame work for easy removal and maintenance. The sheet steel work shall undergo a rigorous rust proofing process, two coats of filter oxide primer and final powder coated paint finish. All the circuit shall have an independent neutral insulated wire, one per circuit, and shall be numbered and marked as required by the Engineer –in-charge. A sample of the completed board is to be got approved by the Engineer-in-charge before commencement of supply and erection.

SHEET STEEL TREATMENT AND PAINTING

Sheet steel materials used in the construction of these units should have undergone a

rigorous rust proofing process comprising of alkaline degreasing, de-scaling in dilute Sulphuric acid and recognized phosphate process. The steel work shall receive two coats of oxide filler primer before final painting. All the sheet steel shall after metal treatment is given powder coating finish painted with two coats of shade 692 of IS-5 on the outside and white in the inside. Each coat of the paint shall be **properly stove** and paint thickness shall not be less than 50 microns.

NAME PLATES AND LABELS

Suitable engraved white on black nameplate and identification labels of metal for all switch board shall be provided. These shall indicate the feeder no. and feeder designation.

5.0 MEDIUM VOLTAGE SWITCHBOARD

Specifications for switchboard will be as per enclosed **ES: 8060**

6.0 MUSIC SYSTEM

Supply, installation & commissioning of customised music cum audio system, amplifier with MP3/CD/DVD/BLU RAY/USB player & cassette player, fm radio facility etc. Make: PHILLIPS/ SONY/

KENWOOD with flush mounted on the false ceiling with proper clamping arrangement. Supply, installation & commissioning of PHILLIPS/ SONY/ KENWOOD make music speaker point wiring for music system: supply & installation of point wiring for music cum pa system comprising of 2 x 1.5 sqmm standard, copper conductor, flexible PVC insulated & PVC sheathed wire pulled through 20mm dia PVC heavy gauge conduits and looped from one speaker to other hand to the volume control switch wherever applicable & finally terminated & tag block.

All necessary materials/works which is required for commissioning of customised audio/music system to be supplied by the contractor as per direction of EIC.

7.0 ADDRESABLE FIRE ALARM DETECTION SYSTEM

Supply, installation & commissioning of addressable low-profile photoelectric smoke detector with base(make Honeywell or equivalent as per direction of EIC), low-profile photoelectric heat detector with base(make Honeywell or equivalent as per direction of EIC), addressable manual call point(make Honeywell or equivalent as per direction of EIC), addressable loop isolation module(make Honeywell or equivalent as per direction of EIC), addressable intelligent wall mounted strobe cum sound recorder of (make Honeywell or equivalent as per direction of EIC), supply of necessary 2x1.5 sqmm (should FR type & make of polycab or equivalent) cable for wiring of necessary sensing device to the addressable standalone fire alarm control panel with adequate size PVC casing/pipe with all sort of fixing materials and accessories required to complete this job in all respect. Supply, installation & commissioning of addressable standalone fire alarm control panel, 198 points (99 detectors & 99 devices), intelligent 80- character LCD display with backlighting, detector sensitivity test capability (NFPA 72 complaint) history file with 1000- event capacity with facility of maintenance alert. Entire system should be integrated with existing system and commissioning to be done in all respect.

Wiring for fire detection and alarm system shall comprise of connecting main fire alarm system in existing fire station building with fire alarm and annunciation panel in the renovated canteen building, complete wiring for smoke detectors, heat detectors, response indicators, manual call points, electronic hooters etc. inside the building including supply, erection, installation, testing and commissioning the system. Incoming supply from main fire alarm panel to 10 zone fire alarm and annunciation panel in the canteen building should be done with 6 core X 2.5 sq.mm. PVC insulated armoured Cu cable. Internal wiring for fire detection system inside the new building shall be done with 2 C X 1.5 sq.mm. PVC insulated Cu wire laid in Heavy duty 16 SWG MS conduits.

This wiring shall include interconnection of smoke detectors, heat detectors response indicators manual call points, electronic hooters and 10 zone fire alarm panel. Smoke detectors shall be Ionisation type complete with LED indicators and mounting base. Heat detector shall be ROR cum fixed temperature type with LED indicator complete with mounting base. Response indicators shall be with Red LEDs and complete with MS housing and anodized Aluminium cover plate etc. Manual call points shall be of glass break type complete with MS housing, Hammer and chain arrangement. Electronic hooters shall be dual tone type. Fire alarm and annunciation panel shall be 10 zone type panel with window type annunciation to indicate fire and fault through suitable indicator, audio alarm unit complete with push buttons for acknowledge / test / reset with main power supply block backed by 24 V 60 AH battery backup including built in battery charger. Complete installation shall be done as shown in the GA drawing.

The Fire detection & Alarm System shall be a system comprising of automatic sensor e.g. smoke & heat detectors, main panel, zonal panel, hooter, battery charger and other hardware. The system shall be designed to provide audio-visual indication at the main panel to be located in fire station and zonal panel in control rooms.

Electrical siren shall be provided to cover entire plant area.

Hooters and exit lights shall be provided at required location in the buildings.

Panel design and component selection shall be done for future extension up to 10% of specified zone or one zone, whichever is maximum in each panel. The design of common facility and hardware shall be provided for future extension of zones.

Annunciation with accept/reset push button is to be provided in control room/panel.

Area wise grouping shall be done in parallel connection of each smoke detector contacts of particular.

It should meet with standard fire code of the India.

Fire alarm system employing intrinsically safe circuit and shall operate a 24 V DC supply.

8.0 EARTHING

General

All non-current carrying metal parts of electrical installation shall be earthed properly. All metal conduits, trunking, cable sheaths, switchgears, distribution fuse boards, light fittings and all other parts made of metal shall be bonded together and connected by means of specified earthing conductors to an efficient earthing system. All earthing shall be in conformity with Indian Electricity Rules.

The earthing system shall comprise of-

- a) Earth electrode
- b) Earthing leads
- c) Earth conductor

All three-phase equipment shall have two separate and distinct body earth and single phase equipment shall have single body earth.

EARTHING MATERIAL

Materials of which the protective system is composed shall be resistant to corrosion or be adequately protected against corrosion. The material shall be as specified in the schedule of quantities and shall comply with the following requirements:

1. Copper – When solid or stranded copper wire is used it shall be of the grade ordinarily required for commercial electrical work generally designated as being of 98% conductivity when annealed, conforming to Indian standard specifications.
2. Galvanized Steel – Galvanized steel used shall be thoroughly protected against corrosion by hot dipped Zinc coating. The material coating shall withstand the test specified in IS2309: 1969.

3. The strips to be used shall be in maximum lengths available as manufactured normally avoiding unnecessary joints.

EARTHING CONDUCTORS

Earthing conductors shall form the earthing network throughout the installation for earthing of all non-carrying metal parts.

CONNECTION OF EARTHING CONDUCTORS

Main earthing conductors shall be taken from the earth connections at the main switch boards to all distribution boards in the network.

Metal conduits, cable sheathing and armoring shall be earthed at the ends adjacent to switch boards at which they originate, or otherwise at the commencement of run by an earthing conductor in effective electrical contact with cable sheathing, Switches, accessories, lighting fitting etc. shall be effectively connected to the loop Earthing conductors. These through rigidly secured in effective electrical contact with a run of metallic conduit shall not be considered earthed, even though the run of metallic conduit is earthed.

EARTHING CURRENT INSTALLATION

The earthing conductors inside the building wherever exposed shall be properly protected from mechanical injury by running the same in GI pipe of adequate size.

Joints shall be reverted and brazed in approved manner.

Sweated lugs of adequate size shall be used for termination. Lugs shall be bolted to the equipment body to be earthed after the metal body is cleaned of paint and other only substances and properly tinned.

PROHIBITED CONNECTION

Neutral conductor, pipes conveying water, gas or inflammable liquid, structural steel work, metallic enclosures, metallic conduits and lighting protection system conductors shall not be used as a means of earthing an installation or even as a link in an earthing system.

RESISTANCE TO EARTH

No earth electrode shall have a greater ohmic resistance 3ohms as measured by an approved earth testing apparatus. In rocky soil, the resistance may be up to 1 ohm. The electrical resistance measured between earth connection at the main switch board and any other point on the completed installation shall be low enough to permit the passage of current necessary to operate fuses or circuit breakers and shall not exceed 1 ohm.

9.0 ROUTING AND COMPLETION TESTS

INSTALLATION COMPLETION TESTS

At the completion of the work, the entire installation shall be subject to the following tests—

1. Wiring continuity test
2. IR test
3. Earth continuity test
4. Earth resistivity test

Besides the above any other test specified by the local authority shall be carried out. All tested and calibrated instruments for testing, labour, materials and incidentals necessary to conduct the above tests shall be provided by the contractor at his own costs.

Wiring Continuity Test

All wiring systems shall be tested for continuity of circuits, short circuits and earthing after wiring is completed and before installation is energized.

Insulation Resistance Test

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The insulation resistance shall be measured between earth and the whole system conductors, or any section thereof with all fuses in place and all switches closed and except in concentric wiring all lamps in position of both poles of the installation otherwise electrically connected together, a direct current pressure of not less than twice the working pressure provided that it does not exceed 660 volts for medium voltage circuits. Where the supply is derived from AC three phase system, the neutral pole of which is connected to earth, either direct or through added resistance, pressure shall be deemed to be that which is maintained between the phase conductor and the neutral. The insulation resistance measured as above shall not be less than 50 megohms divided by the number of points provided on the circuit the whole installation shall not have an insulation resistance lower than one megohm.

The insulation resistance shall also be measured between all conductors connected to one phase conductor of the supply and shall be carried out after removing all metallic connections between the two poles of the installation and in those circumstances the insulation shall not be less than that specified above.

The insulation resistance between the frame work of housing of power appliances and all live parts of each appliance shall not be less than that specified in the relevant Standard specification or where there is no such specification, shall not be less than half a megohm or when PVC insulated cables are used for wiring 12.5 megohms divided by the number of outlets. Where a whole installation is being tested a lower value than that given by the above formula subject to minimum of 1 Megohms is acceptable.

Testing of Earth Continuity Path

The earth continuity conductor including metal conduits and metallic envelopes of cable in all cases shall be tested for electric continuity and the electrical resistance of the same alongwith the earthing lead but excluding any added resistance of earth leakage circuit breaker measured from the connection with the earth electrode to any point in the earth continuity conductor in the completed installation shall not exceed one ohm.

Testing of Polarity of non-linked Single Pole Switches

In a two-wire installation, a test shall be made to verify that all non-linked single pole switches have been connected to the same conductor throughout, and such conductor shall be labeled or marked for connection to an outer or phase conductor or to the non-earthed conductor of the supply. In the three or four-wire installation, a test shall be made to verify that every non-linked single pole switch is fitted to one of the outer or phase conductor of the supply. The entire electrical installation shall be subject to the final acceptance of the Engineer-in-charge as well as the local authorities.

Earth Resistivity Test

Earth resistivity test shall be carried out in accordance with IS Code of Practice for earthing IS 3043.

Performance

Should the above tests not comply with the limits and requirements as above the contractor shall rectify the faults until the required results are obtained. The contractor shall be responsible for providing the necessary instruments and subsidiary earths for carrying out the tests. The above tests are to be carried out by the contractor without any extra charge.

Tests and Test Reports

The contractor shall furnish test reports and preliminary drawings for the equipment to the Engineer-in-charge for approval before commencing supply of the equipment. The Contractor should intimate with the tender the equipment intended to be supplied with its technical particulars. Any test certificates etc., required by the local Inspectors or any

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other Authorities would be supplied by the Contractor without any extra charge.

10.0 LICENCED SUPERVISOR AND WORKMAN:

It is obligatory under the IE Rules that all electrical installation works shall be executed under qualified electrical Supervisor holding Electrical Supervisor's Certificate of Competency, granted by the State Licensing Board. The Contractor will decide in consultation with the Engineer-in-Charge on the number of Electrical Licensed Supervisors to be engaged on the job. If the volume of work is such that it requires more than one such supervisor, and then employ such number.

The Contractor may employ artisans and wiremen but must also have sufficient number of highly skilled licensed electricians and workmen for the installation of switch fuses, distribution board, HT & LT switch gears, underground cable work etc.

The Contractor will remove any such workmen from the site of work who in the opinion of the Site Engineer is not sufficiently efficient or otherwise unsuitable for any reason whatsoever, upon receipt of intimation in writing by Engineer-in-Charge. The decision of Engineer-in-Charge shall be final.

11.0 INFORMATION TO BE FURNISHED BY TENDERER:

The tenderer shall furnish the following information along with the tender:

1. **Contractor's License Number and :
Next date of renewal.**
2. **Name of Electrical Supervisor with :
Registration Number.**
3. **Parts in which Electrical supervisor's:
Certificate of Company has been issue
by the Licensing Board.**
4. **Next Date of renewal of supervisor's:
Certificate.**

The owner in case the above information is not furnished may reject the tender without assigning any reason whatsoever.

12.0 TEST REPORT AND BILLS:

Within 15 days from the date of completion of prior to the date of final measurement of work, whichever is earlier the Contractor will furnish the installation test report, of which all tests must be carried out in presence of the Site Engineer and Contractor's Supervisor and signed by both of them. First and final bill shall not be paid to the Contractor unless a complete and satisfactory test report is received by the Engineer-in-Charge on the installation.

13.0 TESTING AND COMMISSIONING OF INSTALLATION:

After satisfactory completion of the job, the contractor should apply to the AT&T or networking Contractor of IOCL for approving the networking work. The owner will assist the Contractor for get the installation approved before commissioning the installation.

14.0 COMPLETION TEST:

On completion of wiring (or an extension to an installation) a certificate will be furnished by the Contractor in a prescribed form duly signed by the certified supervisor under whose direct supervision of the installation was carried out. The certificate will obtain the following main points.

- a) Continuity test for each circuit.
- b) Physical verification for ferruling, numbering and no damage.
- c) Megger value of all cables, circuits etc.
- d) Earth resistance value of earth stations.
- e) Any other routine test specified by the engineer in charge.

The contractor will be supplied with one copy of the drawing. On completion of the work, he will submit the drawing therein:

- a) Circuit routes and points.
- b) Schedule of wires.
- c) DB details.
- d) Schedule of DBs.
- e) All drawing as required by the Engineer in charge after completion.

WHITE WASHING, COLOUR WASHING, DISTEMPERING, PAINTING AND POLISHING**1.0 Painting of wall and ceiling surface****1.1 Preparation of surface**

Preparation of surface shall be thoroughly brushed free from mortar droppings and foreign matters and prepared to the Satisfaction of Engineer in charge. The surface shall be vetted with clean water before the paint is applied.

1.2 Preparation of paint

Waterproof cement paint of approved make shall be mixed with water and stirred to obtain a thick paste which shall then be diluted to brushable consistency. The Proportion of mixture shall be as manufacturer's recommendation. The paint shall be mixed in such quantity which can be used up within an hour of mixing to avoid setting and thickening of the paint.

1.3 Application of paint

The surface shall be treated with minimum two coats of waterproof cement paint. No less than 24 hours shall be applied only after the preceding coat become hard to resist marking by subsequent brushing.

The finished surface shall be even and uniform in shade without patches brush marks paint drops etc. Cement paints shall be applied with a brush with relatively short stiff hog or fibre bristles.

1.4 Curing

Curing shall be started after the paint has hardened. Curing shall be done by sprinkling with water two or three times a day. This shall be done between coats and for at least two days following the final coat.

2.0 Painting of steel and other metal surface**2.1 General**

Reference shall be made to the following Indian Standards: IS 2524, IS 1447.

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The surface, before painting, shall be cleaned of all rust, scale, dirt and other foreign matter with wire brushes, steel wood, scrappers, sand paper etc. The surface shall then be wiped finally with mineral turpentine which shall then be removed of grease etc. The surface then shall be allowed to dry.

In case of GI surface, surface so prepared shall be treated with Mordant solution (5 liters for about 100 Sq.m.) by rubbing the solution generously with brush. After about half an hour, the surface If required shall be retouched and washed down Thoroughly with clean cold water and allowed to dry.

2.3 Application of priming paints

Approved quality primer and paint in specified no. of coats shall be applied as per manufacturer's Recommendations either by brushing or spraying. Each subsequent coat shall be applied only after the preceding coat is dried.

2.4 Measurement and rate

All work shall be measured in areas. Areas shall be worked out to the nearest 0.01 sq.m. and all dimensions to the nearest 0.01 metre. Deductions shall be made in accordance with Specification no. 6-75-05. The rate shall include the cost of all materials, labour, scaffolding, protective measures etc. and all works involved in specification. The rate shall also include, if not mentioned otherwise, conveyance, delivery, handling, unloading, storing etc.

GENERAL SPECIFICATIONS**GENERAL PARTICULARS AND REQUIREMENTS****1. General**

1.1 The Conditions of Contract, schedule of quantities and the drawings shall be read in conjunctions with this specification and matters referred to shown or described in any of the former are not necessarily repeated in the latter.

The work under this contract shall be carried out in accordance with general conditions of contract, special conditions of contract, specifications drawings, schedule of quantities forming part of this contract and the latest Indian standard specifications and codes of practice referred to in these specifications.

1.2 Discrepancy between drawings & specifications and schedule of quantities.

1.2.1 In the event of any discrepancy between this specification and the latest Indian standard specifications/codes of practice the provisions in these specifications shall take precedence over the other specifications.

1.2.2 In case of any discrepancy between specifications, schedule of quantities and contract drawings or such other drawings as may be issued during progress of works, the matter shall be referred to the engineer in charge for clarification and decision. The contractor shall execute the work in accordance with the decision the Engineer in charge. And under no circumstance whatsoever, the contractor shall carry out the works on the basis of his own interpretation and understanding of the apparent discrepancy. It will however be deemed that the contractor has quoted on the basis of the description of the B.O.Q including preamble.

1.2.3 Protection to work from weather

The contractor shall cover up and protect all the works from weather and shall suspend all the wet operations during a weather which, in the opinion of the engineer in charge will be to the work.

