

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 FABRICATION & SUPPLY OF WATER TENDER - TYPE B
(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES**

T.E No.052/SAL/PUR/2022-23 dated 06/01/2023

OPEN TENDER ENQUIRY (OTE)/NATIONAL COMPETITIVE BIDDING (NCB)**Standard Bidding Document (SBD)****TENDER ENQUIRY No.052/SAL/PUR/2022-23****(Procurement of Goods)****Not Transferable**Website: www.brbnmpl.co.inEmail: salbonipress@brbnmpl.co.in**By Speed post / Courier service****SAL/FF/PUR/F/01/08**

BNM No.: / (S) 07.07.01/TE-052/2022-23	Last Date & Time for submission of tender:	07/02/2023 upto 11.30 AM
Dated: 06/01/2023	Tender Opening Date & Time:	07/02/2023 at 11.45 AM
Cost of Tender form: Rs. 1,500/-	Earnest Money Deposit (EMD) : Rs. 1,40,000/- (Exempted bidders are required to submit Bid security declaration as per Annexure: E)	

Security Classification : Non - Security (Public Safety)**TENDER DOCUMENT FOR FABRICATION & SUPPLY OF WATER TENDER - TYPE B (COMPLYING BIS 950)
WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES**This tender document contains **127** pages

The tender document is sold to:

M/s. _____

Address _____

Details of Contact person in BRBNMPL regarding this tender:

Name: Shri P.K. Biswal, Designation: Deputy General Manager - MMD

Address:

**The Sr. General Manager,
Bharatiya Reserve Bank Note Mudran (P) Limited
Salboni, Dist- Midnapore (West)
Pin- 721 132, West Bengal
Phone No. 03227-280176 & 280317
Email: salbonipress@brbnmpl.co.in**

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SAL/FF/PUR/F/01/08

OPEN TENDER ENQUIRY (OTE)/NATIONAL COMPETITIVE BIDDING (NCB)**Section I: Notice Inviting Tender (NIT)****Bharatiya Reserve Bank Note Mudran (P) Limited****Salboni, Dist. - Midnapore (West)****Pin- 721 132, West Bengal****Phone No. 03227-280176 & 280317; Fax: 03227-280744; 03227-280222****Website: www.brbnmpl.co.in Email: salbonipress@brbnmpl.co.in**

Tender No.052/SAL/PUR/2022-23

DATE: 06/01/2023

**TENDER FOR FABRICATION & SUPPLY OF WATER TENDER - TYPE B (COMPLYING BIS 950)
WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES**

1. Sealed tenders are invited from eligible and qualified tenderers for supply, installation, Commissioning, Training and Performance Testing of following goods and services:

Schedule Nos.	Brief Description of Goods / Category	Quantity with UOM	Earnest Money Deposit
I	FABRICATION & SUPPLY OF WATER TENDER - TYPE B (COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES [[As per List of Requirements in Section VI & detailed specifications attached in Section - VII]]	01 No.	Rs. 1,40,000 (Please refer SIT – Section : III, Sl. No. 9 for GIT Clause No. 18 for details)

Type of Tender (Two Bid / PQB / EOI / RC / Development / Indigenization / Disposal of Scrap / Security item etc.)	Two Bid System (Part-I Techno-commercial bid and Part-II Financial/Price Bid)
Date of Sale of tender documents	From 06/01/2023 to 06/02/2023 during office hours
Price of the Tender Document	Rs. 1,500/- (inclusive of applicable Taxes)
Place of sale of tender documents	Purchase Section, Bharatiya Reserve Bank Note Mudran (P) Limited, Note Mudran Nagar, Salboni 721132 (OR) Can be downloaded from our website www.brbnmpl.co.in
Closing date and time for receipt of tenders	07/02/2023 at 11.30 hours
Place of receipt of tenders	Administrative Building, Bharatiya Reserve Bank Note Mudran (P) Limited, Note Mudran Nagar, Salboni 721132.
Time and date of opening of tenders	07/02/2023 at 11.45 hours
Place of opening of tenders	Administrative Building, Bharatiya Reserve Bank Note Mudran (P) Limited, Note Mudran Nagar, Salboni 721132.
Nominated Persons / Designation to Receive Bulky Tender (Clause 21.1 of GIT)	Dy. General Manager (MMD)/Asst. General Manager (MMD) Bharatiya Reserve Bank Note Mudran (P) Limited, Note Mudran Nagar, Salboni 721132.

2. Interested tenderers may obtain further information about this requirement from the above office selling the documents. They may also visit our website mentioned above for further details.

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3. Tender documents may be purchased on payment of **non-refundable fee of Rs. 1,500/-** (Rupees One Thousand Five Hundred Only) per set through :-
- Account Payee Demand Draft / Banker's cheque drawn from any branch of SBI in India, in favour of Bharatiya Reserve Bank Note Mudran (P) Limited, payable at State Bank of India, Note Press Branch (Branch Code No: 3558), Salboni, P.O.-R.B.N.M.L., PIN-721132, Dist-West Midnapore, West Bengal. If drawn from any branch of SBI in India. If drawn from any other scheduled Commercial Bank in India, it should be payable at Midnapore.
 - 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) Limited
Name & Address of the Beneficiary	P.O.-R.B.N.M.L., BRBNMPL, Salboni-721132, Dist-West Midnapore, West Bengal
Bankers Name & Branch Address	State Bank of India, Note Press Branch, Salboni, P.O.- R.B.N.M.L., PIN-721132, Dist-West Midnapore, West Bengal
Account Type and Number	Cash Credit/ 11678747799
IFSC Code /MICR Number	IFSC Code: SBIN0003558 / 721002804

- 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 (b) and (c) 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.

- If requested, the tender documents will be mailed by registered post / speed post to the domestic tenderers and by international courier to the foreign tenderers, for which extra expenditure per set will be Rs.500/- for domestic post and Rs.5000/- for international courier. The tenderer is to add the applicable postage cost in the non-refundable fee mentioned in Para 3 above.
- Tenderer may also download the tender documents from the web site and submit its bid by utilizing the downloaded document.
- 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 address given on or before the closing date and time indicated in the Para 1 above, failing which the tenders will be treated as late and rejected.
- In the event of any of the above mentioned dates being declared as a holiday / closed day for the purchase organization, the tenders will be sold / received / opened on the next working day at the appointed time.
- The tender documents are not transferable.

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9. The eligible bidder shall be selected as per the eligibility criteria mentioned in Section IX of the tender and Tender shall be finalized on **Overall Lowest L1 bidder** from eligible bidders as per Section XI. **Not Quoting / Mentioning in all items of Price Schedule are liable for rejection.**
10. BRBNMPL reserves the right to Cancel the tendering Process / Reject all Bids / Re-tender without assigning any reason thereof. BRBNMPL also reserves the right to accept the Bid in whole or in part. Incomplete Bid documents submitted not in accordance with the directions issued shall be liable for rejection.
11. 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.
12. **Relaxations, exemptions and other conditions for Central Purchase Organization (CPO), Micro and Small Enterprises (MSEs) Order 2012 for MSEs & Start-ups; Public Procurement (Preference to Make India) Order 2017:**

The tenderers who are currently registered and shall continue to **remain registered during the tender validity period** with Central Purchase Organization (CPO) or as a Micro and Small Enterprise (MSE) as defined in MSEs Order 2012 issued by Ministry of Micro, Small and Medium Enterprises (MSME) or as a Start-up as recognized by Department for Promotion of Industry and Internal Trade (DPIIT), are exempted from payment of **Tender Fee** and **Earnest Money Deposit**. In case the tenderer falls in these categories, it should furnish certified copy of its valid registration details (registration as a MSE or Start-up, as the case may be).

No exemption will be given for depositing of security deposit (SD) to any DIC / SSI / MSME / NSIC / Start-up registered firm.

BRBNMPL reserves the right to grant preferences to eligible bidders under various Government Policies/directives (policies relating to Make in India; MSME; Start-ups etc.). Bidders are advised to refer the following for relaxations, exemptions and other conditions of Public Procurement Policy: -

Annexure-1: Salient Features of 'Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012'; Conditions for Micro and Small Enterprises (MSEs).

Annexure-2: Conditions for Start-Up Companies

Annexure-3: Salient Features of *Revised* 'Public Procurement (Preference to Make In India) Order, 2017'

Annexure-4: Procedure to be adopted when the Bidder qualifies as both MSE and Class-I Local Supplier.

13. **Guidelines for filling two-part tender:**
 - (a) **Part I:** First sealed cover should contain the required EMD Amount / Bid Security Declaration form as per Annexure – E, cost of tender form, technical offer (catalogue/brochure/specifications etc.), tender document including corrigendum pages (if any); supportive documents related to eligibility criteria, tax related documents etc. along with ALL annexures of this tender **except Section XI (Price Schedule)**. All the pages included as Tender Document should be legible, neatly numbered and signed by authorized person with official seal of the Firm as acceptance of the terms and conditions. Offers with Counter Conditions are liable for rejections. This first sealed cover should be clearly super-scribed with **"Part I - Technical Bid - Tender Enquiry No. 052/SAL/PUR/2022-23 dated 06/01/2023 for "FABRICATION & SUPPLY OF WATER TENDER - TYPE B (COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES" at BRBNMPL, Salboni as per Section VI: List of requirement"**. Bid containing any price indication in the Technical Bid will be summarily rejected.
 - (b) **Part II:** Second sealed cover should contain only Section XI (Price Schedule) (duly sealed and signed). Format provided in the tender document for price schedule should be followed and any other format will be liable for rejection. This second sealed cover should be clearly super-scribed with **"Part II - Price Bid - Tender Enquiry No. 052/SAL/PUR/2022-23 dated 06/01/2023 for "FABRICATION & SUPPLY OF WATER TENDER - TYPE B (COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES" at BRBNMPL, Salboni as per Section VI: List of requirement"**.

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- (c) The above mentioned sealed covers (Part I & II) should be put in another big cover, sealed and super-scribed as **"Offer Tender Enquiry No. 052/SAL/PUR/2022-23 dated 06/01/2023 for FABRICATION & SUPPLY OF WATER TENDER - TYPE B (COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES" at BRBNMPL, Salboni as per Section VI: List of requirement** with due date of opening as **07/02/2023** and should be addressed to 'The Sr. General Manager, BRBNMPL, Note Mudran Nagar, Salboni-721132.
14. **Price:** Prices shall be quoted in Indian Rupees only. The quoted rate should be on the basis of delivery at our site (F.O.R. General Stores, BRBNMPL, Salboni) including Installation, Commissioning, Training and Performance Testing and the Basic Rate, GST, Packing & Forwarding Charges, Freight, Discounts, Insurance (if any), etc. should be clearly indicated in your offer. The price quoted should remain firm and valid till completion of delivery of full quantity as per the schedule specified in our Purchase order. The break- up of various components of total cost should be given as per the enclosed format at Section-XI - Price Schedule and summarised as follows : section
- (i) **Table – A :** Quote for **Chassis and Fabrication including Accessories (59 types)** as per **Appendix – A** in Section – VII.
- (ii) **Table – B :** Quote for **Advanced Firefighting Ancillaries** as per **Appendix – B to G** in Section – VII.
- (iii) **Table – C :** **Grand Total Cost** of Table – A and Table – C of Price Schedule – XI for **deciding L-1**.
- (iv) **Table – D :** **Rate** for Statutory Charges (**Not Counting for Deciding of L – 1**).
- The unloading shall be taken care by BRBNMPL.**
15. **EMD:** Please refer SIT – Section : III, Sl. No. 9 for GIT Clause No. 18 for details.
16. **Product Catalogue/Brochures:** Catalogue giving the complete technical details of the product offered should be enclosed along with the tender documents without fail.
17. **Authorization Certificate:** Tenderers have to submit Authorization /Dealership Certificate from Distributor/Manufacturer along with the bid, else offer is liable to be rejected.
18. **Delivery Terms :** As per section-VI-List of requirements.
- However, BRBNMPL, Salboni reserves the right to cancel / discontinue the contract / order at any point of time, without assigning any reason thereof.
19. **Pre-Dispatch Inspection / Sample : Three (03) stages inspection** shall be carried out at fabricator's site before before dispatch. The successful tenderer must inform in advance about the readiness of the item before each stage.
- Please refer section-VI-List of Requirements and section-VII- Technical Specifications for details.
20. **Installation & Commissioning:** As per section-VII- Technical Specifications.
21. **Warranty: One (01) Year warranty** from date of Acceptance of Water Tender.
- Please refer GCC clause 16 under Section IV and "Technical Specifications "under Section VII.**
- Cost for the above should be included in your Quote.**
22. **Payment Terms: No Advance Payment shall be made.**
- Please refer SCC – Section : V, Sl. No. 10 for GIT Clause No. 22 for details.
23. **Security Deposit (SD)/ Performance Security: No Relaxation for bidder of any Stature.,**
- Please refer SCC – Section : V, Sl. No. 3 for GIT Clause No. 6 for details.
24. **Bank charges:** Bank charges on DD, Online Bank Transfer through RTGS/NEFT or Other Electronic Modes of Payment towards Tender form, EMD and performance security to be borne by the bidder/supplier only.
25. 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

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in support of meeting the Pre-Qualification Criteria. In case the bidder fails to submit any document or submits incomplete documents within the given time, the bidder's tender will be rejected.

26. The tenderer shall satisfy BRBNMPL that they are competent and authorized to submit tender and/or to enter into a legally binding contract with the BRBNMPL
27. BRBNMPL reserves the right to complete the evaluation based on the details furnished with the bid without seeking any additional information. BRBNMPL reserves the right to accept or reject or cancel the lowest or any other Tender Offer without assigning any reason thereof.
28. A Tender is also liable for rejection in the following circumstances:
 - **Non-submission EMD / "Bid Security Declaration" in Company Letterhead** as per Annexure – E in lieu of EMD.
 - Does not fulfil minimum pre-qualification criteria as per the Tender Documents.
 - Submits the tender late i.e. after due date and time.
 - 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.
 - Price should be quoted exactly as per the format given in Annexure – XI.
 - Bidders who have been blacklisted /debarred by BRBNMPL or any PSU or any Government Departments and stands blacklisted /debarred as on tender opening date are not eligible to participate in this tender
29. Self-certified copies (with seal of firm) of this **Tender document, corrigendum if any** along with other **documents mentioned in the tender** are to be submitted along with the Bid.
30. No counter conditions shall be accepted.
31. **Bidders to Sign & Seal and write Page Nos. on each page of tender documents submitted.**
32. Offers submitted not in line with the above guidelines shall be liable for rejection.
33. 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.

Yours faithfully,
For & on behalf of BRBNMPL

Deputy General Manager (MMD)
Bharatiya Reserve Bank Note Mudran (P) Ltd.,
(Wholly owned Subsidiary of Reserve Bank of India)
RBNML (PO), Salboni – 721 132.
Phone: 03227 – 280317/280176

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T.E No.052/SAL/PUR/2022-23 dated 06/01/2023

Section II: General Instructions to Tenderer (GIT)

Part I: General Instructions Applicable to all Types of Tenders **A PREAMBLE**

1. Introduction

1.1 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 etc., Procurement of Services etc. Therefore the construction of all clauses are 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.

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

This invitation for tenders is open to all suppliers who fulfil the eligibility criteria specified in these documents. Please refer to Section IX: Qualification / Eligibility Criteria.

4. Eligible Goods and Services

All goods and related services to be supplied under the contract shall have their origin in India or other countries, subject to any restriction imposed in this regard in Section III (SIT). The term "origin" used in this clause means the place where the goods are mined, grown, produced or manufactured or from where the related 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)

Part I: General Instructions applicable to all types of tenders

Part II: Additional General Instructions applicable to specific types of tenders

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

8. Section VIII: Quality Control Requirements

9. Section IX: Qualification / Eligibility Criteria

10. Section X: Tender Form

11. Section XI: Price Schedule

12. Section XII: Questionnaire

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: Shipping Arrangements for Liner Cargoes

A: In respect of CFR, CIF, Turnkey/F.O.R. contracts for import

B: In respect of FOB/FAS contracts for import

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

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.

9. Clarification of Tender Documents

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 not later than twenty one days (unless otherwise specified in the SIT) 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 The tender to be submitted by Tenderer shall contain the following documents, duly filled in, as required:

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 FABRICATION & SUPPLY OF WATER TENDER - TYPE B (COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES

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a. Tender Form and Price Schedule along with list of deviations (ref Clause 19.4) from the clauses of this SBD, if any.

b. 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.

c. 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 17.3 of GIT).

d. Earnest money furnished in accordance with GIT clause 18.18.1 alternatively, documentary evidence as per GIT clause 18.2 for claiming exemption from payment of earnest money. and

e. Questionnaire as per Section XII.

f. Manufacturer's Authorization Form (ref Section XIV, if applicable)
NB: The tenderers may also enclose in their tenders, technical literature and other documents as and if considered necessary by them.

10.2 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) If reimbursement of Goods and Services Tax is intended as extra over the quoted prices, the supplier must specifically say so also indicating the rate, quantum and nature of the tax applicable. In the absence of any such stipulation, it will be presumed that the prices quoted are firm and final and no claim on account of Goods and Services Tax will be entertained after the opening of tenders.

b) If a Tenderer chooses to quote a price inclusive of Goods and Services Tax and also desires to be reimbursed for variation, if any, in the Goods and Services Tax during the time of supply, the tenderer must clearly mention the same and also indicate the rate and quantum of Goods and Services Tax included in its price. Failure to indicate all such details in clear terms may result in statutory variations being denied to the tenderer.

c) Subject to sub clauses 12.8 (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.

12.9 Goods and Services Tax...contd...

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.

12.10 Goods and Services Tax...contd...

i) The tenderer should quote the exact percentage of GST that they will be charging extra.

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ii) While quoting the rates, tenderers should pass on (by way of reduction in prices) the input tax credit that would become available to them by switching over to the new system of GST from the existing system of tax, duly stating the quantum of such credit per unit of the item quoted for.

iii) The tenderer while quoting for tenders should give the following declaration:

"We agree to pass on such additional input tax credit as may become available in future in respect of all the inputs used in the manufacture of the final product on the date of supply under the GST scheme by way of reduction in price and advise the purchaser accordingly."

iv) The supplier while claiming the payment shall furnish the following certificate to the paying authorities:

"We hereby declare that additional input tax credit to the tune of Rs. has accrued and accordingly the same is being passed on to the purchaser and to that effect the payable amount may be adjusted."