1.2.4 Dimension in drawings

Figured dimensions are to be follows in all cases and in no case shall they be sealed; large scale details take precedence over shall scale drawings. In general, drawings shall indicate dimensions, positions and type of constructions, the specifications shall indicate the quality, standard and methodology of work and the schedule of quantities shall indicate the estimated approximate quantities and brief description of item.

1.2.5 Method of Measurement

Unless otherwise described in the preamble to the schedule of quantities, the method of measurement shall be as described in Method of measurement “of building and civil engineering works IS 1200 (part – I to XVV) latest edition of bureau of Indian standards.

1.3 Materials

All materials/fitting/equipment’s supplied and incorporated in the work shall comply with the requirements for relevant Indian standards (latest applicable standards) and also shall meet approval of Engineer in charge.

1.3.1 The Contractor shall produce samples of all materials/fittings of sizes/number as required by the engineer in charge before incorporation of these materials/ fittings in the work prior approval of the engineer in charge. The approved sample shall remain in custody of engineer in charge till expire of defect liability period and returned thereafter. Samples of consumables, tiles, sand aggregate will however, not be returned. Bulk procurement of materials shall not be commenced until the samples are duly approved in writing. The materials/fittings to be provided by the contractor shall conform to or shall be superior to the samples approved.

1.4 Contract price

1.4.1 The contract price quoted by the contractor shall be deemed to include for any details of construction which are obviously and fairly intended and which are incidental to the item but may not have been clearly shown and or specified.

1.5 Notice of operation

1.5.1 No important operation shall be commenced nor shall work outside the usual working hours be carried out without the consent in writing of the engineer in charge or without full and complete notice.

1.6 Sequence of works

1.6.1 The sequence in which the works are to be carried out shall be to the approval of the engineer in charge and shall be such as to suit the detailed method of construction adopted by the contractor. The works shall also be carried out so as to enable the other contractors to work concurrently for early completion of the works.

1.7 Setting out the work

1.7.1 The contractor shall set out and measure up all the works in accordance with the contract documents and for this purpose he shall appoint technical and other category staff and also provide for all necessary assistants needed.

1.7.2 The Contractor shall be entirely responsible for the accurate and perfect setting out of all works, whether such setting out be executed by his own staff or not, and not withstanding that

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the engineer in charge may furnish bench marks and set out or give the necessary directions for setting out the work, the contractor must satisfy himself as to the accuracy of these and shall, at his own cost rectify and make good any and all defects which may arise from errors in the lines and levels, and no inaccuracy in the setting out and in the construction of the works shall be founded on by the contractor as a reason for any claim against the owner by the corporation.

1.8 Responsibility for carrying out works

1.8.1 The responsibility for carrying out the works and the methods to be adopted under this contract shall rest solely with the contractor subject always to the approval by the engineer in charge of the contractor's proposals. Such approvals shall not, however relieve the contractor in any way of his responsibility for the proper execution of works in accordance with the contract.

1.9 Construction equipment, works, building materials etc.

1.9.1 The Contractor's attention is specially directed to the fact that the requirements of the specification are general and applicable to all the works.

1.9.2 In addition, the following general requirements given in sub pars 1.9.2 (i) to 1.9.2 (iii) shall also be held to apply to every part of works where applicable.

(i) Use of plant, materials etc for safe construction

All the labour, constructional plant, machinery, tools, instruments, tackle and equipment temporary offices, workmen's sanitary and welfare arrangement and other buildings, temporary structures, works, services and operations materials, stores and things of whatever description necessary to construct, complete and maintain the whole of the works, temporary or permanent, or to fulfill the requirements specified in the contract shall be provided and used by the contractor, and the constructional plant, equipment, materials, temporary building, works, services etc. shall be of a type, capacity power or quantity, strength, design and construction and erected in such position or used or executed at such times and in such manner as are specified in the contract and as be most efficient and suitable for the proper and safe execution of the work to be undertaken under this contract.

(ii) Utilities to be provided by contractor

The contractor shall make his own arrangements and except where otherwise indicated shall at all points where they are required such supplies of water, fuel, light and power as he may require for all the operations under the contract, and shall also provide and use all the necessary appliances, works, services and other things necessary to distribute the supplies to the various parts of the works.

(iii) Furnishing information to engineer in charge

The Contractor shall when required by the Engineer in charge furnish all information as to quality, weight, constituent substances, dimensions, levels, strength and description of the materials and works and give the Engineer –in charge such other particulars as may be required.

1.10 Names of manufacturers and copies of orders before ordering any material of any description of the permanent works the contractor shall submit for the approval of the Engineer in charge, the names of the makers and suppliers proposed and any other detail required by the engineer in charge and shall afterwards send to the Engineer in charge, copies in quadruplicate, of the orders given by the contractor for the materials. All materials shall be suitable for local climatic conditions.

1.11 Manufacturers' name sizes catalogue numbers and / or samples of all materials shall be submitted for approval.

1.12. Proprietary Materials

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1.12.1 Proprietary materials to be used in the works and shall when brought to site be not inspected by the engineer in charge. The contractor shall, on demand, produce to the Engineer in charge original Receipts/vouchers/invoices in respect of the Supplies.

1.13 Test Certificates

1.13.1 All manufacturer's certificates of test proof, sheets, mill sheets, etc. showing that the materials have been tested in accordance with the requirements of the appropriate Indian standard, other relevant standard specification or this specification, are to be supplied free of charges, on request to the engineer in charge.

1.14 Storage of Materials

1.14.1 All materials used in the permanent works shall be stored on racks supports, in bins under cover etc. as appropriate to prevent deterioration or damage from any cause whatsoever to the entire satisfaction of the engineer in charge and as amplified in the succeeding clauses.

1.15 Records and usage of materials

1.15.1 The contractor shall maintain a detailed record of all materials received on the site or in his stores or storage and working areas in the vicinity of the site and shall make such records available to the engineer in charge. At such times as the latter may reasonably require.

1.16 Forming holes & making good

1.16.1 All holes shall be left or provided in concrete including reinforced cement concrete, brick work and in any other situations as required for or directed by the engineer in charge and shall be made good, in the same mortar mix as specified for that portion of the work. No extra payment on this account will be made to the contractor.

1.17 Keeping site clean

1.17.1 The contractor shall at all-time keep the site free from all surplus materials, rubbish and offensive matter which shall be disposed of in a manner to be approved by the Engineer in charge.

1.18 Safety precautions

1.18.1 The contractor shall take all necessary safety precautions to prevent the possibility of accidents which may be caused mechanically electrically or otherwise during the course of the works. The works shall include the provision and fixing of detachable guards of approved design to cover all moving machine parts wherever they may be located and whether they are intended to be permanent or temporary and, in such manner, as to comply with the appropriate statutory requirements it shall also include such step-down transformers as at be used for potable electrical tools.

1.19 Maintenance of Finishes

1.19.1 The contractor shall cover up and protect the various works and portions thereof from all damage due to unconsidered or rough treatment, dust grit or damage in other ways. All bright parts of fittings shall be covered with transparent polyethylene sheeting and shall be cleaned and polished before being handed over wherever is required.

GENERAL SCOPE

1. These specifications establish and define the material and constructional requirements for CIVIL and STRUCTURAL WORKS.
2. Method of measurements are indicated in these specifications, where not so specified, latest revision of IS:1200 shall be applicable.

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3. Providing and operating necessary measuring and testing devices and materials including all consumables are included in the scope of work. No separate measurement or payment for testing the work shall be made but rates quoted for various items shall be deemed to include the cost of such tests which are required to ensure achievement of specified quality.
4. All materials shall be of standard quality, manufactured by renowned concerns conforming to Indian Standards or equivalent and shall have IS mark as far as possible unless otherwise approved by the Engineer-in-Charge. The contractor shall get all materials approved by the Engineer-in-Charge prior to procurement and use. The contractor shall furnish manufacturer's certificates for the materials supplied by him when asked for. Further to that he shall get the materials tested from an approved test house if asked for by the Engineer-in-Charge.
5. The cost for all the tests and test certificates shall be borne by the Contractor. No separate payment shall be made for the testing. The Engineer-in-Charge shall have the right to determine whether all or any of the materials are suitable. Any materials procured or brought to site and not conforming to specifications and satisfaction of the Engineer-in-Charge shall be rejected and the contractor shall have to remove the same immediately from site at his own expense and without any claim for compensation due to such rejection. Wherever referred to in this tender document, only the latest revision which shall be in force till the completion work, of specifications, codes of practice and other publications of Bureau of Indian Standards shall be applicable.
6. Wherever the Contractor executes civil and structural works involving buildings, equipment foundations, supporting structures pipe racks, etc., the following works are deemed to have been included in the quoted rates for various works.
 - 6.1 Marking of center lines of foundations.
 - 6.2 Marking of top levels of foundations, floors etc. and establishment of reference lines, bench marks on various floors, platforms etc.
 - 6.3 Preparations of "as built" scheme of structural foundations, equipment foundations etc. indicating designed and achieved levels, centre lines and dimensions of pockets, position and level of anchor bolt etc.
7. The provisions of schedule of rates, specifications and drawings shall be read in conjunction with each other and in case of conflict amongst them, the clarification shall be obtained from the Engineer-in-Charge whose decision shall be final and binding. However, the following procedure may generally be followed.
 - 7.1 Description of items in schedule of rates shall be followed when provisions therein are different from those in specifications.
 - 7.2 Where the description of item does not call for some specific requirement but the same is given in specifications, the specifications shall be followed in addition to the requirement given in description of item.
 - 7.3 Where drawings call for requirements different from or additional to those given in item description and specifications, the decision of the Engineer-in-Charge shall be obtained as to what shall be followed.

EARTH WORK

1.0 SCOPE

This specification deals with earthwork in excavation and filling.

2.0 CLASSIFICATION OF SOIL

2.1 Soft/Loose Soil

Generally, any soil which yields to the ordinary application of pick and shovel or to pharaoh, rake or other ordinary digging implement; such as vegetable or organic soil, turf, gravel, sand, silt, loam, clay, peat etc.

2.2 Hard/Dense Soil

Generally, any soil which requires the close application of pick, or jumper or scarified to loosen such as stiff clay, gravel and cobble stone.

2.3 Soft/Disintegrated rock

Rock or boulder which may be quarried or split with crowbar. This will also include literate and hard conglomerate.

2.4 Hard Rock (Requiring Blasting)

Any rock or boulder for the excavation of which blasting is required.

2.5 Hard Rock (Requiring Controlled_ Blasting)

Due to any reason, if general blasting is prohibited, then for excavating these rocks, controlled blasting as approved by the Engineer-in-Charge shall be used.

2.6 Hard Rock (Blasting Prohibited)

Hard rock requiring blasting as described under 2.4 but where blasting is prohibited for any reason and excavation has to be carried out by chiseling, wedging or any other agreed method.

3. BACKFILLING MATERIAL

3.1 Backfilling material shall be as approved by the Engineer-in-Charge.

3.2 Back filling of excavations in trenches, foundations and elsewhere shall consists of one of the following materials as the Engineer-in-Charge may direct in each location.

- (i) Soil
- (ii) Selected earth from heaps or brought from borrow areas.
- (iii) Stone/gravel
- (iv) Sand
- (IV) Lean concrete

3.3 The material shall be free from rubbish, roots, hard lumps and any other foreign organic material.

4. SETTING OUT

4.1 The Contractor shall be responsible for the true and proper setting out of the work in relation to original points, Lines and levels of reference and for the correctness of the levels, dimensions and alignment of all parts of the work and for the provision of all necessary instruments, appliances and labour in connection therewith. If at any time during progress of the work any error appears or arises in the position of level, dimension, or alignment of part of the work, the Contractor at his own expense shall rectify such errors to the satisfaction of the Engineer-in-Charge. The checking of any line or level by the Engineer-in-Charge shall not in any way relieve the Contractor of his responsibilities.

- 4.2 The Contractor shall lay out one or more permanent benchmarks in some central place before the start of the work, from which all important levels for the excavations will be set. The Contractor shall provide all labour and materials for setting at his own cost. These permanent bench marks shall consist of masonry pillars with top neatly plastered and leveled as per the directions of the Engineer-in-Charge. Benchmarks shall be well connected with triangular grid system or any other benchmark approved by the Engineer-in-Charge.
5. EARTHWORK IN EXCAVATION
- 5.1 Excavation shall be carried out in any material met on the site to the lines, levels and contours shown on the detailed drawings and the Contractor shall remove all excavated materials to soil heaps on site or transport for use in filling on the site or stack them for reuse as directed.
- 5.2 Excavated material shall not be deposited within 1.5M from the top edge of the excavation.
- 5.3 The sides of the excavation may be cut sloping or shored and strutted to hold the face of earth as per site requirements and as directed by the Engineer-in-Charge. The Contractor shall remove all vegetation, shrubs etc. encountered during excavation.
- 5.4 Foundation pits/trenches shall not be excavated to the full depth unless construction is imminent. The last fifteen (15) cm depth of the excavation shall not be removed until concreting work is imminent. The full depth may at the discretion of the Engineer-in-Charge be excavated and the bed covered with a seventy-five (75mm) (minimum) thick (or as indicated on drawing) layer of lean concrete 1:5:10 mix (1 cement:5 Coarse sand:10 Crushed Stone Aggregates) or as specified in schedule of rates, after watering if required, and consolidating the bed.
- 5.5 The Contractor shall provide suitable drainage arrangement to prevent surface water from any source entering the foundation pits at his own cost.
- 5.6 If the bottom of any excavation has been left exposed by the Contractor and in the opinion of the Engineer-in-Charge, that has become badly affected by the atmosphere or by water, then the Contractor shall remove such portions of the deteriorated material as the Engineer-in-Charge may direct and shall make good with lean concrete 1:4:8 mix (1 Cement: 4 Coarse Sand: 8 Crushed Stone Aggregate). All expenses for such additional concrete and excavation shall be borne by the Contractor. The cement used for making good the above shall be taken into account for reconciliation purposes only.
- 5.7 Where excavation is made in excess of the depth required, the Contractor shall, at his own expenses, fill up to required level with lean concrete 1:5:10 mix (1 Cement: 5 Coarse Sand: 10 Crushed Stone Aggregates) or as decided by Engineer-in- Charge.
- 5.8 The Contractor shall make all arrangements for dewatering the accumulated water from any source including subsoil water in the excavated pits/trenches and keeping the surface dry for subsequent works at his own cost.
- 5.9 Lowering of water table by well point pumping shall be paid separately.
- 5.10 The Contractor shall make necessary arrangements for lighting, fencing and other suitable measures for protection against risk of accidents due to open excavation at his own expense.
- 5.11 Where the excavation is to be carried out below the foundation level of an adjacent structure, the precaution to be taken such as under pinning, shoring and strutting etc. shall be determined by the Engineer in Charge. No excavation shall be done unless such precautionary measures are carried out as per directions of the Engineer in Charge. The

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payment for such precautionary measures shall, however, be made separately unless the rate for such measures are specifically included in the rates for items of excavation.

- 5.12 Loose or soft bed ground encountered in excavation at the required depth shall on the Engineer' in Charge instructions be excavated to a firm bed and difference made up to the required level with lean concrete 1:5:10 mix (1 Cement: 5 Coarse Sand: 10 Crushed Stone Aggregates) or as decided by the Engineer in Charge.
- 5.13 In those cases, where during excavation side slips occur for reasons not attributable to the Contractor (e.g. side slips which take place on their own but not due to surcharge of earth kept near the edge of excavation and cracking of excavation top strata due to clay drying out leading to collapse of excavation sides), the Engineer in Charge shall admit payment at his discretion.
- 5.14 Any obstacle encountered during excavation shall be reported immediately to the Engineer in Charge and shall be dealt with as instructed by him. Removal of buried pipes or cables shall not be done without prior permission of the Engineer in Charge and the Contractor shall provide all measures to protect the same. Cost of such protective measures are deemed to be included in the rates for various items of excavation.
- 5.15 The Contractor shall not undertake any concreting in foundation until the excavation pit/trench is approved by the Engineer in Charge.
- 5.16 The specification for earth work shall also apply to excavation in rock in general. The excavation in rock shall be done such that extra excavation beyond the required width and depths as shown in drawing is not made. If any extra excavation particularly in depth is made by the contractor during the excavation operation, the Contractor shall make up such extra excavations with concrete 1:5:10 mix (1 Cement :5 Coarse Sand: 10 Crushed Stones Aggregates) to the required levels and shape at no extra cost to the Owner.
- 5.17 Payment:

Payment for earth work in excavation shall be made on cubic meter (M3) basis on the measurement of volume of pit / trench of excavation with working space as per IS:1200 and slopes/stepping as permitted by the Engineer in Charge. The rate shall include cost of all the operations of blasting with explosives & accessories, making of all arrangements for dewatering the accumulated water from any source in the excavated pit or trench, removal and disposal of surplus excavated soil within a lead of 100M from construction areas. The rate shall also include setting out and line out work Required for the excavation.

6. BACK FILLING AROUND FOUNDATIONS AND PLINTH

- 6.1 Back filling around completed foundations, structures, trenches and in plinth shall be done to the lines and levels shown on the drawings including any trimming of the surfaces, as may be necessary. This shall be done with selected and approved earth from excavation or otherwise with materials described under clause 3.2 as directed by the Engineer in Charge. Where sufficient suitable material is not available from the excavation, the Engineer in Charge may direct to import suitable earth from other sources. The filling shall be done in layers of thickness not exceeding 15 cm with watering, rolling and ramming by manual methods / mechanical compactors to specified grade and level to obtain 90% laboratory maximum dry density or as specified in schedule of rates.

- 6.2 The Contractor shall not commence filling in and around any work until it has been permitted by the Engineer in Charge.

6.3 Payment

Payment for backfilling with earth shall be based on volume in cubic meters (M3) of consolidated fill. This volume shall be derived from the difference between the volume

of excavation and structure or trenches as the case may be. The rate shall include cost of extracting suitable approved earth from available excavated soil from spoil heaps within a lead of 100M, placing, watering, rolling, ramming compacting in layers, trimming and dressing finished surface and disposal of surplus materials up to a lead of 100m. However, backfilling done with materials other than earth shall be paid separately under relevant items.

7. TRANSPORTATION OF SURPLUS EARTH

1.1 Surplus earth and soil from excavation shall be remove from construction area to the area demarcated by the Engineer in Charge.

1.2 Payment

1.3 Payment shall be made only for the lead beyond initial 100M from construction area. Rate shall include re-excavation, loading, transportation, dumping, stacking or spreading (as per directions of the Engineer in Charge) the surplus earth and the soil in the area demarcated by the Engineer in Charge. Payment shall be made on cubic meter (M3) basis on the difference of measurements of the volumes of the excavated pits and the measurement of the back filling. Quantity generated due to voids in back filled volume of earth shall also be removed by the Contractor at no extra cost and this disposal of earth shall not be measured and paid under any item.

1.4 In exceptional circumstances the Engineer in Charge may direct the Contractor to remove surplus earth, concrete debris or any other waste material from site to the areas disposal on the basis of truck measurement. In such cases volume of material shall be calculated on the basis of truck volume reduced by 30% for voids in case of soft/hand soils and 50% for soft/hand rock. All other provisions of disposal such as spreading, levelling, grading shall apply in this case also.

8. SAND FILLING IN PLINTH / FOUNDATIONS

8.1 Sand supplied by the Contractor for filling shall be medium hard, strong, clean, free from dust, organic and deleterious matter and approved by the Engineer in Charge.

8.2 Filling shall be carried out in layers not exceeding 15cms and shall be compacted mechanically or by saturation to specified grade and level and to obtain 90% laboratory maximum dry density or as specified in schedule of rates.

8.3 Compaction by flooding may be accepted at the discretion of the Engineer in Charge provided the required compaction is achieved.

8.4 The Contractor shall not commence filling and around any work until it has been permitted by the Engineer in Charge.

8.5 Payment

Payments shall be made on cubic meter (M3) basis of the finished compact volume. The rate shall include cost of sand for any compacted thickness, wastage if any, all handling, transport for all leads, tamping, watering, flooding, dressing etc. Any brick work required for pending shall be paid separately under relevant item.

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1.1 BRICK WORK**1.1.1 QUALITY****1.1.2 Bricks**

Bricks shall be of 1st class quality and conform to the latest Indian standard specification no. 1077-57. Bricks shall be whole, sound well burnt, free from cracks to ring when struck and not to crack or break when soaked in water, regular in shape and uniform in size. They shall be of the best of description, class designation obtainable in the market, and of the best quality and colour, and in every respect to be approved by the Engineer – in-charge unless otherwise specified. They shall be of F.P.S bricks of sizes 22.5 x 11.1 x 7.0 cm. No. bricks to absorb water more than one fifth of their own weight when dry for use in load bearing walls, for bricks used in panel walls, the water absorption shall not exceed one fourth of their dry weight. Bricks to be thoroughly cleaned, well wetted or soaked in fresh water before being used on the work and no broken bricks to be used except as closures. Specified brick quality shall be sampled as per IS: 5454-1978 and tested as per IS: 3495-1976. The bricks shall meet the criteria as per IS: 1077 – 1976 when tested as mentioned herein.

1.1.1.3 Brick bats

Brick bats shall be obtained from well burnt bricks.

1.1.1.4 Classification

The common burnt clay bricks shall be classified on the basis of their minimum comprehensive strength as given in the table below:

CLASSIFICATION OF BRICKS			
Class designation	Average compressive strength (Kg/square cm)		
	Not more than	Not less than	
75	75	100	
50	50	75	
45	45	60	
35	35	50	

1.1.1.5 Sampling:

For carrying out compressive strength, water absorption efflorescence and dimensional tests, the samples of the bricks shall be taken at random according to the size of the lot as specified in this document and samples thus taken shall be stored in a dry place until the tests are made.

1.4.2 SOAKING OF BRICKS:

Bricks required for masonry in cement mortar shall be thoroughly soaked in clean water before use for at least six hours and until air bubbles cease to come out. The soaked bricks shall be kept on wooden planks or bricks platform to avoid earth being smeared on them. Bricks required for masonry with mud or flat lime mortars shall not be soaked.

1.4.3 MORTAR:

All brickwork shall be laid with specified mortar to be prepared in specified proportion described in the relevant items of schedule of Quantities. It shall be of cement and coarse sand and shall be made in small quantities so as to be used up within 30 minutes. Then it shall be mixed to a sufficiently thick consistency as required by the Engineer-in-Charge. No left over mortar shall be used. The proportion to be used shall be as specified in the relevant items.

1.4.4 LAYING

1.4.4.1 General

1.4.4.2 Brickwork shall be carried out as per IS 2212. Brick work shall be laid in English Bond unless otherwise specified. Half or cut bricks shall not be used except when needed to complete the bond. Each course shall be perfectly straight horizontally and transverse. The walls be taken up truly plumb. If battered, the batter is to be truly maintained. The plumb of the brick work in vertical walls shall be checked up at every one-meter interval. Bricks shall be laid with frogs upward. While laying, bricks shall be the roughly bedded and flushed in mortar and tapped into position with a wooden wallet and the superfluous mortar removed.

1.4.4.3 Raking back of walls at angle:

Walls of all structures shall be carried up regularly in all cases, leveling no part, one meter lower than another. If this cannot be adhered to, the brick work shall be raked back at an angle not more than 45 degree so as to maintain a uniform and effectual bond but raking back should not start within 60 centimeter of a corner.

1.4.4.4 Buttresses, counter forts, etc.

In all cases returns, buttresses, counterfeits etc. are to be built up course-by-course carefully bound into the main walls.

1.4.4.5 Junction of walls

At all angles forming the junction of any two walls, the brick shall, at each alternate course, be carried into each of the respective walls so as to thoroughly unit the work. The brickwork shall not be raised more than courses per day.

1.4.5 JOINTS:

Joints shall be restricted to 1.0 cm for brickwork with bricks of any class designation (unless any wider vertical joints upto 10 mm is necessary to give the required thickness of the wall). All bed joints shall be normal to that pressure upon them i.e horizontal in vertical walls, radial in arches and at right angles to the face in battered retaining walls. The vertically joints in alternate course shall come directly one over the other and shall be truly vertical. Care shall be taken that all joints are fully filled with mortar (proportion as specified in bill of Quantities) well flushed up and in case where struck as the work proceeds. The joints in faces, which are to be plastered or pointed, shall be squarely raked out to a depth of 12mm while the mortar is still green. The raked joint shall be well brushed to remove loose particles. After the work, the faces of the brickwork shall be cleaned with wire brush so as to remove any splash of mortar during the course of raising the brickwork. Before joining the brick work with new brick work, old brick surface shall be raked brushed, cleaned and soaked with water.

1.4.6 FIXTURES TO BE PROVIDED:

All iron fixtures, pipes, conduits, drains, sleeve, bolts, holdfasts of doors and windows and other inserts of services and all other trades of works etc. which are required to be built in walls, shall be embedded in cement mortar 1:3 (1 cement: 3 sand or in cement concrete 1:3:6 (1 cement: 3 sand :6 coarse aggregate) as per requirement to suit site conditions in their correct position as the work proceeds.

1.4.7 BRICK COPING AND CUT CORNERS:

The top courses of all plinth, parapet, steps and top wall below RCC shall be laid with brick on edge, unless specified otherwise care shall be taken than the bricks forming the top courses and ends of walls are properly radiated and keyed in to position.

1.4.8 PROTECTION AND CURING:

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Green work shall be protected from rain by suitable covering. The work shall also be suitably protected from damage, mortar dropping. Brick work as it progresses shall be kept thoroughly well-watered on all faces for at least 10 days after completion. Proper watering cans with nozzles must be used for this purpose. The top of brickwork shall be left flooded at the close of the day by forming fillet of mortar 40 mm high round the edges of top courses and filled with water.

1.4.9 SCAFFOLDING:

Double scaffolding sufficiently safe and strong so as to withstand all loads likely to come upon it and having two sets of vertical supports shall be provided. Where two sets of supports are not possible the inner end of the horizontal scaffolding pole shall rest in hole provided in the header course only. only one header for each pole shall be left out. Such holes however shall be filled up immediately after removal of scaffolding properly.

PLAIN AND REINFORCED CEMENT CONCRETE**1.0 SCOPE**

This specification establishes the materials, mixing, placing, curing etc. of all types of cast in situ and precast concrete used in foundations, underground and over ground structures floors etc. Any special requirements as shown or noted the drawings shall govern over the provisions of this specification.

1.1 Apart from this specification, construction of plain and reinforced concrete works shall be in accordance with the Indian Standard Code practice for "Plain and Reinforced Concrete" IS:456 and other relevant codes mentioned therein.

1.2 In case of conflict between the clauses mentioned in this specification and those in the Indian Standards, this specification shall govern.

2.0 GRADES OF CONCRETE

Unless otherwise specified on drawings or called for in the schedule of rates, the grades of concrete shall generally be as per Table 1.

TABLE – 1

Grade Designation	Specified Characteristic Compressive Strength of 15cm. cube at 28 days [N/mm ²]
M15	15
M20	20
M25	25
M30	30
M35	35
M40	40

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The characteristic strength is defined as the strength of material below not more than five (5) percent of the test results are expected to fall.

3.0 TYPE OF CONCRETE MIX

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3.1 The concrete shall be either nominal mix concrete or design mix concrete as defined in IS:456. Unless otherwise specified or given in schedule of rates, all lean and structural concrete shall be nominal mix and design mix types respectively.

Note: The proportions of the fine to coarse aggregates should be adjusted from upper limit to lower limit progressively as the grading of the fine aggregates becomes finer and the maximum size of coarse aggregate becomes larger. Graded coarse aggregates shall be used.

3.2 Design Mix Concrete

The mix shall be designed to produce the grade of concrete having the required workability and characteristic strength not less than appropriate values given in Table - 1.

4.0 PROPORTIONING

Proportioning, as used in this specification, shall mean the process of determining the proportions of the various ingredients to be used to produce concrete of the required strength, workability, durability and other properties.

The Engineer-in-Charge shall verify the strength of the concrete mix, before giving his sanction of its use. However, this does not absolve the Contractor of his responsibility as regards achieving the prescribed strength of the mix. If during the execution of the work, cube tests show lower strengths than required, the Engineer-in-Charge shall order fresh trial mixes to be made by the Contractor. No claim to alter the rates of concrete work shall be entertained due to such changes in mix variations. Any variation in cement consumption shall be taken into consideration for material reconciliation. Preliminary mix designs shall be established well ahead of start of work.

4.1 Maximum Density

Suitable proportions of sand and the different sizes of coarse aggregates for each grade of concrete shall be selected to give as nearly as practicable the maximum density. This shall be determined by mathematical means, laboratory tests, field trials and suitable changes in aggregate gradation.

4.2 Water Cement Ratio

Once a mix, including its water cement ratio, has been determined and specified for use by the Engineer in Charge, that water cement ratio shall be maintained. The Contractor shall determine the water content of the aggregates frequently as the work progresses, and the amount of mixing water shall be adjusted so as to maintain the specified water cement ratio.

4.3 Consistency

The concrete shall have a consistency such that it shall be workable in the required position and when properly vibrated it flows around reinforcing steel, all embedded fixtures etc.

4.4 Workability

4.4.1 The concrete mix proportion so should be such that the concrete is of adequate workability for the placing condition and can be properly compacted with the means available.

4.4.2 The suggested ranges of values of workability of concrete measured in accordance with IS:1199.

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In proportioning concrete, the quantity of both cement and aggregate should be determined by weight. Where the weight of cement is determined on the basis of weight of cement per bag, a reasonable number of bags should be weighed periodically to check the net weight. Where the cement is weighed on the site and not in bags it should be weighed separately from the aggregates. Water should be either measured by volume in calibrated tanks or weighed. Any solid admixtures that may be added, may be measured by weight; liquid and paste admixtures by volume or weight. Batching plant, where used, shall conform to IS:4925. All measuring equipment shall be maintained in a clean serviceable condition, and their accuracy periodically checked.

5.1 Except where it can be shown to the satisfaction of the Engineer in Charge that supply of properly graded aggregate of uniform quality can be maintained over the period of work, the grading of aggregate should be controlled by obtaining the coarse aggregate in different sizes and blending them in the right proportions when required, different sizes being stacked in separate stock piles. The grading of coarse and fine aggregate shall be checked frequently, the frequency for a given job being determined by the Engineer in Charge to ensure that the specified grading is maintained.

5.2 Under special circumstances, change from weight batching to volume batching may be permitted by Engineer in Charge on specific request from the Contractor.

5.3 The amount of the added water shall be adjusted to compensate for any observed variations in the moisture contents in both fine and coarse aggregates. For the determination of moisture content in the aggregates, IS:2386 (part-III) may be referred to. To allow for the variation in weight of aggregates due to variation in their moisture content, suitable adjustments in the weights of aggregate shall also be made. In the absence of exact data, only in the case of nominal mixes, the amount of surface water may be estimated from the values given in Table-2 below: -

TABLE-2
SURFACE WATER CARRIED BY AGGREGATE

Aggregate	Approximate quantity of surface water	
	Percentage by Weight	Liter/M ³
Very Wet Sand	7.5	120
Moderately Wet Sand	5.0	80
Moist Sand	2.5	40
Moist Gravel or Crushed Rock	1.25 - 2.5	20 – 40

5.4 No substitutions in materials used on the work or alterations in the established proportions, except as permitted in 5.3 shall be made without additional tests to show that the quality and strength of concrete are satisfactory.

6.0 CONCRETE MIXING

6.1 The mixing of concrete shall be strictly carried out in an approved type of mechanical concrete mixer. The mixing shall be continued until there is a uniform distribution of the material and the mass is uniform in colour and consistency. If there is segregation, after unloading from the mixer, the concrete shall be remixed.

6.2 Mixer

6.2.1 Good running condition Mini Batching Machine of standard make like Universal or equivalent of suitable Batch capacity 450 Liters -750 Liters, having inbuilt atomized Digital Water feeding system with inbuilt Load cell based Digital Weighing System for the bins should be used. The plant shall comply with IS:1791 and shall be maintained in satisfactory operating condition. Mixer drum shall be kept free of hardened concrete and blades shall be replaced when worn down more than ten percent (10%) of their depth. Should any mixer at any time produce unsatisfactory results, leak mortar or cause waste of materials, its use shall be promptly discontinued until it is repaired/replaced.

6.2.2 Mixing Time

Mixing time shall be as indicated in the following table. Excessive mixing requiring additions of water shall not be permitted. Time shall start when all solid materials are poured in the revolving mixer drum, provided that all of the mixing water shall be introduced before one fourth of the mixing time has elapsed. The Engineer-in-Charge may, however, direct a change in the mixing time, if he considers such a change necessary.

Capacity of Mixer	Minimum Mixing Time
2 Cu.m or less	1-1/2 Minutes.
3 Cu.m	2-1/2 Minutes.
5 Cu.m	3 Minutes.

All records and charts for the batching and mixing operations shall be prepared as specified and as per the instructions of the Engineer in Charge.

6.3 Hand Mixing

Normally, hand mixing of concrete shall not be permitted. However, this may be allowed by the Engineer in Charge in special cases (such as far away isolated places). Ten percent (10%) extra cement shall have to be added to the normal mix when mixed by hand. It shall be carried out on a water tight platform and care shall be taken to ensure that mixing is continued until the mass is uniform in colour and consistency. No extra payment shall be made to the Contractor for mixing by hand or for using extra cement due to hand mixing. However, extra cement consumed shall be considered for reconciliation purpose.

6.4 Admixtures

Admixtures shall be used in concrete only with the approval of the Engineer in Charge.

7.0 TRANSPORTATION, PLACING AND COMPACTION

7.1 General

Before any concrete is placed the entire placing programmed and transporting arrangement showing deployment of equipment, layout, proposed procedures and methods shall be submitted in writing to the Engineer in Charge 24 hrs. prior to concreting for approval. No concrete shall be placed until his approval has been received. The Engineer's-in-Charge approval for pouring concrete shall be taken as conveyed when concrete pour card is signed.

7.1.1 Chuting

The use of long troughs, chutes and pipes for conveying the concrete from the mixer to the forms shall be permitted only on written authorization from the Engineer-in-Charge. In case an inferior quality of concrete is produced by the use of such conveyors, the Engineer-in-Charge may order discontinuance of their use and the substitution of a satisfactory method of place segregations. Chutes shall be designed so that the concrete is to some extent remixed at the lower end by passing down through a funnel shaped pipe or drop chute. Alternatively, they should discharge into a storage hopper from which the concrete should be transported to the point of placing by wheel barrows or other means. Where drop chutes are used, a sufficient number must be provided so that the concrete discharged from the chute is not required to flow laterally more than 1.0M. Where a drop chute is swung from the vertical, the bottom two sections must be maintained in a vertical position to avoid segregation. The addition of water at any point in the system of transportation, to facilitate the movement of concrete shall not be permitted. All chutes, troughs and pipes, shall be kept clean and free from coatings of hardened concrete by thoroughly flushing them with water after each run; water used for flushing shall be discharged clear of the structure. Concrete shall not be permitted to fall freely from a height of more than 1.5M nor to strike the forms at an angle.

7.1.2 Vibrators

Concrete shall be compacted with mechanical vibrating equipment supplemented, if necessary to obtain consolidation by hand spading, ridding and tamping. The vibrators shall be immersion type with operational frequency ranging between 8000 to 12,000 vibrations per minute. Vibrators shall be used in sufficient number of units and power to properly consolidate all concrete.

Immersion type vibrators shall be inserted in a vertical position at intervals of about 600mm, depending upon the mix, the equipment used, and continued experience on work. The vibrators shall be withdrawn slowly. The spacing shall provide some overlapping of the area vibrated at each insertion. In no case shall vibrators be used to transport concrete inside the forms.

Over vibration shall not be permitted. Hand tamping in some cases may be allowed subject to be approval of the Engineer-in-Charge.

In placing concrete in layers which are advancing horizontally as the work progresses, great care shall be exercised to ensure adequate vibration, bonding and molding of the concrete between the succeeding batches.

The vibrators shall penetrate the layer being placed and also penetrate the layer below while the under layer is still plastic to ensure good bond and homogeneity between the two layers and prevent the formation of cold joints.