12.11 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.

12.12 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.

12.13 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.

12.14 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.

12.14.1 For transportation of imported goods offered from abroad, relevant instructions as incorporated under GCC Clause 11 shall be followed.

12.14.2 For insurance of goods to be supplied, relevant instructions as provided under GCC Clause 12 shall be followed.

12.14.3 Unless otherwise specifically indicated in this tender document, the terms FOB, FAS, CIF etc. for imported goods offered from abroad, shall be governed by the rules & regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris

12.14.4 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

Principal manufacturers/OEMs, manufacturers under license or their authorized Dealers/ Distributors/ Representatives who are exclusively appointed by the principal manufacturers/OEMs to

represent them in the country shall be eligible to apply or to take part in the bid. One Principal manufacturer/OEM can authorize only one Dealer/ Distributor/Representative for a particular tender. Similarly, one authorized Dealer/ Distributor/Representative can represent only one Principal manufacturer/OEM in a particular tender. There can be only one bid from either: -

1. The Principal manufacturer/OEM directly; or
2. Any of its branch/division/subsidiary; or
3. Authorized Dealer/Distributor/Representative on behalf of the Principal manufacturer/OEM

Note

(i) In a tender, either the Principal manufacturer/OEM or its authorized dealer/ distributor/ representative can bid but both cannot bid simultaneously in the same tender.

(ii) In case the bidder is an authorized Dealer/Distributor/Representative, except in case of Commercially-Off-the-Shelf (COTS) items, then

(a) the bidder should have been associated as authorised dealer/ distributor/representative of the same or other Principal Manufacturer/OEM 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 31st March (or any other year ending followed in relevant country) of the previous financial year; and

(b) the principal manufacturer/OEM should furnish a legally enforceable tender-specific authorisation in the prescribed form (Section XIV of SBD) assuring full guarantee and warranty obligations as per the general and special conditions of contract and to abide by other tender terms and conditions. The letter of authorisation should be signed by a person competent and having the power of attorney to legally bind the manufacturer; and

(c) the principal manufacturer/OEM should meet all the pre-qualification criteria without exemption.

(iii) For commercially off the shelf (COTS) items with clear and standard specifications, a valid dealership certificate will have to be submitted.

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 refixed / extended, ERV will not be admissible, if this is due to default of the supplier.

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14.7 Documents for claiming ERV:

- i. A bill of ERV claim enclosing working sheet
- ii. Banker's Certificate/debit advice detailing FE paid and exchange rate
- iii. Copies of import order placed on supplier
- iv. 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 10, the tenderer shall furnish, as part of its tender, relevant details and documents establishing its eligibility to quote and its qualifications to perform the contract if its tender is accepted.

16.2 The documentary evidence needed to establish the tenderer's qualifications shall fulfil the following requirements:

- a) In case the tenderer offers to supply goods, which are manufactured by some other firm, the tenderer has been duly authorized by the goods manufacturer to quote for and supply the goods to BRBNMPL. The tenderer shall submit the Manufacturer's Authorization Letter to this effect as per the standard form provided under Section XIV in this document.
- b) The tenderer has the required financial, technical and production capability necessary to perform the contract and, further, it meets the qualification criteria incorporated in the Section IX in these documents.
- c) In case the tenderer is not doing business in India, it is / will be duly represented by an authorized Dealer/Distributor/Representative stationed in India fully equipped and 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 Goods' Conformity to Tender document

17.1 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.

17.2 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.

17.3 If a tenderer furnishes wrong and/or misguiding 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(d) 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 23.23.2 below.

18.2 The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with Central Purchase Organisation or as a Micro and Small

Enterprise (MSE) as defined in MSEs Order 2012 issued by Ministry of Micro, Small and Medium Enterprises (MSME) or as a Start-up 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 CPO or as a MSE or as a Start-up, 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.

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) Account Payee Demand Draft from any scheduled commercial bank in India or
- b) Banker's cheque from any scheduled commercial bank in India or
- c) Online Bank Transfer (Proof of online transfer to be submitted)
- d) 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)

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 Rs.5 lakh and in case of foreign bidders in GTE/ICB tenders (in equivalent foreign exchange amount)

18.5 The earnest money shall be valid for a period of forty-five days beyond the validity period of the tender.

18.6 Unsuccessful tenderers' earnest monies will be returned to them without any interest whatsoever within 15 days of determination of the tenderers as unsuccessful after opening of Price Bid.

The successful bidder's bid security (EMD) can be adjusted against the SD or returned as per the terms of the tender document. The balance can be deducted from the supplier's bill/invoice before release of payment. Unlike Procurement of Works, in Procurement of Goods, the concept of taking part of Performance Guarantee as money retained from first or progressive bills of the supplier is not acceptable.

18.7 Earnest money of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender. The successful tenderer's earnest money will be forfeited if it fails to furnish the required performance security within the specified period.

19. Tender Validity

19.1 If not mentioned otherwise in the SIT, the tenders shall remain valid for acceptance for a period of 90 days (Ninety days) in case of single bid tender system and 120 days in case of two-bid system after the date of tender opening prescribed in the tender document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.

19.2 In exceptional cases, the tenderers may be requested by BRBNMPL to extend the validity of their tenders up to a specified period. Such request(s) and responses thereto shall be conveyed by surface mail or by fax/email/ telex/cable followed by surface mail. The tenderers, who agree to extend the tender validity, are to extend the same without any change or modification of their original tender and they are also to extend the validity period of the EMD accordingly.

19.3 In case the day up to which the tenders are to remain valid falls on/ subsequently declared a holiday or closed day for BRBNMPL,

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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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

20.4 Unless otherwise mentioned in the SIT, a tenderer shall submit two copies of its tender marking them as "Original" and "Duplicate".

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 For purchasing capital equipment, high value plant, machinery etc. of complex and technical nature, tender document will seek quotation in two parts (Two Bid System) - first part 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 25.24.4 below. Further details would be given in SIT, if considered necessary.

20.9 If permitted in the SIT, the tenderer may submit its tender through e-tendering procedure.

D SUBMISSION OF TENDERS

21. Submission of Tenders

21.1 Unless otherwise specified, the tenderers are to deposit the tenders in the tender box kept for this purpose at a place as indicated in para 1 of NIT. 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 clause 1 of 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.

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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.

c) Tender validity is shorter than the required period.

d) Required EMD has not been provided 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) Tenderer has not agreed to give the required performance security.

g) Goods offered are sub-standard, not meeting the required specification etc.

h) Tenderer has not agreed to essential condition(s) specially incorporated in the tender enquiry.

i) 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 / speed post etc. asking the tenderer to respond by a specified date. If the tenderer does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be ignored.

28. Discrepancy in Prices

28.1 If, in the price structure quoted by a tenderer, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless BRBNMPL feels that the tenderer has made a mistake in placing the decimal point in the unit price, in which case the total price as quoted shall prevail over the unit price and the unit price corrected accordingly.

28.2 If there is an error in a total price, which has been worked out through addition and / or subtraction of subtotals, the subtotals shall prevail and the total corrected; and

28.3 If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail, subject to sub clause 28.1 and 28.2 above.

28.4 If, as per the judgment of BRBNMPL, there is any such arithmetical discrepancy in a tender, the same will be suitably conveyed to the tenderer by registered / speed post. If the tenderer does not agree to the observation of BRBNMPL, the tender is liable to be ignored.

29. Discrepancy between original and copies of Tender

In case any discrepancy is observed between the text etc. of the original and that of other copies of the same tender set, the text etc. of the original shall prevail. Here also, BRBNMPL will convey its observation suitably to the tenderer by registered / Speed post and,

if the tenderer does not accept BRBNMPL's observation, that tender will be liable to be ignored.

30. Clarification of Bids

During evaluation and comparison of bids, purchaser may, at its discretion ask the bidder or clarification of its bid. The clarification should be received within 7 days from the bidder from date of receipt of such request. The request for clarification shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted. No post bid clarification at the initiative of the bidder shall be entertained.

31. Qualification / Eligibility Criteria

Tenders of the tenderers, who do not meet the required qualification / eligibility criteria prescribed in Section IX, 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 As per policies of the Government from time to time, the purchaser reserves its option to give price preference to Micro & Small Scale Industries in comparison to the large scale Industries. This price preference cannot however be taken for granted and every endeavour need to be made by such firms to bring down cost and achieve competitiveness.

35.4 If the tenders have been invited on variable price basis, the tenders will be evaluated, compared and ranked on the basis of the position as prevailing on the day of tender opening and not on the basis of any future date.

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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.

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 exceptional circumstances under the following 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 rejudged 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). If this is foreseen at the time of Tendering, a clause would be included in SIT giving further details.

44. Serious Misdemeanours

44.1. Following would be considered serious misdemeanours:

- i. Submission of misleading / false / fraudulent information/ documents by the bidder in their bid
- ii. Submission of fraudulent / un-encashable Financial Instruments stipulated under Tender or Contract Condition.
- iii. Violation of Code of Ethics laid down in Clause 32 of the GCC.
- iv. Cartel formation or quotation of Pool / coordinated rates leading to "Appreciable Adverse Effect on Competition" (AAEC) as identified under the Competition Act, 2002.
- v. Deliberate attempts to pass off inferior goods or short quantities.
- vi. Violation of Fall Clause by Rate Contract holding Firms.
- vii. Attempts to influence BRBNMPL's Decisions on scrutiny, comparison, evaluation and award of Tender.

44.2. Besides, suitable administrative actions, like rejecting the offers or delisting of registered firms, BRBNMPL would ban / blacklist Tenderers committing such misdemeanour, including declaring them ineligible to be awarded BRBNMPL contracts for indefinite or for a stated period.

45. Notification of Award

45.1 Before expiry of the tender validity period, BRBNMPL will notify the successful tenderer(s) in writing, by registered / speed post or by fax / email / telex / cable (to be confirmed by registered / speed post) 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 / speed post.

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 / speed post.

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 in terms of GIT clauses 45 and 46 above shall make the tenderer liable for forfeiture of its EMD and, also, for further sanctions 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 In addition to GIT in Part I above, following GIT will be applicable to rate contract Tenders:

- i. Earnest Money Deposit (EMD) is to be furnished by unregistered bidders only.
- ii. In the Schedule of Requirement, no commitment of quantity is mentioned; only the anticipated requirement is mentioned without any commitment.
- iii. BRBNMPL reserves the right to conclude more than one rate contract for the same item.
- iv. Unless otherwise specified in SIT, the currency of a Rate Contract would normally be for one year.
- v. During the currency of the Rate Contract, BRBNMPL may withdraw the rate contract by serving suitable notice. The prescribed notice period is generally thirty days.
- vi. During the currency of the Rate Contract, BRBNMPL would have the option to renegotiate the price with the rate contract holders.
- vii. During the currency of the Rate Contract, in case of emergency, BRBNMPL may purchase the same item through ad hoc contract with a new supplier.
- viii. Usually, the terms of delivery in rate contracts are FOR dispatching station.
- ix. 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 nominated Direct Demanding Officers (DDO) for obtaining supplies through the rate contract.
- x. 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.
- xi. The rate contract will be guided by "Fall Clause" as described below.

50.2 Fall Clause

If the rate contract holder reduces its price or sells or even offers to sell the rate contracted goods, following conditions of sale similar to those of the rate contract, at a price lower than the rate contract price, to any person or organization during the currency of the rate contract, the rate contract price will be automatically reduced with effect from that date for all the subsequent supplies under the rate contract and the rate contract amended accordingly. 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 drawal 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

51.1 Prequalification Bidding is for short listing of qualified Bidders who fulfil the Prequalification criteria 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 tender. Initially the first Packet 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.

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.

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ii. Development of new items or Indigenization of Imported stores
53.2 The qualification / eligibility criteria required and the format of submission of such Data would be indicated in the Section IX - "Qualification Criteria" in the SBD.

53.3 Objectives and scope of requirement would be indicated in the Section VI - "List of Requirements" in the SBD. Indicative quantity required yearly and its future requirements would also be indicated.

53.4 In case of EOI for Development of new Items or for Indigenization, prospective firms would be given opportunity to inspect the Machine / Item at the place of installation at the place, dates and Time mentioned in SIT.

53.5 In case EOI is for registration of vendors, Registration Fees and validity period of registration would be detailed in the SIT.

53.6 Short List of Suppliers: The suppliers shall be evaluated for short listing, inter-alia, based on their past experience of supplying goods in similar context, financial strength, technical capabilities etc. Each supplier will be assigned scores based on weightages assigned to each of the criteria mentioned in the Section IX - "Qualification Criteria" in the SBD.

53.7 If stipulated in the SIT, the Firm's capacity and Capability may be assessed by a nominated Committee or by a third party nominated by BRBNMPL.

53.8 All suppliers who secure the minimum required marks (normally 50% unless otherwise specified in the Section IX) would be short listed. Section IX may alternatively specify minimum qualifying requirement for each of the criteria i.e. minimum years of experience, minimum number of assignments executed, minimum turnover etc. Under such circumstances, all suppliers who meet the minimum requirement, as specified, will be short listed.

53.9 In case of EOI for registration of vendors, registration letters would be issued to the short listed tenderers.

53.10 In case of EOI for development / indigenization, these shortlisted tenderers would only be allowed to participate in the subsequent development/ indigenization tenders.

54. Tenders for Disposal of Scrap

54.1 Introduction: The tender is for Sale of Scrap material lying at various locations. Details of scrap for sale including Description, Present Condition, Lot Size and its Location would be given in the Section VI - "List of Requirements".

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

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

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

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

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

the BRBNMPL on account of such termination of the contract or variation in the quantity.

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

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

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

54.3 Submission of Offer

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

54.3.2 The BRBNMPL reserves right to reject any offer without assigning any reason there for.

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.

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

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

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

54.4 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

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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 in clause 3 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 / cutup 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 +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.

Yours faithfully,**()****Signature with date.****Name:****Seal**

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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,	Indian Origin only. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. The Competent Authority for registration will be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT), GoI.
3	4	Eligible Goods & Services (Origin of Goods).	Applicable. In addition, 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, in case a bidder has proposed to supply finished goods procured directly / indirectly from the vendors from the countries sharing land border with India, such vendor will be required to be registered with the Competent Authority. The Competent Authority for registration will be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT), GoI.
4	8	Pre-bid Conference	NOT APPLICABLE
5	11.2	Tender Currency	Indian Rupees only.
6	12.8	GST	I) Wherever applicable bidder shall quote the exact Tax percentage F.O.R. 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 incorrect HSN Code will be borne by Supplier. BRBNMPL will not be responsible for any ambiguities arising for 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" on the date of bid opening, it's 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 the time bidder/contractor/service provider furnishes the GST clearance certificate issued by the appropriate authority to BRBNMPL.

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7	12.11	Applicability of Octroi and Local taxes	No change, only firm price to be quoted.
8	14	Firm Price / Variable Price	The quoted rate should remain firm and fixed for the supply during the contract period without any escalation whatsoever (except Statutory Payments like GST against submission of documentary evidence) from the date of opening of the Commercial Bid and the supplies should be made as per our delivery schedules/purchase orders placed on you time to time.
9	18	EMD	EMD of Rs. 1,40,000/- EMD is payable in the same way as mentioned for Tender fee (For mode of payment, please refer point No. 03 of NIT) and also attach proof of EMD. However, exempted bidders are required to submit "Bid Security declaration" in the Company's letterhead as per Annexure E along with your bid.
10	19	Tender Validity	120 days
11	20	Signing & Sealing of Tender 20.4. Number of Copies of Tenders to be submitted 20.9: E procurement:	No Change. 20.4 No. of copies- One 20.9 E procurement: Not permitted
12	24.4	Opening of Tenders	Price bids of only those bidders who qualify in the Techno-Commercial Bid (Part-I) will be opened.
13	31	Qualification / Eligibility Criteria	No Relaxation for bidder of any Stature. Note: This tender falls under the category of procurement of items/services related to public safety, health, critical security operations and equipment, etc. [Ref. Sl.No.8 of Annexure-1 & Sl.No.5 of Annexure-2] No proof of supply to other countries or proof of export is required.
14	33	Schedule-wise Evaluation.	The Tender will be finalised on the basis of overall lowest L1 quote (Table : C = Table A + Table B of Price Schedule - Section - XI) and as per other terms & conditions of the tender. Hence, Bidder must quote for all the items mentioned in the schedule, otherwise the offer will be liable for rejection.
15	35.2, 35.3	Additional Factors and Parameters for Evaluation and Ranking of Responsive Tenders	35.2 As specified. Prospective bidders should meet our tender conditions as well as the proposed services/ material should meet our required Specifications at Section VII. 35.3 Price bid evaluation will be subject to purchase preference to MSE's and Class - I Local Suppliers as per guidelines [Refer Annexure -1, Annexure -3 & Annexure-4]. However, this Purchase Preference will be extended considering as "the tender quantity is "NON-SPLITTABLE/ NON-DIVISIBLE" in nature" . Notes: BRBNMPL reserves right to allocate the tender quantity amongst MSEs, Local Suppliers and other L1 bidders on case to case basis within the provisions of Government guidelines. 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" .