Care shall be taken to prevent contact of vibrators against reinforcement steel. Vibrators shall not be allowed to come in contact with forms.

The use of form work vibrators shall not be permitted for compaction of in-situ concrete without specific authorization of the Engineer-in-Charge.

The use of surface vibrators of screed board type shall not be permitted for consolidation of concrete under ordinary conditions. However, for thin slabs (of thickness less than 200mm) surface vibration by such vibrators may be permitted, upon approval of the Engineer-in-Charge.

7.2 Transportation

All concrete shall be conveyed from the mixer to the place of final deposit as rapidly as possible in suitable buckets, dumpers, containers or conveyors which shall be mortar leak tight. Care shall be taken to prevent the segregation or loss of the ingredients and maintaining the required work ability. During hot or cold weather shall be transported in deep containers. Other suitable methods to reduce the loss of water by evaporation in hot weather and heat loss in cold weather may also be adopted. All equipment used for transporting and placing of concrete shall be maintained in clean condition. All buckets, hoppers, chutes, dumpers and other equipment shall be thoroughly cleaned after each period of placement.

7.3 Placing and compaction

- 7.3.1 Before placing concrete all soil surface upon which or against which concrete is to be placed shall be well compacted and free from standing water, mud or debris. Soft or yielding soil shall be removed and replaced, with lean concrete or with selected soils and compacted to the density as directed by Engineer-in-Charge. The surface of absorption soil (against which concrete is to be placed) shall be moistened thoroughly so that moisture is not drawn from the freshly placed concrete.

Concrete shall not be placed until the formwork, the placement of reinforcing steel, embedded parts etc. have been inspected and approved by the Engineer-in-Charge. Any accumulated water on the surface of the bedding layer shall be removed by suitable means before start of placement. No concrete shall be placed on water covered surface.

- 7.3.2 Concrete shall be discharged by vertical drop only and the drop height shall be not exceeded 1.5M thorough out all stages of delivery until the concrete comes to rest in forms.

- 7.3.3 Concrete shall be deposited as near as practicable in its final position to avoid remanding. Concrete shall be placed in successive horizontal layers. The bucket loads, or other units of deposit, shall be spotted progressively along the face of the layer with such over-lap as will facilitate spreading the layer of uniform depth and texture with a minimum of hand shoveling. Any tendency to segregation shall be corrected by shoveling stones into mortar rather than mortar on the stones. Such a tendency for segregation shall be corrected by redesign of mix, change in process or other means, as directed by the Engineer-in-Charge.

All struts, stays and braces (serving temporarily to hold the forms in correct shape and alignment pending the placing of concrete at their locations) shall be removed when the concrete placing has reached an elevation rendering their service unnecessary. These shall not be buried in the concrete. Concrete shall be thoroughly compacted with vibrators and fully worked around the reinforcement, embedded fixtures and into corners of formwork before setting commences. In no case this shall be subsequently disturbed. Methods of placing shall be such as to preclude segregation. The formation of stone pockets or mortar bondage in corners and against face forms shall not be permitted. Should these occur, they shall be dug out, performed and refilled to sufficient depth and shape for thorough bonding as directed by the Engineer-in-Charge. Care shall be taken to avoid displacement of reinforcement or movement of formwork.

- 7.3.4 Unless otherwise approved, concrete shall be placed in single operation to the full thickness of slabs, beams and similar members. Concrete shall be placed continuously until completion of the part of the work between construction joints or as directed by the Engineer-in- Charge.

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7.3.5 The method of placing and compaction employed in any particular section of the work shall be to the entire satisfaction of the Engineer-in-Charge.

7.3.6 During hot weather (atmospheric temperature above 40oC) or cold weather (atmospheric temperature below 5oC), the concreting shall be done as per the procedure set out in IS:7861.

7.3.7 Concrete that has been left standing and become stiffened shall not be deposited in the work.

7.4 Items Embedded in Concrete

7.4.1 Concreting shall not be started unless the electrical conduits, pipes, fixtures etc., wherever required, are laid by the concerned agency. The Contractor shall afford all the facilities and maintain co-ordination of work with other agencies engaged in electrical and such other work as directed by the Engineer-in-Charge.

7.4.2 Before concreting, the Contractor shall provide, fabricate and lay in proper position all metal inserts, anchor bolts, pipes etc. (which are required to be embedded in concrete members) as per relevant drawings and directions of Engineer in Charge.

8.0 CONTRUCTION JOINTS

8.1 Construction joints shall be provided in position as shown or described on the drawings or as directed by the Engineer-in-Charge. Such joints shall be kept to the minimum. These shall be straight and at right angles to the direction of main reinforcement.

8.2 In a column, the joint shall be formed about 100mm to 150mm below the lowest soffit of the beams framing into it. Concrete in a beam and slab shall be placed throughout without a joint but if the provision of a joint is unavoidable, the join shall be vertical and located within 1/3 to 1/4 of the span.

8.3 When stopping the concrete on a vertical plane in slabs and beams, an approved stop board shall be placed with necessary slots for reinforcement bars. The construction joints shall be keyed by providing a triangular or trapezoidal fillet nailed on the stop board. Inclined joints shall not be permitted. Any concrete flowing through the joints of stop board shall be removed soon after the initial set. When concrete is stopped on a horizontal plane, the surface shall be roughened and cleaned after the initial set.

8.4 When the work has to be resumed on a surface which has hardened, such surface shall be roughened to expose the tips of the coarse aggregate. It shall then be swept clean and thoroughly wetted. For vertical joints neat cement slurry shall be applied on the surface before it is dry. For horizontal joints the surface shall be covered with a layer of mortar about 10 to 15mm thick composed of cement and sand in the same ratio as the cement and sand in concrete mix. This layer of cement slurry or mortar shall be freshly mixed and applied immediately before placing the concrete.

8.5 Where the concrete has not fully hardened, all laitance shall be removed by scrubbing the wet surface with wire or bristle brushes, care being taken to avoid dislodgement of particles of aggregate. The surface shall be thoroughly wetted and all free water removed. The surface shall then be coated with neat cement slurry. On this surface, a layer of concrete not exceeding 150mm in thickness shall first be placed and shall be well rammed against old work, particular attention being paid to corners and close spots; work thereafter shall proceed in normal way.

9.0 SEPARATION JOINT

Separation joint shall be obtained by using an approved alkathene sheet struck on the surface against which concrete shall be placed. Adequate care should be taken to cause to no damage to the sheet.

10.0 EXPANSION JOINTS

Expansion joints in structures shall be formed in the positions and to the shapes shown in the relevant drawings. Joints shall be filled with joint filling material as stipulated in the drawings/schedule of rates.

11.0 WATER STOPS

The water stops shall be of G.I./PVC/Rubber as specified in the relevant drawings. G.I. water stops shall be fabricated from "22" gauge sheets of specified width and bent, folded to shape, soldered and fixed as per the drawings. The G.I. sheets shall have medium coating of zinc as per IS:277. The PVC and rubber water stops shall be of ribbed/serrated type with central bulb and of minimum thickness 6 mm. Water stops shall be accurately cut, fitted and integrally joined as per manufacturer's specifications to provide a continuous, watertight diaphragm at all points. The water stops shall be located and embedded at expansion/construction joints as indicated in the drawings. Adequate provision shall be made for the support and protection of water stops during the progress of the work. Damaged water stops shall be replaced and / or repaired as directed.

12.0 PROTECTION OF FRESHLY LAID CONCRETE

Newly placed concrete shall be protected by approved means from rain, sun and wind. Concrete placed below the ground level shall be protected from falling earth during and after placing. Surface shall be kept free from contact with such ground or with water draining from such ground during placing of concrete for a period of at least 3 days unless otherwise directed by the Engineer in Charge. The ground water around newly poured concrete shall be kept to an approved level by pumping of other approved means of drainage and adequate steps shall be taken to prevent floatation and flooding. Steps shall be taken to protect immature concrete from damage by debris, Loading, vibration, abrasion, mixing with deleterious materials that may in the opinion of the Engineer in Charge impair the strength and / or durability of the concrete.

13.0 CURING

Curing of concrete shall be in accordance with IS:456. Concrete shall be cured by keeping it continuously moist wet for the specified prior of time to ensure complete hydration and hardening. Curing shall be started after 8 hours of placement of concrete and hot weather after 4 hours.

Curing shall be assured by use of an ample water supply under pressure in pipes, with all necessary appliances such as hose, sprinklers etc. A layer of sacking, canvass, hessian, or other approved material which will hold moisture for long periods and prevent loss of moisture from the concrete shall be used as covering. Type of covering which would stain, disfigure, or damage the concrete during and after the curing period shall not be used. Only approved covering shall be used for curing. Exposed surfaces of concrete shall be maintained continuously in a damp or wet condition for at least for at least the first 7 days after placing except that high early strength concrete shall be so maintained for at least the first 3 days. For other types of concrete using low heat or supersulphated or high alumina cement etc., curing period shall be as directed by the Engineer in Charge. The Contractor shall have all equipment and materials required for curing on hand and ready to use before concrete is placed. For curing the concrete in pavements, floors, flat roofs or other level surfaces the pending method of curing is preferred after the expiry of first 24 hours during

which (i.e. first 24 hours) the concrete shall be cured by use of wet sacking, canvass, Hessian etc. The minimum water depth of 25 mm for pending shall be maintained. The method of containing the pounded water shall be approved by the Engineer-in-Charge. The pounded areas shall be kept continuously filled with water and leaks, if any, shall be promptly repaired. Approved curing compounds may be used in lieu of moist curing with the permission of Engineer-in-Charge. Such compounds shall be applied to shall exposed surfaces of the concrete as soon as possible after the concrete has set.

14.0 DAMP PROOF COURSE (DPC)

The 40 mm thick Damp proof course shall consist of plain cement concrete of nominal mix 1:1-1/2:3 by volume (1 Cement: 1-1/2 Coarse Sand: 3 Crushed Stone Aggregates) with 10 mm and sown size graded aggregate, unless otherwise specified.

The Damp proof Course shall be laid at plinth level of brick walls, flush with the floor surface and shall not be carried across doorways. Before laying, the top surface of wall shall be thoroughly cleaned and watered. The D.P.C. shall be laid in layers of 20 mm thickness retaining the edges by necessary formwork and shall be well tamped and trowel led to smooth finish.

The layer shall be cured by keeping the surface wet for 40 hours and after it has dried, two coats of hot bitumen of grade A90/S90 conforming to IS:73 shall be applied over it at the rate of 1.7Kg/M². Over this, the second layer of 20 mm thick concrete shall be laid and cured as described in case of the first layer and two coats of hot bitumen at the rate of 1.7 Kg / M² shall be applied again in a similar manner. Over this, dry sharp sand shall be sprinkled evenly.

15.0 FIELD TESTS

15.1 Grading Test

Gradation test on coarse and fine aggregates shall be carried out as per IS:2386 at intervals specified by Engineer-in-Charge.

15.2 Vee-Bee Test/Slump Test of Concrete

At least one Vee-Bee Test/Slump Test shall be made for every compressive strength test carried out. More frequent tests shall be made if there is a distinct change in working conditions or if required by the Engineer-in-Charge.

15.3 Strength Test of Concrete

15.3.1 Samples from fresh concrete shall be taken as per IS:1199 and cubes shall be made, cured and tested at 28 days in accordance with IS:516.

In order to get a relatively quicker idea of the quality of concrete, optional tests on beams for modulus of rupture at 72“+2 hours or at 7 days, or compressive strength tests at 7 days may be carried out in addition to 28 days compressive strength tests. For this purpose, the values given in Table - 4 may be taken for general guidance in the case of concrete made with ordinary Portland cement. In all cases, the 28 days compressive strength specified in Table -I shall be the criterion for acceptance or rejection of the concrete. If, however, from tests carried out in a particular work over a reasonably long period, it has been established to the satisfaction of Engineer-in-Charge that a suitable ratio between 28 days compressive strength and the modulus of rupture at 72 +2 hours or compressive strength at 7days may be accepted, the

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Engineer-in-Charge may suitable relax the frequency of 28 days compressive strength specified in Cl.16.3.4 provided the expected strength values at the specified early age are consistently met.

15.3.2 Procedure: A random sampling procedure shall be adopted to ensure that each concrete batch shall have a reasonable chance of being tested, that is the sampling should be spread over the entire period of concreting and cover all mixing units.

15.3.3 Frequency_ of_ sampling: The minimum frequency of sampling of concrete for each grade shall be in accordance with the following:

Quantity of concrete in Number of samples the work

1 - 5	1
6 - 15	2
16 - 30	3
31 - 50	4
51 and above	4 Plus one additional sample for each additional 50 M3 or part thereof.

NOTE: At least one sample shall be taken frame each shift.

15.3.4 Test Specimen: Three test specimens shall be made from each sample for testing at 28 days. Additional cubes may be required for various purpose such as to determine the strength of concrete at 7 days or at the time of sticking the formwork, or to determine the duration of curing, or to check the testing error. Additional cubes may also be required for testing cubes by accelerated methods as described in IS: 9013. The specimen shall be tested as described in IS: 516.

15.3.5 Test Strength of Sample: The test strength of the sample shall be the average of the strength of three specimens. The individual variation should not be more than + 15 percent of the average.

15.3.6 Standard Deviation

i) Standard deviation based on test results:

a) Number of test results: The total number of test results required to constitute an acceptable record for calculation of standard deviation shall be not less than 30. Attempts should be made to obtain the 30 test results, as early as possible, when a mix is used for the first time.

b) Standard deviation to be brought up to date: The calculation of the standard deviation shall be brought up to date after every change of mix design and least once a month.

ii) Determination of Standard Deviation:

a) Concrete of each grade shall be analyzed separately to determine its standard deviation.

b) The standard deviation of concrete of a given grade shall be calculated using the following formula from the results of individual tests of concrete of that grade obtained as specified in 15.3.5.

Estimated standard deviation(s)

Where, S = deviation of the individual test strength from the average strength of n samples

n = number of sample test results.

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c) When significant changes are made in the production of concrete batches (for example changes in the materials used, mix design, equipment of technical control), the standard deviation value shall be separately for such batches of concrete.

iii) Assumed Standard Deviation:

Where sufficient test results for a particular grade of concrete are not available, the value of standard deviation given in Table - 3 may be assumed.

TABLE – 3
ASSUMED STANDARD DEVIATION

Grade of concrete	Assumed standard deviation (N/mm ²)
M 15	3.5
M 20	4.6
M 25	5.3
M 30	6.0
M 35	6.3
M 40	6.6

However, when adequate past records for a similar grade exist and justify to the designer a value of standard deviation different from that shown in Table - 5, it shall be permissible to use that value.

15.3.7 Acceptance Criteria

15.3.7.1 The concrete shall be deemed to comply with the strength requirements if:

- a) every sample has a test strength not less than the characteristic value; or
- b) the strength of one or more samples though less than the characteristic value, is in each case not less than the greater of:

- (i) the characteristic strength minus 1.35 times the standard deviation; and
- (ii) 0.80 times the characteristic strength and average strength of all the samples are not less than the characteristic strength plus 1.65 times the standard deviation.

15.3.7.2 The concrete shall be deemed not to comply with the strength requirements if:

- (a) The strength of any sample is less than the greater of:
 - i) the characteristic strength minus 1.35 times the Standard deviation; and
 - ii) 0.80 times the characteristic strength; or
- b) The average strength of all the samples is less than the characteristic strength plus (3x1.65 times the standard deviation)

15.3.7.3 Concrete which does not meet the strength requirements as specified in 15.3.7.1 but has a strength greater than that required by 15.3.7.2 may, at the discretion of the Engineer-in-charge be accepted as being structurally adequate without further testing.

15.3.7.4 If the concrete is deemed not to comply pursuant to the structural adequacy of the parts affected shall be investigated as stipulated in Clause 16.0.

15.3.7.5 Concrete of each grade shall be assessed separately.

15.3.7.6 Concrete shall be assessed daily for compliance.

15.3.7.7 Concrete is liable to be rejected if it is porous or honey-combed; its placing has been interrupted without providing a proper construction joint; the reinforcement has been displaced beyond the tolerances specified; or construction tolerances have not been met. However, the hardened concrete may be accepted after carrying out suitable remedial measures to the satisfaction of the Engineer-in-Charge.

16.0 INSPECTION OF STRUCTURES

Immediately after stripping the formwork, all concrete shall be carefully inspected and any defective work of small defects either removed or made good before concrete has thoroughly hardened.

16.1 Testing of structures or parts of structures

16.1.1 In case the results of work test cubes do not comply with the specified strength requirements of there is reasonable doubt regarding the strength of concrete used either due to poor workmanship or materials, the Engineer-in-Charge may instruct the Contractor to perform additional tests based on EIL Guideline 8-68-4008 (Quality Assessment Test of Hardened Concrete) and/or load test (as per the method and manner specified in Clause 16.2.2) to ascertain the quality of concrete. These tests shall also be required to be carried out in the event the Engineer-in-Charge is doubtful regarding the adequacy of strength of the structure sue to suspected overloading during construction, premature removal and non-conformance to specification of formwork, improper curing or any other reason. The number and type of tests to be carried out shall be determined by the Engineer-in-Charge whose decision shall be final and binding on the Contractor.

16.1.2 Load Test

Load test shall be carried out as soon as possible after expiry of 28 days from the time of placing of concrete. The structure shall be subjected to a load equal to full dead load of the structure plus 1.25 times the imposed load for a period of 24 hours and then the imposed load shall be removed. The deflection due to imposed load only shall be recorded. If within 24 hours of removal of the imposed load the structure does not recover at least 75 percent of the deflection under superimposed load, the test shall be repeated after a lapse of 72 hours. If the recovery is less than 80 percent, the structure shall be deemed to be unacceptable. If the maximum deflection in mm, shown during 24 hours underload is less than $40 L^2/D$, where L is the effective span in meters and D the overall depth of the section in mm, it is not necessary for the recovery to be measured and the recovery provision as given above shall not apply.