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 FABRICATION & SUPPLY OF WATER TENDER - TYPE B
(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES****T.E No.052/SAL/PUR/2022-23 dated 06/01/2023**

16	42	Variation of Quantities at the Time of Award	NOT APPLICABLE
17	45, 46, 47	Notification of Award, Issue of Contract, Non-receipt of Performance Security and Contract by BRBNMPL	a) On finalisation of Tender Notification of Award of Contract (NOA) / Letter of Intent (LOI) will be issued by BRBNMPL, Salboni to successful bidder. b) Successful Bidder shall furnish performance securities to the BRBNMPL within 21 days of issue of NOA/LOI as mentioned at Section V-SCC, Clause Sl. No. 03. c) Separate Work Order will be issued only after acceptance of NOA/LOI and after submission of Performance Security by the Bidder. d) Non-Acceptance 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). e) Delivery Schedule will be considered from the date issue of Work Order.
18	50	Rate Contract Tenders	NOT APPLICABLE
19	51	PQB Tenders	NOT APPLICABLE
20	52.2	Purchaser's Samples	NOT APPLICABLE
21	52.3	Pre-Production Samples:	NOT APPLICABLE
22	53	EOI Tenders	NOT APPLICABLE
23	54	Tenders for Disposal of Scrap	NOT APPLICABLE
24	55	Development and Indigenization Tenders	NOT APPLICABLE

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

Section IV: General Conditions of Contract (GCC)**Part I: General Conditions of Contract applicable to all types of Tenders**

1. Definitions; Interpretation and Abbreviations: In the contract, unless the context otherwise requires:

1.1 Definitions and Interpretation:

(i) "Contract" means the letter or memorandum communicating to the Contractor the acceptance of this tender and includes "Intimation of Award" of his tender; "Contract" includes Bid Invitation, Instructions to Tenderers, Tender, Acceptance of Tender, General Conditions of Contract, Schedule of Requirements, particulars and the other conditions specified in the acceptance of tender and includes a repeat order which has been accepted or acted upon by the Contractor and a formal agreement, if executed;

(ii) "Contractor" or "Supplier" means the individual or the firm supplying the goods and services. The term includes his employees, successors, authorized dealers/representatives, stockists and distributors. Other homologous terms are: Vendor, Firm, Manufacturer, OEM etc.;

(iii) "Drawing" means the drawing or drawings specified in or annexed to the Specifications;

(iv) "Government" means the Central Government or a State Government as the case may be;

(v) The "Inspecting Officer" means the person, or organisation specified in the contract for the purpose of inspection of stores of work under the contract and includes his / their authorised representative;

(vi) "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;

(vii) The "Purchaser" means BRBNMPL - the organization purchasing goods and services as incorporated in the documents;

(viii) "Signed" includes stamped, except in the case of an acceptance of tender or any amendment thereof;

(ix) "Test" means such test as is prescribed by the particulars 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;

(x) 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:

a. The consignee at his premises; or
b. Where so provided, the interim consignee at his premises; or

c. A carrier or other person named in the contract for the purpose of transmission to the consignee; or

d. The consignee at the destination station in case of contract stipulating for delivery of stores at destination station.

(xi) "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.

(xii) Words in the singular include the plural and vice-versa.

(xiii) 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.

(xiv) The heading of these conditions shall not affect the interpretation or construction thereof.

(xv) 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.

(xvi) PARTIES: The parties to the contract are the "Contractor" and the "Purchaser", as defined above;

(xvii) "Tender" means quotation / bid received from a firm / supplier.

(xviii) "Goods" means the articles, material, commodities, livestock, furniture, fixtures, raw material, spares, instruments, machinery, equipment, industrial plant etc. which the supplier is required to supply to BRBNMPL under the contract. Other homologous terms are: Stores, Materials etc.

(xix) "Services" means services allied and incidental to the supply of goods, such as transportation, installation, commissioning, provision of technical assistance, training, after sales service, maintenance service and other such obligations of the supplier covered under the contract.

(xx) "Earnest Money Deposit" (EMD) means monetary guarantee to be furnished by a Tenderer along with its tender.

(xxi) "Performance Security" means monetary guarantee to be furnished by the successful Tenderer for due performance of the contract placed on it. Performance Security is also known as Security Deposit or Performance Bank Guarantee.

(xxii) "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.

(xxiii) "Specification" or "Technical Specification" means the drawing/ document/standard that prescribes the requirement to which product or service has to conform.

(xxiv) "Inspection" means activities such as measuring, examining, testing, analysing, gauging one or more characteristics of the product or service and comparing the same with the specified requirement to determine conformity.

(xxv) "Day" means calendar day.

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
"CD"	means Custom Duty
"CIF"	means Cost, Insurance and Freight Included
"CMD"	means Chairman and Managing Director

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"CPSU"	means Central Public Sector Undertaking
"DDO"	means Direct Demanding Officer in Rate Contracts
"DGS&D"	means Directorate General of Supplies and Disposals
"DP"	means Delivery Period
"ECS"	means Electronic clearing system
"EMD"	means Earnest money deposit
"EOI"	means Expression of Interest (Tendering System)
"ERV"	means Exchange rate variations
"FAS"	means Free alongside shipment
"FOB"	means Freight on Board
"FOR"	means Free on Rail
"GCC"	means General Conditions of Contract
"GIT"	means General Instructions to Tenderers
"GST"	means Goods and Services Tax
"H1, H2 etc."	means First Highest, Second Highest Offers etc. in Disposal Tenders
"Incoterms"	means International Commercial Terms, 2000 (of ICC)
"L1, L2 etc."	means First or second Lowest Offer etc.
"LC"	means Letter of Credit
"LD or L/D"	means Liquidated Damages
"LSI"	means Large Scale Industry
"NIT"	means Notice Inviting Tenders
"NSIC"	means National small industries corporation
"PQB"	means Pre-qualification bidding
"PSU"	means Public Sector Undertaking
"PVC"	means Price variation clause
"RC"	means Rate contract
"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
"BRBNMPL"	means Bharatiya Reserve Bank Note Mudran Private Limited
"SSI"	means Small Scale Industry

2. 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.

2.3 Other Laws and Conditions that will govern the Contract: Besides GCC and SCC following conditions and Laws will also be applicable and would be considered as part of the contract:

i. Indian Contracts Act, 1872

ii. Sale of Goods Act, 1930

iii. Arbitration and Conciliation Act, 1996 read with the Arbitration and Conciliation (Amendment) Act, 2015

iv. Competition Act, 2002 as amended by Competition (Amendment Act), 2007

v. Contractor's Tender Submissions including Revised Offer during Negotiations if any

vi. Conditions in other parts of the Tender Documents

vii. Correspondence including counter-offers if any; between the Contactor and BRBNMPL during the Tender Finalization

viii. Notification of award and Contract Documents

ix. Subsequent Amendments to the Contract

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.

4. Patent Rights

4.1 The supplier shall, at all times, indemnify BRBNMPL, free of cost, against all claims which may arise in respect of goods & services to be provided by the supplier under the contract for infringement of any right protected by patent, registration of designs or trademarks. In the event of any such claim in respect of alleged breach of patent, registered designs, trademarks etc. being made against BRBNMPL, BRBNMPL shall notify the supplier of the same and the supplier shall, at his own expenses take care of the same for settlement without any liability to BRBNMPL.

5. Country of Origin

5.1 All goods and services to be supplied and provided for the contract shall have the origin in India or in the countries with which the Government of India has trade relations.

5.2 The word "origin" incorporated in this clause means the place from where the goods are mined, cultivated, grown, manufactured, produced or processed or from where the services are arranged.

6. Performance Bond / Security

6.1 Within twenty-one days after the issue of notification of award by BRBNMPL, the supplier shall furnish performance security to BRBNMPL for an amount equal to ten per cent of the total value of the contract, valid up to sixty days after the date of completion of all contractual obligations by the supplier, including the warranty obligations.

6.2 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:

a. 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 clause 3 of NIT in reference to EMD.

b. Bank Guarantee issued/confirmed by any scheduled commercial bank in India, in the prescribed form as provided in section XV of this document.

6.3 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.

6.4 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.

6.5 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.

7. Technical Specifications and Standards

7.1 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.

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:

- a) Contract number and date
- b) Brief description of goods including quantity
- c) Packing list reference number
- d) Country of origin of goods
- e) Consignee's name and full address and
- f) Supplier's name and address

9. Inspection and Quality Control

9.1 BRBNMPL and / or its nominated representative(s) will, without any extra cost to BRBNMPL, inspect and/or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. BRBNMPL shall inform the supplier in advance, in writing, BRBNMPL's programme for such inspection and, also the identity of the officials to be deputed for this purpose.

9.2 The Technical Specification and Quality Control Requirements incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to BRBNMPL's inspector at no charge to BRBNMPL.

9.3 If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, BRBNMPL's inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to BRBNMPL and resubmit the same to BRBNMPL's inspector for conducting the inspections and tests again.

9.4 In case the contract stipulates pre-despatch inspection of the ordered goods at suppliers' premises, the supplier shall put up the goods for such inspection to BRBNMPL's inspector well ahead of the contractual delivery period, so that BRBNMPL's inspector is able to complete the inspection within the contractual delivery period.

9.5 If the supplier tenders the goods to BRBNMPL's inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to BRBNMPL under the terms & conditions of the contract.

9.6 BRBNMPL's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of the fact that the goods have previously been inspected and cleared by BRBNMPL's inspector during pre-despatch inspection mentioned above.

9.7 Goods accepted by BRBNMPL and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute BRBNMPL's right to reject the same later, if found deficient in terms of the warranty clause of the contract, as incorporated under GCC Clause.

10. Terms of Delivery

10.1 Goods shall be delivered by the supplier in accordance with the terms of delivery specified in the contract.

11. Transportation of Goods

11.1 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 the Ministry of Shipping & Transport (Chartering Wing), New Delhi, INDIA, in accordance with details given in SBD Section XVIII. 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 requirements of the Ministry of Shipping & Transport, New Delhi, INDIA, indicated in the same SBD section (as applicable).

12. Insurance:

12.1 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.

12.2 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.

12.3 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.

12.4 In case of Import of Goods, even in case where the insurance is paid by the Purchaser, and loss or damage shall be made good by the Contractor free of cost, without waiting for the settlement of insurance claim. The payment after settlement of insurance claim shall be reimbursed by the Purchaser to the Contractor. It will be entirely the responsibility of the Contractor to make good loss/damage without waiting for settlement of insurance claim so that

machine is commissioned within the time specified in the contract.

13. Spare parts

13.1 If specified in the List of Requirements and in the resultant contract, the supplier shall supply / provide any or all of the following materials, information etc. pertaining to spare parts manufactured and / or supplied by the supplier:

a) The spare parts as selected by BRBNMPL to be purchased from the supplier, subject to the condition that such purchase of the spare parts shall not relieve the supplier of any contractual obligation including 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 / 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
- (d) Certificate of Origin from Seller's Chamber of Commerce
- (e) Certificate of Quality and current manufacture from OEM
- (f) Dangerous Cargo Certificate, if any.
- (g) Insurance Policy of 110% if CIP/CIF contract.
- (h) Performance Bond / Warranty Certificate

16. Warranty

16.1 The supplier warrants 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 further warrants 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 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, unless specified otherwise in the SCC.

16.3 In case of any claim arising out of this warranty, BRBNMPL shall promptly notify the same in writing to the supplier.

16.4 Upon receipt of such notice, the supplier shall, with all reasonable speed (or within the period, if specified in the SCC), 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.

16.5 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 be extended to a further period of twelve months from the date such rectified / replaced goods starts functioning to the satisfaction of BRBNMPL.

16.6 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), BRBNMPL may proceed to take such remedial action(s) as deemed fit by BRBNMPL, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which RBNMPL may have against the supplier.

17. Assignment

17.1 The Supplier shall not 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 sub-assemblies.

18.3 Sub contracts shall also comply with the provisions of GCC Clause 5 ("Country of Origin").

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, 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.

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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.

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.

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.

21.2 Further instruction, if any, shall be as provided in the SCC.

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.

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 / 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/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 its suitability is ascertained 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 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 The payment shall be made in the currency / currencies authorized in the contract.

22.6 The supplier shall send its claim for payment in writing as per Section XIX - "Proforma for Bill for Payments", when contractually due, along with relevant documents etc., duly signed with date, as specified in SCC and in a manner as also specified therein.

22.7 While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.

22.8 The important documents which the supplier is to furnish while claiming payment are:

a) Original Invoice

b) Packing List

c) Certificate of country of origin of the goods from seller's Chamber of Commerce.

d) Certificate of pre-dispatch inspection by BRBNMPL's representative / nominee

e) Manufacturer's test certificate

f) Performance / Warrantee Bond

g) Certificate of insurance

h) Clean on Bill of lading / Airway bill / Rail receipt or any other dispatch document, issued by a government agency (like postal department) or an agency duly authorized by the concerned ministry / department

i) Consignee's Certificate confirming receipt and acceptance of goods

j) Dangerous Cargo Certificate, if any, in case of imported goods.

k) Any other document specified.

22.9 While claiming reimbursement of duties, taxes Goods and Services Tax, 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 receipted 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:

(a) The supplier will make good any defect or deficiency that the consignee (s) may report within six months from the date of despatch of goods.

(b) Delay in supplies, if any, has been regularized.

(c) The contract price where it is subject to variation has been finalized.

(d) The supplier furnishes the following undertakings:

"I/We, _____ certify that It 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.

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:

a) Imposition of liquidated damages,

b) Forfeiture of its performance security and

c) 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:

a) 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

b) 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.

c) But nevertheless, BRBNMPL shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, Goods and Services Tax or any other duty or tax or levy or on account of any other grounds, 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 conditions 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. Termination for default

26.1 BRBNMPL, without prejudice to any other contractual rights and remedies available to it (BRBNMPL), may, by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods and/or services or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by BRBNMPL pursuant to GCC sub-clauses 23.3 and 23.4.

26.2 In the event of BRBNMPL terminates the contract in whole or in part, pursuant to GCC sub-clause 26.1 above, BRBNMPL may procure goods and / or services similar to those cancelled, 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.

26.3 Unless otherwise instructed by BRBNMPL, the supplier shall continue to perform the contract to the extent not terminated.

27. 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

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.

In the event, the Supplier apprehends that it is likely to go into liquidation whether on account of liquidation proceedings commenced by a third party or in the event it anticipates filing for bankruptcy, then the Supplier shall inform BRBNMPL in advance and engage with it to determine the sale and possession of BRBNMPL's software and its source code. In the event Supplier fails to do so, the third party escrow agent shall be instructed under the Escrow Agreement to release the Software and its source code to BRBNMPL as noted above.

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.

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 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 services.

30. Governing language

30.1 The contract shall be written in Hindi or English language following the provision as contained in GIT clause 2. All correspondence and other documents pertaining to the contract, which the parties exchange, shall also be written accordingly in that language.

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

BRBNMPL as well as Bidders, Suppliers, Contractors, and Consultants under BRBNMPL contracts shall observe the highest standard of ethics during the procurement or execution of such contracts. In pursuit of this policy, for the purposes of this provision, the terms set forth below are defined as follows:

- (a) "Corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;
- (b) "Fraudulent practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;
- (c) "Collusive practice" means a scheme or arrangement between two or more Bidders, with or without the

knowledge of the Purchaser, designed to establish bid prices at artificial, non-competitive levels; and

(d) "Coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract.

(e) A particular violation of ethics may span more than one of above-mentioned unethical practices.

32.1 The following policies will be adopted in order to maintain the standards of ethics during procurement:

(a) A proposal for award will be rejected if it is determined that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question.

(b) A contract will be cancelled if it is determined at any time that BRBNMPL representatives / officials have directly or indirectly, engaged in corrupt, fraudulent, collusive or coercive practices during the procurement or the execution of that contract.

(c) In case any individual staff is found responsible, suitable disciplinary proceedings should be initiated against such staff under the applicable government conduct rules. The existing provisions under the Indian law including the instructions of Central Vigilance Commission should be followed in this regard.

(d) Firms or individuals shall be banned / blacklisted after following due process, including declaring them ineligible, either indefinitely or for a stated period of time, to be awarded a BRBNMPL contract, if it at any time determines that they have, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a BRBNMPL contract.

(e) Bidders have to sign an Integrity Pact in tenders meeting the criteria of threshold value / nature of procurement. Integrity Pact format shall be included in the Bid Document as Section XX. Each page of such Integrity pact proforma would be duly signed by Purchaser's competent signatory. All pages of the Integrity Pact will have to be duly signed by the same signatory who is duly authorized to sign the bid and to make binding commitments on behalf of his company and to be submitted along with the technical bid. 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.

33. Resolution of disputes

33.1 If dispute or difference of any kind shall arise between BRBNMPL and the supplier in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations. If the parties fail to resolve their dispute or difference by such mutual consultation within twenty one days of its occurrence, then, unless otherwise provided in the SCC, either BRBNMPL or the supplier may seek recourse to settlement of disputes through arbitration as per The Arbitration and conciliation Act 1996 as per following clause.

33.2 Arbitration Clause: If both parties fail to reach such amicable settlement, then either party (the Purchaser or Seller) may within 21 days of such failure give a written

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 FABRICATION & SUPPLY OF WATER TENDER - TYPE B
(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES****T.E No.052/SAL/PUR/2022-23 dated 06/01/2023**

notice to the other party requiring that all matters in dispute or difference be arbitrated upon. Such written notice shall specify the matters which are in difference or of difference of which such written notice has been given and no other matter shall be referred to the arbitration in accordance with the conciliation and arbitration rules of International Chamber of Commerce {ICC}/United National Commission on International Trade Law (UNCITRL) by three arbitrators appointed in accordance with the procedure set out in clause below. The arbitration proceeding shall be held in Bangalore/Mysore/Kolkata 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. Venue of arbitration shall be Bangalore/Mysore/Kolkata. The arbitrator or arbitrators appointed under this article shall have the power to extend time to make the award with the consent of the parties. Pending reference to arbitration the parties shall make all endeavours to complete the contract/work in all respects and all disputes, if any, will finally be settled in the arbitration.

34. Applicable Law

34.1 The contract shall be interpreted in accordance with the laws of India.

34.2 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 notification of acceptance of the tender has been issued.

35. Secrecy

35.1 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 cash or Account Payee Demand Draft drawn on any scheduled commercial bank in India in favour of Bharatiya Reserve Bank Note

Mudran Private Limited or through Online Transfer or through other Electronic Mode of Payment as mentioned in the NIT.

36.2.2 No interest will be paid to the purchaser for the amounts paid or deposited with the BRBNMPL and subsequently found refundable to the purchaser under any of the conditions of the contract.

36.2.3 If the purchaser fails to deposit sale value for a sold lot within the allowed period as per relevant clause BRBNMPL may forfeit the security deposit. Requests for an extension of this period, made by the purchaser may be considered by the BRBNMPL and may at its discretion, on the merits of the case, allow further time not excluding 50 days from the date of the contract. Interest shall be leviable on such amount at a rate 2% per annum higher than the PLR of State Bank of India, from the date of expiry of the payment date to actual date of payment (actual date of payment inclusive).

36.2.4 The lot or lots in respect of which forfeiture has been made, shall be deemed to have been abandoned by the purchaser to all intents and purposes and may be re-sold or otherwise disposed of at the discretion of the BRBNMPL without reference to the purchaser concerned and without incurring any liability on part of BRBNMPL whatsoever in respect there under.