17.0 FINISHING OF CONCRETE

17.1 On striking the formwork, all surface defects such as bulges, ridges and honey-combing etc. observed shall be brought to the notice of the Engineer-in-Charge. The Engineer-in-Charge may, at his discretion allow rectification by necessary chipping and packing or grouting with concrete or cement mortar. However, if honey-combing or sagging are of such extent as being undesirable, the Engineer-in-Charge may reject the work totally and his decision shall be binding. No extra payment shall be made for rectifying these defects, demolishing and reconstructing the structure. All burrs and uneven faces shall be rubbed smooth with the help of carborundum stone.

The surface of non-shuttered faces shall be smoothened with a wooden float to give a finish similar to that of the rubbed down shuttered faces. Concealed concrete faces shall be left as from

the formwork except that honey-combed surface shall be made good as specified above. The top faces of slabs not intended to be covered shall be levelled and floated to a smooth finish to the levels or falls shown on the drawings or as directed. The floating shall not be executed to the extent of bringing excess fine materials to the surface. The top faces of slabs intended to be covered with screed, granolithic or similar finishes, shall be left with a rough finish.

17.2 Repair and Replacement of Unsatisfactory Concrete

Repairs shall be made as soon as possible after the forms are removed and before the concrete becomes too hard. Stone pockets, segregation patches and damaged areas shall be chipped out and the edges undercut slightly to form a key. All loose material shall be washed out before patching. No excess water shall be left in the cavity, but the concrete shall be damp while remaining some of its natural suction.

A good bond between the patch and parent concrete shall be obtained by sprinkling dry cement on the wet surface or by throwing mortar with force on to the wetted concrete, or by brush in a coat of thick cement grout of about 1:1 (1 Cement: 1 Sand) just before applying the patching material. Before this has dried, the remainder of the patch shall be filled with mortar or concrete, depending on the extent of the repair.

Cement concrete/mortar used in repair of exposed surface shall be made with cement from the same source as that used in concrete and blended with sufficient amount of white Portland cement to produce the same colour as in the adjoining concrete. The proportions of ingredients shall be same as those used in parent concrete. The mortar shall be as dry as possible and well compacted into the cavity. All filling shall be tightly bonded to the concrete and shall be sound, free from shrinkage cracks after the filling has been cured and dried.

For larger repairs to hardened concrete, necessary formwork bearing tightly at the edges of the cavity shall be provided. Concrete shall be chipped out to a depth of at least 100 mm and preferably 150 mm. Mortar shall be scrubbed into all surfaces with a wire brush before placing the concrete. Damaged reinforcement

shall be adequately spliced with new steel so as to maintain the original strength. Additional reinforcement, if required in the patch, shall be provided as per the instructions of Engineer-in-Charge.

17.3 Curing of Patched Work

Immediately after patching is completed, the patched area shall be covered with an approved non-staining water saturated material which shall be kept wet and protected against sun and wind for a period of 12 hours. Thereafter, the patched area shall be kept continuously wet by a fine spray or sprinkling for not less than 10 days.

17.4 The use of an epoxy, for bonding fresh concrete used for repairs shall be permitted at the discretion of the Engineer-in-Charge. Epoxy shall be applied in strict accordance with the instructions of the manufacturer.

18.0 CEMENT WASH

If instructed by the Engineer-in-Charge, the Contractor shall provide one coat of cement wash over the concrete surfaces of foundation, pipe racks, column, walls etc. which are not plastered. Cement used by the Contractor for providing the cement wash shall be taken into account for material reconciliation purposes.

19.0 FORM WORK

19.1 Forms for concrete shall be of plywood or steel or as directed by the Engineer-in-Charge and shall give smooth and even surface after removal thereof.

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If it is desired by the Engineer-in-Charge, the Contractor shall prepare, before commencement of actual work, design and drawings for formwork and get them approved by the Engineer-in-Charge. The form work shall conform to the shapes, lines and dimensions as shown on the drawings within the tolerances given below:

- a) Deviation from specified dimensions of cross section of columns and beams.
 - 6 mm
 - +12 mm
- b) Deviation from dimensions of footings (see note).
 - (i) Dimensions in plan
 - 12 mm
 - + 50 mm
 - (ii) Eccentricity 0.02 times the width of the footing in the direction of deviation but not more than 50 mm.
 - (iii) Thickness +0.05 times the specified thickness.

NOTE: Tolerances apply to concrete dimensions only, not to positioning of vertical reinforcing steel or dowels.

19.2 Form Requirement

The formwork shall be true, rigid and adequately braced both horizontally as well as diagonally. The forms shall have smooth and even surface and be sufficiently strong to carry without deformation the dead weight of the green concrete, working load, wind load and also the side pressure exerted by the green concrete. As far as practicable, clamps shall be used to hold the forms together. Where use of nails is unavoidable minimum number of nails shall be used and these shall be left projecting so that they can be easily withdrawn.

Where the rods are used to hold the forms, provision shall be made for removal of a part of each rod at the surface of concrete for a depth of approximately 50mm. The cavities so caused shall be filled and finished with cement mortar in the manner specified in clause 17.

Tie wires shall be permitted only upon approval of the Engineer-in-Charge and shall be cut off flush with the face of the concrete or counter sunk, filled and finished in the manner specified in clause 17. From joints shall not permit any leakage. The formwork shall be strong enough to withstand the effect of vibrations practically without any deflection, bulging, distortion or loosening of its components. Forms for beams and slabs (span more than 6.0 m) shall have camber of 1 in 500 so as to offset the deflection and assume correct shape and line after disposition of concrete. For cantilevers, the camber at free end shall be 1/100th of the projected length. Where architectural considerations and adjunctive work are critical, smaller form cambers shall be adopted as decided by the Engineer-in-Charge.

All vertical wall forms may be designed and constructed for the following minimum pressure. The pressure listed in Table - 6 are intended as guide only and the Contractor shall ensure that the formwork is adequately strong and sturdy.

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TABLE – 4

Rate of pour in Meter/hour	Pressure Kg/Sq.M	
	100”	240C
0.6	3600	2900
0.9	4000	3200
1.2	4400	3500
1.5	4600	3700

19.3 Inspection of Forms

Temporary openings shall be provided at the base of column and wall forms and other places necessary to facilitate cleaning and inspection. Before concrete is placed, all forms shall be carefully inspected to ensure that they are properly placed, sufficiently rigid and tight, thoroughly cleaned, properly treated and free from foreign material. The complete form work shall be inspected and approved by the Engineer-in-Charge before the reinforcement bars are placed in position. When forms appear to be unsatisfactory in any way, either before or during the placing of concrete as per the instructions of the Engineer-in-Charge.

19.4 Treatment of forms

The surfaces of forms that would come in contact with concrete shall be treated with approved non-staining release agents such as soft soap, oil, emulsions etc. Care shall be taken that such release agents are kept out contact with the reinforcement.

19.5 Chamfers and fillets

All corner and angles shall be formed with 450” moldings to form chamfers or fillets on the finished concrete. The standard dimensions of chamfers and fillets, unless otherwise detailed or specified shall be 25 x 25 mm. For heavier work chamfers or fillets shall be 50 x 50 mm. Care shall be exercised to ensure accurate mouldings. The diagonal face of the moulding shall be planed or surfaced to the same texture as the forms to which it is attached.

19.6 Reuse of forms

Before reuse, all forms shall be thoroughly scrapped, cleaned, examined and when necessary repaired and retreated before resetting. Formwork shall not be reused, if declared unfit or unserviceable by the Engineer-in-Charge.

19.7 Removal of Forms/Stripping Time

In the determination of time for removal of forms, consideration shall be given to the location and character of the structures, the weather and other conditions including the setting and curing of the concrete and material used in the mix.

Forms and their supports shall not be removed without the approval of the Engineer-in-Charge. Methods of form removal likely to cause overstressing or damage to the concrete, shall not be adopted. Supports shall be removed in such a manner as to permit the concrete to uniformly and gradually take the stresses due to its own weight.

In normal circumstances and where ordinary Portland cement is used, forms may generally be removed after expiry of following periods.

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- | | |
|---|---|
| (a) Walls, columns and vertical faces of all structural members | 24 to 48 hrs as may be decided by the Engineer-in-Charge. |
| (b) Slabs (props left under) | 3 days. |
| (c) Beam soffits (props left under) | 7 days. |
| (d) Removal of props under slabs: | |
| (i) Spanning up to 4.5 M | 7 days. |
| (ii) Spanning over 4.5 M | 14 days. |
| (e) Removal of props under beams and arches: | |
| (i) Spanning upto 6 M | 14 days. |
| (ii) Spanning over 6 M and upto 9 M | 21 days. |
| (iii) Spanning over 9 M | 28 days. |
| (f) Cantilever Construction | Formwork shall remain till structures for counter acting or bearing down have been erected and have attained sufficient strength (minimum 14 days). |

Notes:

1. For rapid hardening cement, 3/7 days of the above-mentioned period shall be considered subject to a minimum of 24 hours.
2. For other cement, the stripping time recommended for ordinary Portland cement shall be suitably modified as per the instructions of the Engineer-in-Charge.
3. The number of props left under, their sizes and disposition shall be such as to be safely carry the full dead load of the slab, beam or arch as the case may be together with any live load likely to occur during curing or further construction.
4. Where the shape of the element is such that the formwork has re-entrant angles, the form work shall remove as soon as possible after the concrete has set, to avoid shrinkage cracking occurring due to the restraint imposed.

19.8 Staging/Scaffolding

Staging/scaffolding shall be properly planned and designed by the Contractor. The Contractor shall get it reviewed by Engineer-in-Charge before commencement of work. Double scaffolding sufficiently strong so as to withstand all loads likely to come upon it and having two sets of vertical supports, shall be provided. Where two sets of supports are not possible, the inner end of the horizontal scaffolding member shall rest in a hole provided in the header course only. Only one header for each member shall be left out. Such holes however shall not be allowed in pillars under one meter in which or immediately near the skew backs of arches. Such holes shall be filled up immediately after removal of scaffolding/staging. The following measures shall be considered while designing and erecting of scaffolding/staging.

- a) Sufficient sills or under pinning in addition to base plates shall be provided particularly where scaffoldings are erected on soft grounds.
- b) Adjustable bases to compensate for uneven ground shall be used.
- c) Proper anchoring of the scaffolding/staging at reasonable intervals shall be provided in each case with the main structure wherever available.
- d) Horizontal braces shall be provided to prevent the scaffolding/staging from rocking.
- e) Diagonal braces shall be provided continuously from bottom to top between two adjacent rows of uprights.
- f) The scaffolding/staging shall be checked at every stage for plumb line.
- g) Wherever the scaffolding/staging is found to be out of plumb line it shall be dismantled and re-erected afresh and effort shall not be made to bring it in line with a physical force.
- h) All nuts and bolts shall be properly tightened.
- i) Proper and effective supervision of the erection work shall be ensured by the Contractor.
- j) Erection work of a scaffolding/staging under no circumstances shall be left totally to semi-skilled or skilled workmen and shall rather be carried out in the presence of technically qualified civil engineer of the Contractor.
- k) Wherever steel tubes are used care shall be taken that all the clamps/couplings are firmly tightened so as avoid any slippage.

20.0 REINFORCEMENT

20.1 Reinforcement shall be cut, bent to shape and dimensions as shown in the bar bending schedules/drawings. In normal course the bar bending schedule shall be supplied to the Contractor, however, in case, bar bending schedule is not provided, the Contractor shall develop the same at no extra cost to the Owner and get it reviewed by the Engineer-in-Charge. The Contractor shall check the bar bending schedule (issued by the Owner) prior to fabrication and satisfy himself about the correctness of the same.

20.2 Straightening, Cutting and Bending: Procedure for cutting and bending shall be as given in IS: 2502.

Cold twisted deformed bars shall be bent cold. Bars larger than 25 mm in size (except cold twisted deformed bars) may be bent hot at cherry red heat to a temperature not exceeding 850°C as per the instructions of the Engineer-in-Charge. The bars shall be allowed to cool gradually without quenching.

Bars shall be bent in slow and regular movement to avoid fractures. Bars which develop cracks or splits after bending shall be rejected. A second bending of reinforcement bars shall be avoided but when reinforcement bars are bent aside at construction joints and afterwards bent back into their original position, care should be taken to ensure that at no time is radius of the bend less than 4 x bar diameter for plain mild steel or 6 x bar diameter for deformed bars. Care shall be also be taken when bending back bars to ensure that concrete around the bars is not damaged. All bars shall be properly tagged for easy identification.

20.3 Placing and Fixing

All reinforcement shall be cleaned to ensure freedom from loose mill scale, loose rust, oil, grease or any other harmful material before placing then in position.

All reinforcement shall be fixed in the correct position and shall be properly supported to ensure that displacement will be not occur when the concrete is placed.

The reinforcement bars shall be tied at every intersection by two strands of 16 SWG black sqft annealed binding wire. Crossing bars shall not be tack welded for assembly of reinforcement. The reinforcement bars shall be kept in position by using the following methods.

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a) In case of beam and slab construction, precast cover blocks (having the same cement sand contents as the concrete which shall be placed) of size 40 x 40 mm and thickness equal to the specified covers shall be placed firmly in between the bars and forms so as to secure and maintain the specified covers over the reinforcement.

When reinforcement bars are placed in two or more layers in beams, the vertical distance between the horizontal bars shall be maintained by introduction spacer bars at 1 to 1.2m Centre to Centre.

b) In case of thick rafts & pile caps having two or multi layers of reinforcement, the vertical distance between the horizontal bars shall be maintained by introducing suitable chairs, spacers, etc.

c) In case of columns and walls, the vertical bars shall be kept in position by means of timber templates with slots accurately cut in them. The templates shall be removed after the concreting has been done it.

d) Exposed portions of reinforcement bars shall not be subjected to impact or rough handling and workman will not be permitted to climb on extending bars until the concrete has attained sufficient strength so that no movement of the bars in the concrete is possible.

20.4 Splicing/Overlapping

Only bars of full length shall be used as shown in the drawings. But where this cannot be done, overlapping of bars shall be done as directed by the Engineer-in-Charge.

Where practicable, the overlapping bars shall not touch each other, but these shall be kept apart by 25 mm or 1.25 times the maximum size of the coarse aggregate whichever is greater. But where this is not possible, the overlapping bars shall be tied with two strands of 16 SWG black soft annealed binding wire. The overlaps shall be staggered for different bars and located at points along the span where neither shear nor bending moment is maximum.

20.5 Welded Joints

Welding of reinforcing bars shall not be permitted without the written permission of the Engineer-in-Charge. Where welding is permitted, it shall be in accordance with the recommendations of IS: 2751 and IS: 9417. Welded joints shall be located at suitable staggered positions. Tests shall be made to prove that the joints are of the full strength of the bars.

20.6 Mechanical Connections:

The mechanical splices in reinforcement by means of couplers, clamps etc. shall be used (as per manufacturer's specifications) with the written approval of the Engineer-in-Charge. However, tests shall be made to prove that the connections are of the full strength of the bars.

20.7 Tolerances: Unless otherwise specified by the Engineer-in-Charge, reinforcement shall be placed within the following tolerances:

(a) For effective depth 200mm or less +10 mm

(b) For effective depth more than 200 mm +15 mm

The cover shall in no case be reduced by more than one third of specified cover or 5 mm whichever is less.

20.8 Substitution

When specified diameter of reinforcement bars is not available, the Contractor shall be use other diameter of reinforcement bars on written approval of the Engineer-in-Charge.

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20.9 Cover

Cover to reinforcement shall be as indicated on the drawings and in their absence as directed by the Engineer- in-Charge.

21.0 PRECAST_CONCRETE

21.1 Specifications contained in clauses above regarding concrete, formwork and reinforcement shall apply in addition to the clauses given as under. The Contractor shall be get the precasting bed approved by the Engineer- in-Charge prior to the start of work.

21.2 Necessary lifting hooks of 12 mm diameter M.S. rounds shall be provided for handling as indicated in drawings or as directed by the Engineers-in-Charge.

21.3 Unless otherwise specified, the exposed surface of precast members shall be finished smooth with 1:3 (1 Cement: 3 sand) cement mortar. Surface used as walkways shall be given a non-skid finish.

21.4 The precast concrete units shall be marked clearly on top surface with the letter "T" for identification of surfaces at the time of erection and shall be stored until required for erection. The precast units shall be handled and erected by methods approved by Engineer-in-Charge to protect them from damage.

21.5 The Contractor shall take all necessary precautions for safe handling during the course of erection. The Contractor shall replace at his own expense all such units which are damaged during the course of erection. Cement used for a damaged/rejected precast elements shall not be taken into account for material reconciliation.

22.0 PAYMENT

22.1 Plain and Reinforced Concrete

22.1.1 Payment for plain and reinforced cement concrete (cast in- situ) shall be made on cubic meter [M3] basis of the volume of the actual finished work done or as per approved construction drawings, whichever is less and shall be inclusive of providing pockets, openings, recesses of all sizes, chamfers, fillets construction joints, cement wash, curing etc. The rates shall be deemed to include complete cost of taking and testing concrete cubes and carrying out other tests as per specifications and as directed by Engineer-in-Charge.

22.1.2 The rate shall however be exclusive of reinforcement metal inserts, pipe sleeves, formwork and bars. Where the strength of concrete mix (nominal or design) as indicated by tests, lies in between the strengths of any two grades given in clause 2.0 and it is accepted by the Owner/Engineer-in-Charge, such concrete shall be classified as a grade belonging to the lower of the two grades between which it lies. In case the cube strength shows higher results than those specified for the particular grade of the concrete, it shall not be placed in the higher grade nor shall the Contractor be entitled for any extra payment on such account. The concrete giving lower strength than specified may be accepted at reduced rates after satisfying the safety of the structure by checking it with devices such as impact hammer, load test etc. or rejected entirely at the discretion of the Engineer-in-Charge. The rejected concrete shall be dismantled at no extra cost to the owner and no payment shall be made for the concrete so rejected and the formwork and reinforcement used for the same. In case the concrete of lower strength can be improved by carrying out some strengthening measures entirely at the discretion of the Engineer-in-Charge, then the said measures shall be carried out by Contractor at his own cost. If the Contractor is able to make up the strength to the required grade by such improvement measures, payment shall be made for the grade achieved. However,

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if the strength of concrete is not made up to the strength of required grade, then no payment whatsoever shall be made for any improvement measures undertaken by the Contractor and payment shall be made only for the lower strength if accepted by the Engineer-in-Charge.