36.2.5 In case extension is granted by BRBNMPL and due to late payment of sale amount the delivery cannot be completed by the purchaser, in accordance with the relevant clause of Special Conditions of Tender sale, then ground rent shall also be leviable as per relevant clause of Special Conditions of Tender sale.

36.2.6 On production of proof of having made payment, nominated authority shall issue a delivery order authorizing the purchaser to take delivery of the Scrap Materials.

36.3 Deliveries, Delays and Breach of Contact

36.3.1 The Title of goods or material sold shall not be deemed to have been passed to the Purchaser / Bidder until and unless the full and final payment has been made by the purchaser, in accordance with the contract to the BRBNMPL and the authorized Officer has issued the Delivery Order in favour of the purchaser.

The materials sold may be removed from the premises only on production of the cash receipt for the payment and a delivery order from the Officer authorized by the BRBNMPL.

36.3.2 Unless specified otherwise in SIT, delivery period for lifting of material shall be within 60 days from the date of finalization of contract agreement.

36.3.3 The work of delivery will be supervised by Stock Holder or his authorized representative, representative of accounts Department and Security Staff duly authorized by BRBNMPL for the propose of delivery. Delivery will be allowed during working hours.

36.3.4 No delivery of or 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.

Yours faithfully,

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Signature with date.

Name:

Seal

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 FABRICATION & SUPPLY OF WATER TENDER - TYPE B
(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES****T.E No.052/SAL/PUR/2022-23 dated 06/01/2023****Section V: Special Conditions of Contract (SCC)**

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

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

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

Sl. No	GCC Clause No.	Topic	SCC Provision
1	1 to 4	Definitions; Interpretation and Abbreviations, Application, Use of contract documents and information, Patent Rights,	No Change
2	5	Country of Origin	Applicable. In addition, 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, in case a bidder has proposed to supply finished goods procured directly / indirectly from the vendors from the countries sharing land border with India, such vendor will be required to be registered with the Competent Authority <i>[exclusion as per Order (Public Procurement No. 2) F.No.6/18/2019-PPD, Ministry of Finance, Dept. of Expenditure, Public Procurement Division, dated 23/07/2020]</i> . The Competent Authority for registration will be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT), GoI.
3	6	Performance Security	No Relaxation for bidder of any Stature. Within twenty-one days after the issue of Notification of Award of Contract (NOA) / Letter of Intent (LOI) by BRBNMPL, the contractor shall furnish Security Deposit / Performance Security to BRBNMPL, Salboni for an amount equal to 3% of the value of the Contract / Order in line with the Govt. of India, Ministry of Finance, Office Memorandum No. F.9/4/2020-PPD, dtd 12/11/2020 and its amendment dtd. 30/12/2021. In case Security Deposit / Performance Bond to be submitted in form of Bank Guarantee, the same should be in the name of "Bharatiya Reserve Bank Note Mudran Private Limited, Salboni" and should be valid up to Sixty days after date of completion of all contractual obligations including warranty obligations . Format of Bank Guarantee (BG) as per Section – XV - Bank Guarantee Form for Performance Security. In case of failure of the contractor to execute the contract with in the contract period, the security deposit shall be forfeited Performance Security will be released without any interest after successful completion of all contractual obligations including warranty obligations .

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4	7 to 15	Technical Specifications and Standards, Packing and Marking, Inspection and Quality Control, Terms of Delivery, Transportation of Goods, Insurance, Spare parts, Incidental services, Distribution of Dispatch Documents for Clearance/ Receipt of Goods	No Change 14.Incidental services: Not Applicable
5	16.2,16.4	Warranty Clause	Warranty: One (01) Years Onsite Comprehensive warranty from the date of Acceptance, in which manufacturer agrees to repair or replace components that fail in materials or workmanship within specified warranty period. Complaints during warranty period should be attended within 24 hours from the date and time of lodging complaint. Cost for the above should be included in your Quote. For details please refer Section-VII-Specifications.
6	18	Sub-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 Competent Authority for registration will be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT).
7	19, 19.3	Modification of Contract	No change. Option Clause : Not Applicable Repeat Clause : Not Applicable
8	20.1	Price Adjustment Clause	Not applicable
9	21.2	Taxes and Duties	If the tenderer fails to include taxes and duties in the tender, purchaser will consider no claim thereafter.
10	22, 22.1, 22.2, 22.3, 22.4, 22.6	Terms and Mode of Payments	a) No Advance Payment shall be made. i. 90% Cost of Chassis (Table – A of Price Schedule) will be released after 1st Stage of Pre-Dispatch Inspection against submission of invoice and documentary evidence after procurement of the chassis by the successful bidder itself in the name of BRBNMPL. ii. Statutory Charges for Temporary Registration related COST during Purchase of Chassis shall be arranged and paid by the Supplier at the time of purchase of Chassis and same will be reimbursed by BRBNMPL, at actual, on submission of documentary evidence. Payment will be released at time of 90% Payment towards Chassis at Sl. No (i) above. iii. 10% Cost of Chassis (Table-A of Price Schedule), 100% Fabrication with Accessory (Table – B of Price Schedule) and 100% of Payment of Advance Firefighting Ancillaries (Table – C of Price Schedule) will be released after Receipt, Installation, Commissioning, Performance Testing, Training and Acceptance of Material at destination and on production of invoice and all required documents by supplier.

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			<p>iv. Statutory Charges for Permanent Registration related COST after Delivery of Water Tender at site shall be arranged and paid by the Supplier at the time of purchase of Chassis and same will be reimbursed by BRBNMPL, at actual, on submission of documentary evidence. Payment will be released at time of Final Payment at Sl. No (iii) above.</p> <p>b) Payment shall be released through RTGS/NEFT only. Bank Mandate as per our format should be submitted along with Technical Bid.</p> <p>c) Successful bidder has to submit a copy of latest GST Return along with the bill/invoice, failing which payment cannot be released</p> <p>d) Statutory Deductions as applicable shall be made from the gross bill amount. DD/RTGS/NEFT charges shall be borne by you. Bidder has to furnish the price-break-up including the tax components.</p> <p>e) Any revision (increase/decrease) in Statutory rates after opening the tender will be paid at actuals on producing the documentary evidence.</p> <p>f) Any increase in statutory duties beyond scheduled delivery is not attributable to BRBNMPL and the same will have to be borne by the supplier.</p>
11	24.1	Quantum of LD	<p>No change</p> <p>If the supplier fails to deliver any or all of the goods within the time frame (s) [delivery schedule] incorporated in the contract, BRBNMPL shall, under the contract deduct from the contract price, as liquidated damages, a sum equivalent to the 0.5% of the delivered price of the delayed goods [value of quantity for which delivery is delayed] for each week of delay or part thereof until actual delivery, subject to a maximum deduction of 10%.</p> <p>For any delay in adherence to itinerary of Delivery 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	No Change
13	32	Code of Ethics	32.1 (e) : Integrity Pact (IP) : Not Applicable
14	33,33.1,33.2	Resolution of Disputes	Clauses of 33.1 and 33.2 are applicable. At Kolkata
15	36	Disposal / Sale of Scrap by Tender	Not applicable

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

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Section VI: List of Requirements

Schedule Nos.	Brief Description of Goods /Category	Quantity	Earnest Money Deposit-EMD
I	FABRICATION & SUPPLY OF WATER TENDER - TYPE B (COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES. [specifications as mentioned in Section – VII]	01 No.	Please refer SIT – Section : III, Sl. No. 9 for GIT Clause No. 18 for details.

Scope of Supply:

The Scope of work of the Supplier includes Purchase of Chassis in the name of BRBNMPL, Fabricate, Supply, Installation, Commissioning, Training and Performance Testing of Water Tender - Type B (Complying BIS 950) with Accessories and Advanced Firefighting Ancillaries at BRBNMPL, Salboni, West Bengal-721132.

Required Delivery Schedule:

- Successful bidder should Purchase the Chassis in the name of BRBNMPL and complete the 1st Stage of Pre-Dispatch Inspection within **02 Months** from the date of Issue of **Purchase Order (PO)**.
- Fabrication of Water Tender - Type B (Complying BIS 950) with Accessories and arrangement of Advanced Firefighting Ancillaries along with completion of both 2nd and 3rd Stage of Pre-Dispatch Inspection within **05 Months** from the date of completion the 1st Stage of Pre-Dispatch Inspection.
- Supply, Installation, Commissioning, Training and Performance Testing of the Water Tender - Type B (Complying BIS 950) after Fabrication with Accessories and Advanced Firefighting Ancillaries at BRBNMPL, Salboni, Midnapore District, West Bengal-721132, shall be completed within **01 Month** from the date of completion the 3rd Stage of Pre-Dispatch Inspection.
- For any delay in adherence to itinerary of Delivery Schedule mentioned in Section VI: List of Requirements Liquidated Damage (LD) shall be levied as mentioned in Section – V Special Conditions of Contract (SCC).

Required Terms of Delivery, Destination:

F.O.R. General Stores, BRBNMPL, Salboni inclusive of delivery as per the specification and scope of work given in Schedule VII. During delivery, a copy of the Purchase Order along with Challan and Tax invoice should be available with the person accompanying the material. The vehicles carrying the material should have proper papers including valid registration / insurance of vehicle and valid license of the Driver. All security norms as applicable to be followed.