22.1.3 Deductions for openings, pockets etc. shall be as specified in relevant Indian Standard Codes.

22.2 Form Work

Unless otherwise specified, payment for form work shall be on square meter [M3] basis of the actual area in contact with the concrete cast. The rates shall be inclusive of keeping the formwork for the full period as specified in the above clauses and removing the same after the period is over. No extra payment shall be made for providing scaffolding/staging.

Superior quality form work for exposed/architectural concrete work shall be measured and paid separately under the relevant item in the schedule of rates.

22.3 Reinforcement

22.3.1 Payment for plain round mild steel reinforcement bars and high yield deformed bars shall be on the basis of weight in metric tons. The weight shall be derived from the sizes and corresponding unit weights given in handbook of Bureau of Indian Standards. Standards hook lengths, chairs, spacer bars and authorized laps only shall be included in the weight calculated. Binding wire shall not be weighed nor otherwise measured. Measurements for weight shall not include cutting allowance, etc.

22.3.2 Rate quoted for reinforcement should include cost of supplying decoying, straightening, cleaning, cutting, bending, placing, binding, welding if required and providing necessary cover blocks of concrete.

22.3.3 Payment for mechanical threaded couplers shall be made on number basis (each). The rate shall include supply of complete assembly, fixing, testing etc.

22.4 Damp proof Course (D.P.C)

22.4.1 Payment shall be made on square meter basis of the area laid inclusive of form work, curing, providing and applying bitumen, supplying and spreading sand over bitumen etc.

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 EIC)

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- p)** PCC: Plain Cement Concrete
- q)** RCC: Reinforced Cement Concrete
- r)** WO: Work Order
- s)** Local Office: BRBNMPL Salboni
- t)** Engineer-in-charge: Official of BRBNMPL Salboni duly authorized by The General Manager for Execution of Project.
- u)** Architect/s: Person/s or Firm/s entrusted for the work of “Comprehensive Architectural & Engineering Consultancy Services for the Project”
- v)** Resident Engineer: Architects’ Representative deputed at Site of Work for Executing Responsibilities assigned to Architects’ Firm
- w)** Site Engineer: Contractor’s Representative for Supervision of Work
- x)** Contractor/Supplier: The Successful Bidder of this Tender.

1. General:

- a) The materials and workmanship shall satisfy the relevant Indian Standard, WBPWD/CPWD specification, most specifications and the Specifications contained herein and codes referred to. Where the Specifications stipulate requirements in addition to those contained in the standard codes and specifications, these additional requirements shall be approved by BRBNMPL Official. In case of any ambiguity, sound engineering practices shall prevail and the decision of BRBNMPL Official in such matters shall be final.
- b) Unless specifically otherwise mentioned, all the applicable codes and standards published by the Indian Standard Institution and all other standards which may be published by them before the date of receipt of tenders, shall govern in all respects of design, workmanship, quality and properties of materials and methods of testing, methods of measurements etc.
- c) Wherever any reference to any Indian Standard Specification occurs in the documents relating to this contract the same shall be inclusive of all amendments issued thereto or revisions thereof, if any, up to the date of receipt of tenders. In case there is no I.S.I. specification for the particular work, such work shall be carried out in accordance with the instructions in all respects, and requirements of BRBNMPL.
- d) 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.
- e) 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 Official.
- f) 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.
- g) 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.
- h) 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.

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- i) Defects Liability Period (DLP) period shall start only after the complete work under the contract has been taken over by BRBNMPL.
- j) The Contractor has to arrange for continuous deputation of suitable quality inspector from manufacturer (as directed by BRBNMPL) to ensure execution quality with respect to Manufacturer's specification, if any.
- k) 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.
- l) Bidder to note that the execution jobs shall be given as and when required by BRBNMPL. However, upon intimation by BRBNMPL Official, Contractor has to mobilize at site promptly to take up the jobs. Idling charges, on any account under the provision of contract, is not admissible.
- m) The Contractor has to maintain daily progress register for the job.
- n) 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.
- o) Unless otherwise expressly stipulated in the specifications, all mode of measurement shall be as laid down in IS Codes.
- p) Wherever any dispute regarding mode of measurement arises, the decision of BRBNMPL Official in writing will be final and binding on contractor.
- q) Unless otherwise mentioned specifically in the description of item itself, the rate for any item of work will apply for any position and up to any height for inside walls as well as outside vertical walls.
- r) Unless otherwise mentioned elsewhere in the tender document, all scaffolding required for carrying out the works shall be provided by the Contractor within the quoted rates.
- s) 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.
- t) 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.
- u) 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.
- v) 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.

2. Supervisor and Site Order Book:

- a) Supervisor who has the experience in execution of “**Civil building work / Civil maintenance work / Civil construction work**” must be deputed for supervision of works. **The testimonials and experience certificate shall be submitted before starting the work.** Supervisor shall take instructions from BRBNMPL Official, attend meetings, co-ordinate

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regularly on the progress of work and prepare gate pass for labours and materials, etc. The work should not suffer due to lack of supervision, manpower and materials.

- b) A Site order book shall be maintained on site and it shall be the property of BRBNMPL and the Contractor shall promptly sign orders given therein by BRBNMPL Official and comply with them. The compliance shall be reported by Contractor to BRBNMPL Official in good time so that it can be checked. The Contractor will be allowed to carry out the instruction therein from time to time. The Contractor also has to maintain records of area measurement (in L x B x H format), daily progress report, as per the plan for the work executed and make it available for inspection to BRBNMPL as and when required.

3. Materials:

- a) Materials and Brands/ colour shade shall comply with respective IS Specification and shall be got approved from BRBNMPL before using at site. Contractor will have to make necessary arrangement for testing of materials at his own cost, if required.
- b) Contractor has to submit copy of challan, invoice as a proof of purchase of items, as & when asked for.
- c) All materials are subject to inspection and approval of BRBNMPL. BRBNMPL shall reserve the right to reject any material when found not in conformity with specifications and terms and conditions of the Work Order in all respect. The materials should be as per specification.

- 4. Mode of Measurements:** Mode of measurements for all items of work shall be as per IS 1200 – Method of Measurement for Building and Civil Engineering Work. Measurement for the work done shall be taken jointly with BRBNMPL in the prescribed format.

5. 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

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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

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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.

6. Cleanliness of Site: During execution, the Contractor shall without any additional payment, at all times keep the working and storage areas used by him, free from accumulation of waste materials or rubbish. Before completion of all drain renovation works, he shall remove or dispose of all excess materials, temporary structures, waste and debris at a place outside the premises and land (property) of BRBNMPL, Salboni immediately to the satisfaction of BRBNMPL.

7. Statutory Compliance:

- a) Compliance of all Statutory obligations, as applicable from time to time, as per
 - (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

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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, 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 placement of our work order and also an undertaking towards payment of BOCWW Cess, wherever applicable.

8. 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/uncompleted 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.

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9. Safety Measures:

- a) 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.

10. 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.

- 11. 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.

SITE ENGINEER QUALIFICATIONS AND EXPERIENCE CRITERIA:

“B.E. or B. Tech. in Civil Engineering with Minimum 5+ years of Post Qualification Experience of Civil Works or 3 (Three) Years’ Diploma in Civil Engineering with 10+ years’ Post Qualification Experience of Civil Works must be deputed for supervision for works. The testimonials and experience certificate of the site engineer/ supervisor shall be submitted before starting the work.

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 Warranty and Defects Liability Period (DLP) Obligations] and shall submit “Scope of Work – Compliance” with their Technical Bid as per the format prescribed in the tender.
- (iv) Work shall be carried out as per the PWD/ CPWD Specifications and as per the details of items mentioned in the Price Schedule & as advised by BRBNMPL Official.
- (v) Works with item(s) not covered in the above schedule/ BOQ will be carried out as per the rates available in prevailing West Bengal PWD/CPWD, Schedule of Rates.
- (vi) The Contractor has to arrange for sufficient resources for execution of the work which include manpower, Tools & Tackles including Concrete breaker, Cutting, Drilling and Grinding Machines as per the instructions of BRBNMPL.
- (vii) The Contractor also has to maintain records of area measurement (in L x B x H format), daily progress report, as per the plan for the work executed and make it available for inspection to BRBNMPL as and when required. Mode of Measurement shall be as per latest version of IS 1200.

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- (viii) The rate quoted for the items in the Price Schedule/BOQ shall include Shuttering/scaffolding/ vertical support works at all heights.
- (ix) *Relevant documents like technical data, literature, drawings, and other documents may be submitted along with Techno-commercial Bid (Part-1).*

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

Sl. No.	Parameter	Accepted by Bidder	Remarks
1.	<u>Scope of Work</u> The scope of work includes:		
	a) CONSTRUCTION OF SCHOOL BUILDING WITH MID-DAY-MEAL HALL INCLUDING SUBMERSIBLE PUMP IN MANDALKUPI PRIMARY & HIGH SCHOOL OF PASCHIM MEDINIPUR DISTRICT	Yes	
	b) Work shall be carried out as per the PWD/ CPWD Specifications and as per the details of items mentioned in the Price Schedule & as advised by BRBNMPL Official.	Yes	
	c) Works with item(s) not covered in the above schedule/ BOQ will be carried out as per the rates available in prevailing West Bengal PWD/CPWD, Schedule of Rates.	Yes	
	d) The Contractor has to arrange for sufficient resources for execution of the work which include manpower, Tools & Tackles including Concrete breaker, Cutting, Drilling and Grinding Machines as per the instructions of BRBNMPL.	Yes	
	e) The Contractor also has to maintain records of area measurement (in L x B x H format), daily progress report, as per the plan for the work executed and make it available for inspection to BRBNMPL as and when required. Mode of Measurement shall be as per latest version of IS 1200.	Yes	
	(f) The rate quoted for the items in the Price Schedule/BOQ shall include Shuttering/scaffolding/ vertical support works at all heights.	Yes	
2	<u>Supervisor</u> Supervisor who has the experience in execution of <i>Civil Building work / Civil construction work</i> must be deputed for supervision of works. The testimonials and experience certificate shall be submitted before starting the work. Supervisor shall take instructions from BRBNMPL Official, attend meetings, co-ordinate regularly on the progress of work and prepare gate pass for labours and materials, etc. The work should not suffer due to lack of supervision, manpower and materials.	Yes	

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Sl. No.	Materials	Preferred Manufacturers	Offered / Quoted Make/ Model/ Manufacturer
1	Grey Cement (43 or 53 Grade)	A.C.C, Ultra Tech, Ambuja, Shree Cement or equivalent	
	White Cement Putty	Birla White, J.K. Birla White Putty or equivalent	
2	Steel (Thermo Mechanically Treated Steel) High strength deformed bars or mild steel reinforcement	TATA, SAIL, RINL or equivalent	
3	Clay Bricks	Good quality locally available material approved by Engineer / Architect	
4	Pressed Steel frames for Doors Pressed Steel frames for Aluminium- Windows, Ventilators.	Fabricated P.S. frames approved by Engineer/Architect. Indal / Jindal / 25 microns approved by Engineer / Architect.	
5	Flush Door Shutters	Century/ Archid / Green / Kajaria / Satabdi or equivalent	
6	Particle Boards/Block Boards (Storage Shutters and Kitchen Cabinets on with Laminates	Century/ Archid / Green / Kajaria / Satabdi or equivalent	
7	Glass (Plain / Pin Headed) and Glass Tinted	Modi Float / Triveni / Hindustan Pallington / Asahi / Saint Gobain or equivalent	
8	Aluminum Hardware/fittings	Argent / Classic / Shalimar or equivalent	
9	Brass Mortice Locks & Latches	Godrej / Ultra / Ebco or equivalent	
10	Latches with Internal locks	Godrej / Ultra / Ebco or equivalent	
11	Floor Type Hydraulic door closer (Floor spring)	Everite / Hypper / Hemco or equivalent	
12	Aluminium door, window and ventilator sections.	Jindal / Indal / Hindalco or equivalent	
13	Water proofing material / compound.	CICO – I / Roff, Sika, Dr. Fixit, Pedilite or equivalent	
14	Synthetic Enamel Paint	Dulux / Asian / Nerolac / Berger or equivalent	
15	Oil Bound Distemper	Dulux / Asian / Nerolac / Berger or equivalent	
16	Plastic Paint	Dulux / Asian / Nerolac / Berger or equivalent	
17	Panelled Doors	National / Century / Swastik / Kitply or equivalent	
18	P.V.C. Doors	Sintex / Mihir / Fixopan or equivalent	

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19	Rolling Shutter & Grills	Good quality locally available material As approved by Architect / Engineer	
20	Hardeners	Good quality locally available material As approved by Architect / Engineer	
21	Red Oxide	Asian / Berger / Dulux or equivalent.	
22	Waterproof cement paint / acrylic paint	Snocem India, Nerolac, Nitcocem or equivalent.	
23	Glazing	Hindustan Pilkington, Tiveni, Modi or equivalent	
24	Water seal (Epoxy-sterarate) compound.	Good quality locally available material As approved by Architect / Engineer	
25	Medium density fiber-board in lieu of partitions paneled doors and flush doors.	Nuwood, mangalam, Amulya or equivalent	
26	Screws	GKM, mettle fold, Ebco or equivalent	
27	Brass Hinges	Reliance / Punit heavy duty / GKM or equivalent	
28	Ironmongeries and brass fittings	Jiranna / CIEF/ Shalimar / Everite	
29	Drawer sliding fitting	Earl bhihari, Ebco, Godrej or equivalent	
30	Hardware	Shalimar, Everite, Reliance Brass powder coated or equivalent	
31	Drawer Shutter Lock	Vijayan/Godrej, Ebco (3 set of keys or equivalent)	
36	Ball Catch	Magnetic (M-2) / Brass / Caterpillar or equivalent	
37	Veneer	Achor / Kitply / Uro / Durian / Century or equivalent	
38	Adhesive	Fevicol (SH) , Araldite of Hindustan Ciba Geigy Ltd. , Dendrite or equivalent	
39	Polish	French/Zinc Oxide / Melamine (Asian) or equivalent	
40	Wood Preservative	Asian paint / British paint / PKU Vernish or equivalent	
41	Sun control film	Garware, China, Vista or equivalent	

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42	Polyuria than foam	Good quality locally available material As approved by Architect / Engineer	
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B. PLUMBING WORK

Sl. No.	Materials	Preferred Manufacturers	Offered / Quoted Make/ Model/ Manufacturer
1	PVC Low level flushing cisterns	Hindware / Parryware / Cera / Somany / Kajaria or equivalent	
2	C P Fittings / Toilet Accessories ISI Marked	Jaquar / Aquel / ESS ESS / Marc / Somany or equivalent	
3	UPVC Pipes (S/W/R Pipes)	Ashirbad / Supreme / Finolex / Prince/ Astral or equivalent	
4	Centrifugal cast CI Pipes & Fittings	TATA / RIF / Neco or equivalent	
5	G.I. Pipes (B-Class)	ITC / Tata / Zenith or equivalent.	
6	G.I. Fittings (ISI Brand)	Unik / AMCO / Tata or equivalent.	
7	Gunmetal valves (Full way, check and globe valves)	Leader / Zoloto (with ISI mark) / Sant or equivalent.	
8	S.W. Pipes / Fittings & Gully traps	Perfect / Tirmurti / Bharat or equivalent.	
9	Ball valves	Voltec / Zoloto or equivalent	
10	HDPE Tanks	Sintex / Polycon / Unitank /Patton or equivalent.	
11	Hydro-pneumatics Systems	Grund Fos / Crompton / KSB or equivalent.	
12	Water lifting Pump	Grund Fos / Crompton / KSB or equivalent.	
13	Submersible Pump	Grund Fos / Crompton / KSB or equivalent.	
14	Chemical Doser	Asia Lmi / Prominent / Ion Exchange or equivalent.	
15	Pressure Gauge	H. Guru or equivalent.	
16	Level Indicator	Dasmesh / Capstain / Kaycee or equivalent.	
17	Air Relief Valves	RB / Zolto / Kirloskar or equivalent.	
18	Water Meter	Dasmesh / Capstain / Kaycee or equivalent.	

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19	PVC Encapsulated footrest.	KGM / Unik / AMCO or equivalent approved make	
20	C.I. Sluice valves	Kirloskar, Leader or equivalent with ISI mark	
21	Brass & Gun metal globe, gate valves, feet valves	Leader NETA or equivalent with ISI marking on the body.	
22	Storage Heaters	Recold, Spherehot, dofoldo or equivalent.	
23	Fire Hydrant	Approved by local fire Bridges Authority	
24	Sand cast soil pipes and fittings	NECO sand cast / B.I.C. or equivalent.	
25	Bracket supports	Hi-tech/MS brackets as per drawings	
26	Connection pipe-PVC	Kohinoor/Viking/Tata or equivalent.	
27	Butterfly valve	Good quality locally available material As approved by Architect / Engineer	
28	PVC Fittings (Moulded)	Clarion / Finolex / Prince or equivalent.	
29	UV filter	Alfa-level or equivalent	
30	Stainless Steel	Salem Steel or equivalent	
31	Fire Door	RDG / Shakti / Metdor or equivalent	

C. ELECTRICAL WORK

Sl. No.	Materials	Preferred Manufacturers	Offered / Quoted Make/ Model/ Manufacturer
1	11 KV CIRCUIT BREAKER PANEL	ABB / SEIMENS / AREVA or equivalent	
2	11 KV / 0.4 KV TRANSFORMERS	CROMPTON / KIRLOSKER / AREVA / SEIMENS or equivalent	
3	11 KV Isolator and D O Fuses	AMEI / ELLPRO / STERLING or equivalent	
4	Capacitor	L & T / DUCATI / EPCOS or equivalent	
5	APFC relay	L & T KHATAU / DUCATI / SYNTRON or equivalent	

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6	M.C.B. / RCCB / RCBO	LEXIC / HAGER / ABB / MDS or equivalent	
7	Distribution Boards	LEXIC / HAGER / ABB / MDS or equivalent	
8	Switch Fuse Units with HRC fuses	GE / L&T / ABB or equivalent	
9	Moulded Case Circuit Breaker (MCCB)	ABB (T max / L&T (D sine) / SIEMENS or equivalent	
10	Air Circuit Breakers	ABB (EMEX/ L&T (C POWER) / SIEMENS or equivalent	
11	Current Transformer / Meters / Voltage Transformers / Relays / Starters / Contactors / Selector Switch / Indicating Lamps	L&T / SIEMENS / AUTOMATIC ELECTRIC / CONTROL & SWITCH GEARS / ABB or equivalent	
12	Change Over Switches	GE / L&T / HH ELCON / HAVELLS or equivalent	
13	Cable Glands and Sockets	SIEMENS / JAINSON / COMET or equivalent	
14	PVC insulated Copper conductor wires	FINOLEX / RR / POLYCAB or equivalent	
15	PVC / XLPE Insulated 11 KV / 1.1 KV Cables	UNIVERSAL / FORT CLOSTER / NICCO / FINOLEX/ POLYCAB or equivalent	
16	Switches and Sockets outlets (Conventional piano type)	ANCHOR/ HAGER / ABB or equivalent	
17	Switches and Sockets outlets (Modular type)	LK Fuga / MK / MDS-MOSAIC or equivalent	
18	Industrial outlet	LEXIC / HAGER / ABB or equivalent	
19	MIS Conduits and Accessories	B.E.C./AKG/MK or equivalent	
20	PVC Conduits and accessories	AKG/BEC/CAP/SEIKO / PRECISION or equivalent	
21	Buzzers/Bell Push bell	ANCHOR/ HAGER / ABB or equivalent	
22	MCB Distribution Board	MDS/LEGRAND/SIEMENS /HAGER or equivalent	
23	HRC Switch Fuse nits	SIEMENS ABB/GE/L&T or	

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		equivalent	
24	Cable Glands/Lugs	SIEMENS/DOWELLS/AB B or equivalent	
25	Electronic Regulator	MK/ANCHOR/ROMA/LE GRAND/MDS or equivalent	

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

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Section VIII: Quality Control Requirements

The quality control requirement shall be in line with Section VII: Scope of Work.

Quality Control Requirements - Compliance

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

Sl. No.	Parameter	Noted by Bidder	Remarks
1.	The quality control requirement shall be in line with Section VII: Scope of Work.	Noted	

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

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Section IX: Qualification Criteria

Parameter	Qualifying criteria
Experience & Past Performance	<p>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:</p> <p>a) Three (03) similar completed works each costing not less than the amount equal to 40% of the estimated cost (i.e., ₹15.82 Lakh); OR</p> <p>b) Two (02) similar completed works each costing not less than the amount equal to 50% of the estimated cost (i.e., ₹19.78 Lakh); OR</p> <p>c) One (01) similar completed work costing not less than the amount equal to 80% of the estimated cost (i.e., ₹31.64 Lakh).</p> <p style="text-align: center;">*Similar work means</p> <p style="text-align: center;">“Construction of School Building, Office Building, Institutional Building, Civil Building Construction works and allied civil works etc.”</p> <p>Note: Sub-contracted works will not be considered.</p> <p><u>Relaxation</u></p> <p>Bidders applying as Class-I & Class-II local suppliers and 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)’].</p>
Capability - Equipment & Manufacturing facilities	<p>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.</p>
Financial Standing	<p>Average Annual Turnover of the Bidder Firm during last Three financial years ending 31/03/2023 should be at least ₹11.87 Lakh.</p> <p><u>Relaxation</u></p> <p>Bidders applying as Class-I & Class-II local suppliers and 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)’].</p>
	<p>The Net Worth of the Bidder Firm,</p> <p>a) should not be Negative as on 31/03/2023, and also</p> <p>b) should not have eroded by more than 30% year-on-year in the last three financial years ending 31/03/2023</p>

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Note: -

1. Bidders applying as **Class-I & Class-II local suppliers and 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)’].
2. **Documents wrt Experience & Past Performance:** Following documents are required to be submitted along with the bid as part of the Pre-Qualification Criteria:
 - a) Copies of **Work Orders** executed by the firm along with **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.
 - b) All experience, past performance and capacity / capability related data should be certified by the authorized signatory of the bidder firm.
 - c) 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.
3. **Documents wrt 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 **31/03/2023**, 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 **31/03/2023** 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 **31/03/2023**.
 - 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:

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED

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RBNM P.O. Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132
TENDER DOCUMENT FOR “CONSTRUCTION OF SCHOOL BUILDING WITH MID-DAY-MEAL HALL INCLUDING SUBMERSIBLE PUMP IN MANDALKUPI PRIMARY & HIGH SCHOOL OF PASCHIM MEDINIPUR DISTRICT” T.E No. 006/SAL/CSR/2023-24, dated 02/03/2024

- 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 **31/03/2023**.
- 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.

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- (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.

Note: Documentary proof for the above qualifying criterion should be submitted along with your offer duly signed by authorized signatory of your company. Non-submission or incomplete submission of documents may lead to rejection of offer.

We _____ (name of the company) have submitted the required documents in support of the **Section IX: Qualification/ Eligibility Criteria** as mentioned above.

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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: 006/SAL/CSR/2023-24, dated 02/03/2024 for Construction of School Building with Mid-Day-Meal Hall including Submersible Pump in Mandalkupi Primary & High school of Paschim Medinipur District

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

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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 eProcurement)

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

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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 eProcurement).

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]

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From

.....
.....

Date

To

The Senior General Manager
BRBNMPL, Salboni – 721 132

Dear Sir,

Sub : Price bid for CONSTRUCTION OF SCHOOL BUILDING WITH MID-DAY-MEAL HALL INCLUDING SUBMERSIBLE PUMP IN MANDALKUPI PRIMARY & HIGH SCHOOL OF PASCHIM MEDINIPUR DISTRICT**Ref : Your e-Tender No.006/SAL/CSR/2023-24 dated 02/03/2024**

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

(For WORKS)**[All Figures in INR]**

Sl. No.	Brief description of Works [As per detailed Scope of Work given at Section-VII]	Unit of Measurement (UoM)	Quantity	Unit Rate excluding GST (₹)	Amount (₹) = Quantity x Unit Rate excluding GST & Labour Cess
			A	B	C = A x B
A	<u>Construction of Stair Case for Ground Floor:</u>				
1.	Earth work in excavation of foundation trenches or drains in all sorts of soil (including mixed soil but excluding laterite or sand stone) including removing, spreading or stacking the spils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, leveling, dressing and ramming the bottom, bailing out water as required complete and depth of excavation not exceeding 1500 mm.	Cum	13.52		
2.	Earth work in filling in foundation trenches or plinth with good earth in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on measurement of finished quantity of work)	Cum	4.51		

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3.	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm. as directed and consolidating same by thorough saturation with water ramming complete. Including the cost of supply of sand. (Payment to be made on measurement of finished quantity)	Cum	6.19		
4.	Provide casting and laying of Plain cement concrete (1:3:6) in footing and floor etc. of concrete grade M-15 (1 cement: 3 fine aggregate: 6 coarse aggregate) nominal mix, using 40 mm downgraded stone aggregate of Pakur Variety (by placing in position as per drawing) excluding cost of shuttering and reinforcement, all bye works complete as per drawing and curing the concrete using gunny bags till it attains its maximum strength as per specification, drawing and instruction of the Engineer- in- charge.	Cum	3.12		
5.	Providing Ordinary cement concrete (mix 1:1.5:3) in footings, columns, plinth beams, lintels, Stair case steps, roof beams and roof slabs etc of Concrete M-20 grade using with downgraded stone chips of 20 mm nominal size excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes, all bye works complete as per drawing and curing the concrete using gunny bags till it attains its maximum strength as per specification, drawing and instruction of the Engineer- in- charge.	Cum	10.85		
6.	Hire and labour charges for shuttering with centering and necessary staging up to 4 m. using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams, columns, lintels curved or straight including filling, fixing and striking out after completion of works. (up to roof of ground floor)	Sqm	88.6		
7.	Reinforcement for reinforced concrete work in the all sorts of structures (For RCC works in foundation, basement and up to roof of ground floor/up to 4 m) including distribution bars, stirrups, binders etc. including supply of rods; initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16-gauge black annealed wire at every inter-section, complete as per drawing and direction.	MT	1.11		
8.	Providing 250mm thick 1 st class Brick work with cement mortar 1:6 (1 cement: 6 Sand) proportion in Foundation, Plinth, and superstructure brick work in Ground floor all lead and lift including curing, scaffolding with all bye-works as per drawing specification and direction of the Engineer-in-charge with approved bricks of class designation – 50.				
(a)	In foundation and plinth	Cum	0.67		
(b)	In superstructure, Ground floor	Cum	6.97		
9.	Plaster (to wall, floor, ceiling, etc.) with 1:4 (cement and Sand) mortar including off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface]				

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(a)	15 mm Thick plaster (Outside)	Sqm	41.55		
(b)	20 mm Thick plaster (Inside)	Sqm	37.36		
(c)	10 mm Thick plaster (Inside for stairs, landing and ceiling	Sqm	18.53		
10.	Providing and laying of Neat cement punning in wall/dado, floor etc. (cement @ 0.152 cum. Per % Sqm) with all bye-works dabbing, curing complete at all heights and specification as per direction of the Engineer-in-charge.	Sqm	8.93		
11.	M.S. or W.I. ornamental grill of approved design joints continuously welded with M.S., W.I. flats and bars for windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor. (Grill weighing above 10Kg. /sqm. And up to 16Kg./sqm)	Qntl	0.065		
12.	Collapsible gate with 40mm x 40mm x 6mm Tee as top and bottom guide rail, 20mm x 10mm x 2mm vertical channels 100mm apart in fully stretched position 20mm x 5mm M.S. flats as collapsible bracings properly riveted and washered including 38mm steel rollers including locking arrangements, fitted and fixed in position with lugs set in cement concrete and including cutting necessary holes, chasing etc. in walls, floors etc. and making good damages complete.	Sqm	5.25		
13.	Artificial stone in floor, dado, staircase etc with 35 mm thick cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement	Sqm	13.50		
14.	Rendering the surface of walls and ceiling with white cement-based wall putty of approved make and brand (1.5mm thick)	Sqm	65.69		
15.	Applying Exterior grade one coat of Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacture's specification and as per direction of E.I.C. (ground floor)	Sqm	41.55		
16.	Protective and decorative Two coats of Acrylic exterior emulsion paint of approved quality, as per manufacture's specification and as per direction of EIC to be applied over acrylic primer as required. The rate includes cost of materials, labour, scaffolding and all incidental charges but excluding the cost of primer. In ground floor.	Sqm	41.55		
17.	Acrylic distemper to interior wall, ceiling with Two coat of solvent based interior grade acrylic primer (as per manufacture's specification) including cleaning and smoothening of	Sqm	55.88		

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	surface.				
18.	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	Sqm	20.00		
19.	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface.	Sqm	20.00		
20.	Supplying, fitting & fixing UPVC pipes A – Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete.				
	UPVC 75 mm Dia Pipes	RM	6.00		
	UPVC 110 mm Dia Pipes	RM	6.00		
21.	Providing and fixing PVC Door Frame of size 50x47mm with a wall thickness of 5mm (± 0.2 mm) made out of single piece extruded PVC profile, with mitred cut joint sand joint with 2 nos. of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 mm x 15 mm & self-driven self-taping screws, the vertical door profiles to be reinforced with 40x20mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5 mm PVC frame strip with PVC solvent cement on the back of the profile. The doorframe to be fixed to the wall using 8 x100mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge.	RM	4.95	<div>Price Schedule / Bid to be uploaded ONLINE in MSTC PORTAL</div>	
22.	Supplying, Fitting & Fixing 30 mm thick Double Leaf Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19-gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. Heat moulded PVC “C” channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to fo rm lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th.,20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 5 mm th. Both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles &rails with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the “C”	RM	1.575		

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	channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge.				
(B)	Construction of First Floor School Building				
23	Providing Ordinary cement concrete (mix 1:1.5:3) in footings, columns, plinth beams, lintels, Stair case steps, roof beams and roof slabs etc of Concrete M-20 grade using with downgraded stone chips of 20 mm nominal size excluding shuttering and reinforcement if any, in first floor as per relevant IS codes, all bye works complete as per drawing and curing the concrete using gunny bags till it attains its maximum strength as per specification, drawing and instruction of the Engineer- in- charge.	Cum	34.88		
24	Hire and labour charges for shuttering with centering and necessary staging upto 16m height. using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams, columns, lintels curved or straight including filling, fixing and striking out after completion of works. 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	Cum	307.31		
25.	Reinforcement for reinforced concrete work in the all sorts of structures including distribution bars, stirrups, binders etc. including supply of rods; initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16gauge black annealed wire at every inter-section, complete as per drawing and direction.	MT	3.56		
26.	Providing 250mm thick 1st class Brick work with cement mortar 1:6 (1 cement: 6 Sand) proportion in Foundation, Plinth, and superstructure brick work in first floor all lead and lift including curing, scaffolding with all bye-works as per drawing specification and direction of the Engineer-in-charge with approved bricks of class designation – 50.	Cum	69.36		
27.	Providing 250mm thick 1st class Brick work with cement mortar 1:6 (1 cement: 6 Sand) proportion in Foundation, Plinth, and superstructure brick work in first floor all lead and lift including curing, scaffolding with all bye-works as per drawing specification and direction of the Engineer-in-charge with approved bricks of class designation – 50.				
(a)	15 mm Thick plaster (Outside)	Sqm	308.79		
(b)	20 mm Thick plaster (Inside)	Sqm	308.24		
©	10 mm Thick plaster (Inside for stairs, landing and ceiling)	Sqm	125.20		
28.	Providing and laying of Neat cement punning in wall/dado, floor etc. (cement @ 0.152 cum. Per % Sqm) with all bye-works dabbing, curing complete at all heights and specification as per direction of the Engineer-in-charge.	Sqm	36.69		
29.	M.S. or W.I. ornamental grill of approved design joints continuously welded with M.S., W.I.	Qntl	6.87		

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	flats and bars for windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor.				
30.	Supplying 1.5mm thick M.S. sheet fitted and fixed on one or both faces of M.S./ W.I. gate etc. with point welding at not more than 150mm apart complete in all respect as per design including cost of all labour and materials.	Sqm	25.15		
31.	Artificial stone in floor, dado, staircase etc with 35 mm thick cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement	Sqm	99.92		
32.	Rendering the surface of walls and ceiling with white cement-based wall putty of approved make and brand (1.5mm thick)	Sqm	433.44		
33.	Applying Exterior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacture's specification and as per direction of E.I.C. (ground floor) one coat	Sqm	308.78		
34.	Protective and decorative Acrylic exterior emulsion paint of approved quality, as per manufacture's specification and as per direction of EIC to be applied over acrylic primer as required. The rate includes cost of materials, labour, scaffolding and all incidental charges but excluding the cost of primer. In First floor, Two coats	Sqm	433.43		
35.	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	Sqm	150.00		
36.	Painting with superior quality aluminum paint of approved make and brand including smoothening surface by sand papering etc. on steel surface	Sqm	150.00		
(C)	Construction of Kitchen with Dining Hall				
37.	Earth work in excavation of foundation trenches or drains in all sorts of soil (including mixed soil but excluding laterite or sand stone) including removing, spreading or stacking the spils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, leveling, dressing and ramming the bottom, bailing out water as required complete and depth of excavation not exceeding 1500 mm.	Cum	61.75		
38.	Earth work in filling in foundation trenches or plinth with good earth in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on measurement of finished quantity of work)	Cum	41.16		

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TENDER DOCUMENT FOR “CONSTRUCTION OF SCHOOL BUILDING WITH MID-DAY-MEAL HALL INCLUDING SUBMERSIBLE PUMP IN MANDALKUPI PRIMARY & HIGH SCHOOL OF PASCHIM MEDINIPUR DISTRICT” T.E No. 006/SAL/CSR/2023-24, dated 02/03/2024

39.	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm. as directed and consolidating same by thorough saturation with water ramming complete. Including the cost of supply of sand. (Payment to be made on measurement of finished quantity)	Cum	44.10		
40.	Provide casting and laying of Plain cement concrete (1:3:6) in footing and floor etc. of concrete grade M-15 (1 cement: 3 fine aggregate: 6 coarse aggregate) nominal mix, using 40 mm downgraded stone aggregate of Pakur Variety (by placing in position as per drawing) excluding cost of shuttering and reinforcement, all bye works complete as per drawing and curing the concrete using gunny bags till it attains its maximum strength as per specification, drawing and instruction of the Engineer- in- charge.	Cum	15.28		
41.	Providing Ordinary cement concrete (mix 1:1.5:3) in footings, columns, plinth beams, lintels, Stair case steps, roof beams and roof slabs etc. of Concrete M-20 grade using with downgraded stone chips of 20 mm nominal size excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes, all bye works complete as per drawing and curing the concrete using gunny bags till it attains its maximum strength as per specification, drawing and instruction of the Engineer- in- charge.	Cum	56.65		
42.	Hire and labour charges for shuttering with centering and necessary staging up to 4 m. using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams, columns, lintels curved or straight including filling, fixing and striking out after completion of works. (up to roof of ground floor)	Cum	429.77		
43.	Reinforcement for reinforced concrete work in the all sorts of structures including distribution bars, stirrups, binders etc. including supply of rods; initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16-gauge black annealed wire at every inter-section, complete as per drawing and direction. For works in foundation, basement and upto roof of ground floor/ upto 4 m.	MT	5.78		
44.	Providing 250mm thick 1st class Brick work with cement mortar 1:6 (1 cement: 6 Sand) proportion in Foundation, Plinth, and superstructure brick work in first floor all lead and lift including curing, scaffolding with all bye-works as per drawing specification and direction of the Engineer-in-charge with approved bricks of class designation – 50.				
(a)	In foundation and plinth	Cum	6.685		
(b)	In superstructure, Ground floor.	Cum	70.02		
45	Plaster (to wall, floor, ceiling, etc.) with 1:4 (cement and Sand) mortar including off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding /staging where necessary (Ground floor). [Excluding cost of chipping over concrete surface]				

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

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(a)	15 mm Thick plaster (Outside)	Sqm	290.64		
(b)	20 mm Thick plaster (Inside)	Sqm	183.95		
(c)	10 mm Thick plaster for all concrete surfaces (i.e. Inside for dining and Kitchen ceiling and pillars of dining hall etc.)	Sqm	202.70		
46.	Providing and laying of Neat cement punning in wall/dado, floor etc. (cement @ 0.152 cum. Per % Sqm.) with all bye-works dabbings, curing complete at all heights and specification as per direction of the Engineer-in-charge.	Sqm	142.14		
47.	M.S. or W.I. ornamental grill of approved design joints continuously welded with M.S., W.I. flats and bars for windows, railing etc. Fitted and fixed with necessary screws and lugs in ground floor. Grill weighing above 10Kg. /sqm. and upto 16Kg./sqm	Qntl	4.38		
48.	Supplying 1.5mm thick M.S. sheet fitted and fixed on one or both faces of M.S./ W.I. gate etc. with point welding at not more than 150mm apart complete in all respect as per design including cost of all labour and materials.	Sqm	27.36		
49.	Artificial stone in floor, dado, staircase etc with 35 mm thick cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour. In ground floor. 3 mm. thick topping. (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement.	Sqm	130.62		
50.	Applying one coat of Exterior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacture's specification and as per direction of E.I.C. (ground floor)	Sqm	290.64		
51.	Protective and decorative Two coats of Acrylic exterior emulsion paint of approved quality, as per manufacture's specification and as per direction of EIC to be applied over acrylic primer as required. The rate includes cost of materials, labour, scaffolding and all incidental charges but excluding the cost of primer. In ground floor.	Sqm	290.64		
52.	Applying Two coats of Acrylic distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacture's specification) including cleaning and smoothening of surface.	Sqm	386.64		
53.	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	Sqm	30.00		

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54.	Painting with superior quality aluminium paint of approved make and brand including smoothening surface by sand papering etc. on steel surface	Sqm	30.00		
(D)	Installation of Submersible Pump				
55.	Labour for boring tube well of required dia by water jet system through any type of soil strata including line & labour charges for boring pipes, Scaffolding, tools and plants as necessary & taking out then and lowering pipes, strainers, blind pipe etc. and fitting fixing the same completely including bucket washing and other incidental works in the connection. The tube well should have a min 50mm gap in between the outside of the tube well pipe and the bore. For depth upto 150 meter for 80 mm dia tube with top enlargement of 100mm dia.				
(i)	100 mm dia boring etc.	RM	42.00		
(ii)	80 mm dia boring etc.	RM	30.00		
56.	Packing the annular space between the outside of the tube well pipes & strainers and the bore with pea size washed gravel of approved quality having size from 2 mm to 5 mm or the size approved by the Engineer-In-Charge including cost of all materials labour and equipment complete.	cum	1.0		
57.	Washing and developing tube well with air compressor pump and engine for 8 (eight) hours continuous pumping per day with necessary arrangements for testing the yield in gallons per hour with 'V' notch including hire and labour charges for all tools and plants and scaffolding as required.	Day	1.0		
58.	Supply of Tube - well accessories as per company's rate.				
(a)	G I plug cutter (100 mm dia)	Nos	1.0		
(b)	Supply of PVC pipes & fittings (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I).				
	i) 100 mm dia	RM	42		
	ii) 80 mm dia	RM	30		
(c)	Labour charges for slotting of pipe for making strainer	Nos	12		
(d)	40 mm dia "Oriplast/Asirvad" make standard type threaded PVC column pipe, @ 3.00 mtr. Long/ per piece	Nos	8		
(e)	1.0 H.P. single phase 220volt KSB/CRI/TAXMO/CROMPTON GREAVS/ KIRLOSKAR make submersible pump with motor of 1.1 K.W. /9 - 12 stage /40 mm del size /HR (m)-56-33	Set	1		

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(f)	Panel board (ISI brands) complete for 1.0 H.P. KSB/CRI pump with motor.	Set	1		
(g)	2.5 Sqmm 3 Core CRI or any ISI brand flat cable (1100 V)	RM	40		
(h)	40 mm dia Male /Female adopter for Rope & bottom of column pipe.	Set	1		
(i)	100 mm G.I. Top cap (Heavy duty)	Nos	1		
(j)	100 mm dia M.S. Heavy duty housing clamp.	Pair	1		
(k)	40 mm dia G.I. bend.	Nos	1		
(l)	40 mm dia heavy duty clamp.	Pair	1		
(m)	Reducing socket (100mm x 80mm)	Nos	1		
59.	Sub-total (Total of Sl. No. 1 to 58)				
60.	GST [Please specify the rate]				
61.	Total Amount including GST				
62.	Labour Welfare Cess @1% on Total Amount				
63.	Gross Amount (Including GST & Labour Cess)				

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

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MANDALKUPI PRIMARY & HIGH SCHOOL OF PASCHIM MEDINIPUR DISTRICT” T.E No. 006/SAL/CSR/2023-24, dated 02/03/2024**

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. Tender shall be finalized on **the basis of Overall Lowest (L1) Bidder** from eligible bidders as per Section XI and as per terms & conditions of the tender.
3. Quoted Rate should be on the basis of final completion of works at work place, Salboni (including Unit Rate and GST).
4. Price bids with conditions/Counter conditions shall be liable for rejection.
5. Bidders mentioning prices in any place other than the Price Bid (PART-II) shall be liable for rejection of their bids.
6. 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.
7. Purchase preference shall be given to the participating bidders registered under Class-I Local Suppliers as per SIT provision for GIT clause No. 35.2 & 35.3 given under Section III: Special Instructions to Tenderers (SIT).
8. 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.
- 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)

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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.

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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)

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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.

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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.

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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: 006/SAL/CSR/2023-24, dated 02/03/2024

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

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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).

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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.

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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

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(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 :

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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. 006/SAL/CSR/2023-24, dated 02/03/2024

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

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Section XVIII: Eligibility Declarations

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

e-Tender Enquiry No. 006/SAL/CSR/2023-24 dated 02/03/2024

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.

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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

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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 maintenance 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]

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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

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Section XX: Pre-Contract Integrity Pact

(To be executed on plain paper and applicable for all tenders of value above ₹ 5 crore)

(Shall be as per the format uploaded in Company's website)

NOT APPLICABLE

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- 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’	<ul style="list-style-type: none"> 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’	<ul style="list-style-type: none"> 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’	<ul style="list-style-type: none"> 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

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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

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- 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 debarring.
- 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 debarring 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.

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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

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

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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'.

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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-Mil 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-Mil Order in various scenarios, involving simultaneous purchase preference to MSEs and Class-I local suppliers under PPP-MSE Order and PPP-Mil Order respectively, shall be as under:
- a) *Items covered under Para 3(a) of PPP- Mil 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:
- L-1 is "MSE Class-I local supplier" - 100% of the tendered quantity is to be awarded to L-1
 - 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:
- L-1 is "MSE Class-I local supplier" - 100% of the tendered quantity is to be awarded to L-1
 - L-1 is "MSE non-Class-I local supplier" - Purchase preference is to be given to Class-I local supplier as per PPP-Mil 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-Mil 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:
- L-1 is "MSE Class-I local supplier" - 100% of the tendered quantity is to be awarded to L-1
 - 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
 - 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-Mil Order. Balance quantity is to be awarded to L-1 bidder
 - 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- Mil 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-Mil 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:
- L-1 is "MSE Class-I local supplier" - Contract is awarded to L-1
 - 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
 - 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:
 - L-1 is "MSE but non-Class-I local supplier" or "Non-MSE but Class-I local supplier" - Contract is to be awarded to L-1
 - 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-Mil 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.

Example explaining applicability in scenario explained in para 4 c (a)(iv)

(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

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

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

TENDER DOCUMENT FOR “CONSTRUCTION OF SCHOOL BUILDING WITH MID-DAY-MEAL HALL INCLUDING SUBMERSIBLE PUMP IN MANDALKUPI PRIMARY & HIGH SCHOOL OF PASCHIM MEDINIPUR DISTRICT” T.E No. 006/SAL/CSR/2023-24, dated 02/03/2024

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-MI 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.

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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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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.

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PASCHIM MEDINIPUR DISTRICT” T.E No. 006/SAL/CSR/2023-24, dated 02/03/2024**

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: 006/SAL/CSR/2023-24, dated 02/03/2024

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]

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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: 006/SAL/CSR/2023-24 dated 02/03/2024

- 1) Location of the manufacturing Factory
- 2) Details of Plant and Machinery executed and function 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 workers (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 the 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]

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Annexure 9**Performance Statement**(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: 006/SAL/CSR/2023-24 dated 02/03/2024**

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]

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

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Auditee Details:

.....

.....

Sl. No.	Financial Year	Annual Turnover	Net Worth	Remarks
1.	2020-21			
2.	2021-22			
3.	2022-23			

.....

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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(Customer's option to receive payments through Credit Clearing Mechanism)

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.	
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

Date:

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.

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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: 006/SAL/CSR/2023-24 dated 02/03/2024

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 originals (or self-attested copies of originals – as specified therein) of specified scanned uploaded documents (except Price Schedule) must be physically submitted in a sealed cover before the bid submission deadline at mentioned venue. **Failure to do so is likely to result in the bid being rejected.**

(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]

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

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

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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	Warranty Clause as mentioned in tender.	Accepted	
6	Defects Liability Period (DLP) Clause as mentioned in tender.	Accepted	
7	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	
8	We will abide by all the safety and security norms of BRBNMPL.	Accepted	
9	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]

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED

(Wholly owned subsidiary of Reserve Bank of India)

RBNM P.O. Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132
**TENDER DOCUMENT FOR “CONSTRUCTION OF SCHOOL BUILDING WITH MID-DAY-MEAL
HALL INCLUDING SUBMERSIBLE PUMP IN MANDALKUPI PRIMARY & HIGH SCHOOL OF
PASCHIM MEDINIPUR DISTRICT” T.E No. 006/SAL/CSR/2023-24, dated 02/03/2024**

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. 006/SAL/CSR/2023-24 for the Construction of _____ (“**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.

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(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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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 <ul style="list-style-type: none"> • 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

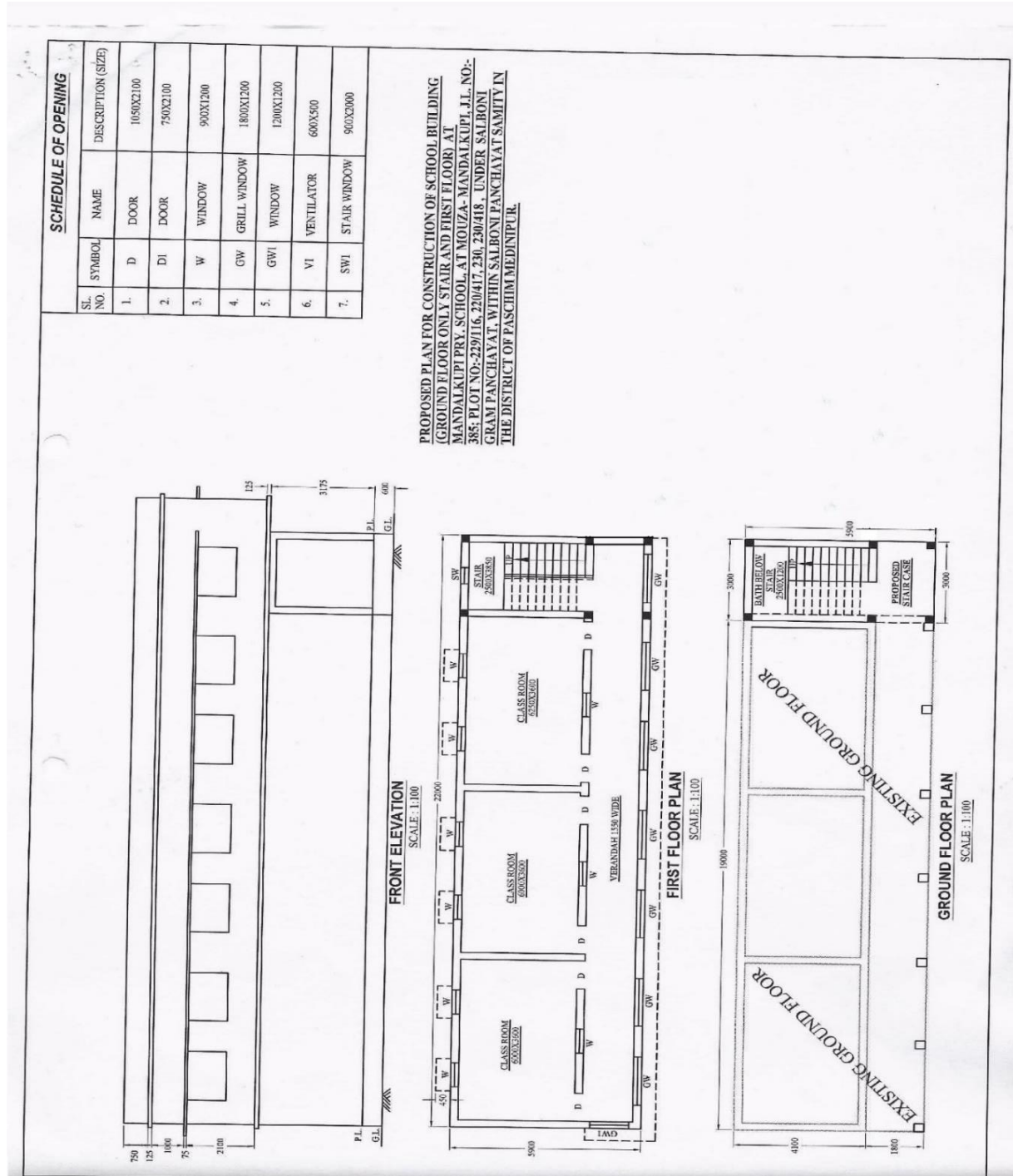
.....
[name & address of Bidder and seal of company]

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Annexure 15**Tender Drawings****Tender Drawings are enclosed as follows:**

(Drawing 1 of 3)

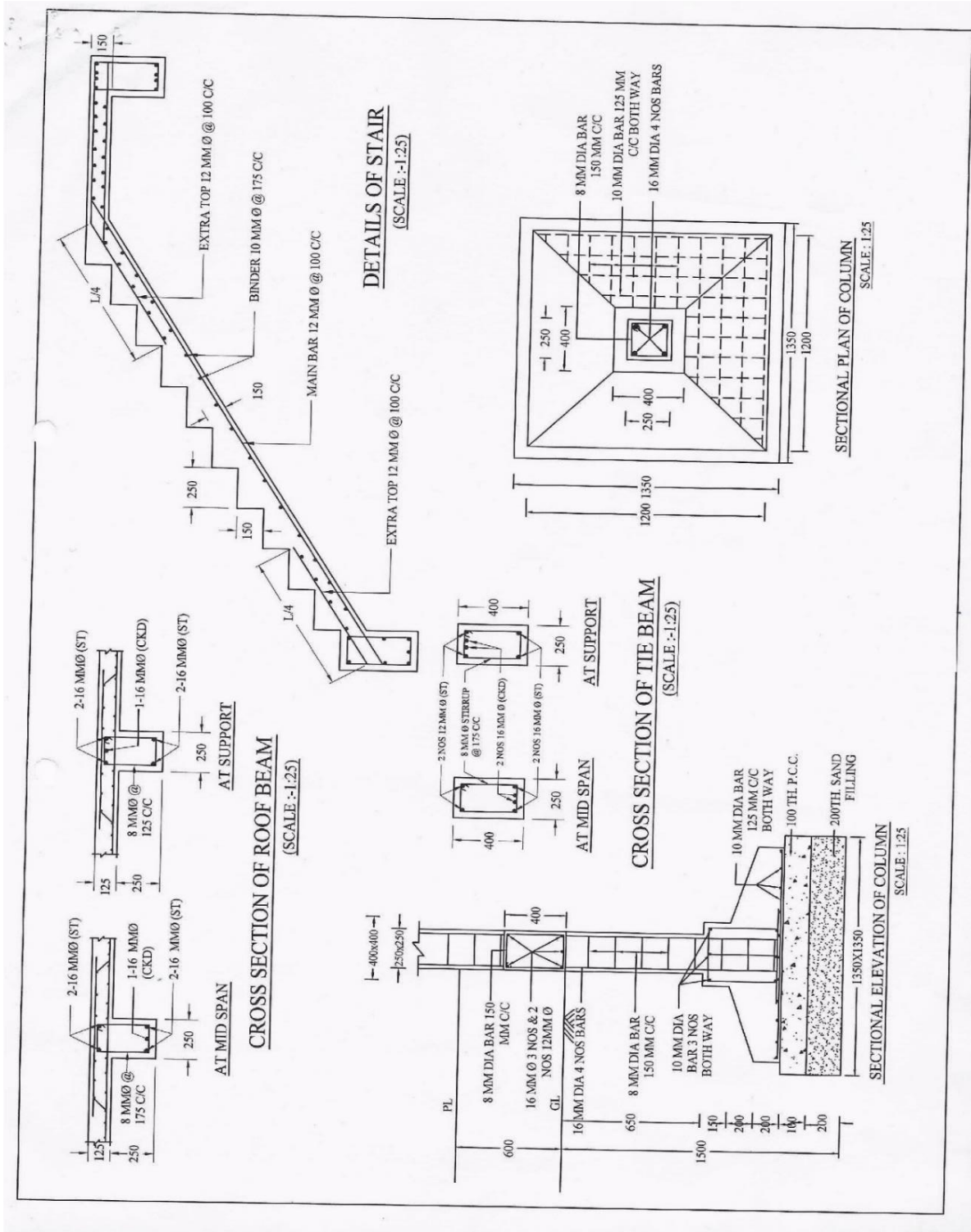


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(Drawing 2 of 3)



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(Drawing 3 of 3)