Mode of Transportation:

As desired by the bidders which should be in safe and secured manner. Items should be supplied in the original packing of manufacturer. **However, Unloading of items at General Stores shall be done by BRBNMPL.** The material is to be delivered and unloaded at our General Stores before 1600 hrs on any working day. Unloading of items at General Stores shall be done by BRBNMPL. The vehicle carrying items should reach our entry gates before 12:00 hrs.

Inspection of Material:

The Water Tender - Type B (Complying BIS 950) with Accessories and Advanced Firefighting Ancillaries is subjected to Three (03) stages Pre-dispatch Inspection at fabricator's site before before dispatch as per section-VII- However, Final Inspection of the Material will be done at BRBNMPL, Salboni.

Replacement of rejected Materials:

In case of rejection of materials, items must be replaced free of cost by the supplier within 30 days at his own risk and cost, on receiving such information from BRBNMPL.

The materials are to be supplied to the following address:

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

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Section VII : Technical Specifications

Bharatiya Reserve Bank Note Mudran (P) Ltd., a wholly owned subsidiary of Reserve Bank of India (RBI) situated at Salboni in West Bengal (approx. 150 Km. from Kolkata), intends to procure Water Tender - Type B (Complying BIS 950) with Accessories and Advanced Firefighting Ancillaries for operational usage by "Fire Wing – CISF Unit BRBNMPL, Salboni" as per details given in this Section.

I. GENERAL REQUIREMENTS :

The proposed Water Tender - Type B (Complying BIS 950) along with Firefighting Accessories and Advanced Firefighting Ancillaries are to be supplied as per under mentioned specifications, terms and conditions.

Appendix - A: Type-B Water Tender BIS- 950 with Accessories

Appendix - B: Petrol Driven Chain Saw

Appendix - C: Carbon Composite Self Contained Compressed Air Open Circuit Breathing Apparatus

Appendix - D: Non-Percolating Flexible Fire Fighting Delivery Hoses

Appendix - E: Alloy Aluminium Extension Ladder

Appendix - F: Fire Retardant Dangri / Overall

Appendix - G: Water Mist & CAF Extinguisher 09 Ltrs Capacity (Back Pack Type/High Pressure)

II. GENERAL GUIDELINE TO QUOTE IN PRICE SCHEDULE (SECTION – XI)

(i) **Table – A : Quote for Chassis and Fabrication including Accessories (59 types)** as per Appendix – A.

(ii) **Table – B :Quote for Advanced Firefighting Ancillaries** as per Appendix – B to G.

(iii) **Table – C : Grand Total Cost** of Table – A and Table – C **for deciding L-1.**

(iv) **Table – D : Rate** for Statutory Charges (**Not Counting for Deciding of L – 1**)

III. SPECIFICATIONS: Appendix - A : Type-B Water Tender BIS- 950 and List of Accessories

01	<u>SCOPE</u> Fabrications of Water Tender on TATA / Ashok Leyland / Eicher make minimum 16 Ton GVW or equivalent, minimum 4500 mm WB, BS VI or above Cowl Chassis as per specification with required accessories and equipments as per attached specifications. The water tender shall be fabricated with the best material and good workmanship, ensuring effective and efficient operation of the Tender. All wiring shall be properly fixed in position & shall be protected against heat, oil & physical damage, wherever necessary wiring shall pass through PVC sleeves. All-important electrical circuits shall have separate fuses suitably indicated and grouped in a common fuse box located in an easily accessible position. Drag Hook or eye of adequate strength & design shall be provided at the rear and front of chassis.
02	<u>GENERAL REQUIREMENTS:</u> The Water Tender shall incorporate a Fire Pump of High & Low Pressure of at least 3000 LPM of water at a pressure 7 Kg/cm ² and 300 LPM @ 35 Kg/cm ² capacity, a water tank of 6000 ltrs. Capacity made of Stainless Steel : 316, accessories (59 types) as per Serial No. – 28 of Appendix – A and various types of Advanced Firefighting Ancillaries (6 types) Serial No. – 29 of Appendix – A. The water tender shall be fabricated in such a manner so as to conform the following characteristics Gross vehicle weight : Gross Vehicle Weight shall be minimum 16 ton Maximum speed : 72 km/h (Fully Laden) The appliance shall be capable of being started from rest on a gradient 1 to 4 (Fully Laden) Acceleration : 64 km/h in 55 sec. (Fully Laden) Wheel base : Not more than 4500 mm Turning circle : Not more than 20 m Road clearance : Not more than 23 cm Over all with : Not more than 2.50 m

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The chassis shall be suitable with minimum 16 Tons GVW. Tender is proposed to be fabricated on Ashok Leyland/TATA/Eicher or any equivalent chassis. The engine fitted on the chassis shall comply with the respective emission norms in force at the time of delivery of chassis.

The chassis shall be with the following specifications.

1. Engine : Diesel engine developing not less than 150 BHP and conforming to prevalent emission norms.
2. Clutch : Single plate dry friction type hydraulically actuated.
3. Gear : Synchromesh gear box with 6 forward and 1 reverse gear.
4. Front Axle : Heavy duty, forged, 'I' beam.
5. Rear Axle : Single reduction, hypoid gears, fully floating axle shaft.
6. Steering : Integral hydraulic power assisted steering.
7. Brakes : Dual circuit fully air braking system with pneumatically operated. Brakes on rear wheels.
8. Suspension : Semi-elliptical leaf spring at front and rear with Hydraulic double acting shock absorber on front.
9. Frame : Ladder type heavy duty frame with riveted / bolted cross members.
10. Wheels and Tyre : Suitable size available in local market with minimum 16 PR – 7 Nos. (Including spare wheel).
11. Fuel Tank : Minimum 160 litres capacity.
12. Electrical system : 12/24 volts. 120 Ah capacity battery with Alternator.
13. Cowl : Standard cowl duly painted in RED colour with instrument cluster, rear view mirrors, Wiper system, original driver seat, safety belts.
14. GVW : Not less than 16000 Kgs.
15. Safety features : Anti-Lock Breaking System (ABS).

04 PUMP

4.1 The pump shall be centrifugal type, multi pressure, having output capacity of 3000 LPM at 8 K=kg/cm² and 300 LPM at 35 kgs/cm² at 3 Mtr, suction lift at NTP condition. The low-pressure side will be of single stage and the high-pressure side also with single stage having regenerative type impeller. The Pump shall be CE certified/UL listed

4.2 The pump shall comply with the following performance parameters.

- a) Normal Pressure output : 3000 LPM at 8 Kgs/cm²
- b) High pressure output : 300 LPM at 35 Kgs/cm²
- c) Maximum pressure in Normal pressure mode : 14 kg/cm² (shut off pressure)
- d) Maximum pressure in High pressure mode : 35 kg/cm² -
- e) Deep lifting capacity of Pump : 30 cm/sec. max. Upto 7 Mtrs. in 30sec. at NTP condition.

4.3 The overall pump shall be constructed from gunmetal. The normal (low) pressure impeller, volute, and impeller wearing shall be made from gunmetal confirming to Gr II of IS: 318 and the regenerative type high pressure impeller shall be Aluminum, Bronze (AB-2). The pump shaft shall be made from stainless steel confirming to IS: 6603. The bearing housing

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4.4	<p>will be made of C.I. and all the studs and bolts coming in contact with water shall be of stainless steel. The bearings used in the pump shall be of reputed make.</p> <p>The normal and high-pressure impeller shall be mounted on a single shaft and normal (low) pressure impeller shall be dynamically balanced.</p>
4.5	<p>The pump shall be provided with self-adjusting mechanical carbon seal with interface plate. The mechanical seal assembly shall with stand dry running of pump up to 2 minutes without any damages.</p> <p>The pump shall be provided with an inbuilt filter of easily removable type, which shall filter the water before entering into the high-pressure stage impeller.</p> <p>Operation of low pressure to high pressure or vice-a-versa shall be possible by actuation of single lever.</p> <p>The pump shall have facility to operate low pressure and high-pressure mode simultaneously or individually. While high pressure mode is in operation and delivering 300 LPM at 35 kg/cm², the pressure in low pressure side shall not exceed 8.5 kg/cm².</p> <p>The pump shall be provided in built (integrated in the pump outlet manifold) Pressure Relief Valve (PRV) which shall operate automatically and shall not allow the high pressure to increase beyond 40 kg/cm².</p> <p>The size of high-pressure outlet shall be of 25 mm connected to high-pressure hose reel.</p> <p>The pump shall be provided with one suction inlet of 125 mm dia. having round threads confirming to IS:902 and Four numbers of 63 mm delivery outlets having screw down type valves fitted with instantaneous couplings as per IS: 903. The delivery valve spindle sealing shall not be of gland type. The high-pressure outlet shall not be less than 25 mm and shall either be flange on screw type.</p> <p>The efficiency of the pump shall be such that the power and RPM required shall not be more than available with the engine.</p> <p>The pump housing shall have provision to connect to internal cooling system.</p> <p>The pump shall be mounted at the rear of the vehicle connected to P.T.O. by propeller shafts and universal and slip joints with sufficient number of bearing supports. All the propeller shafts shall be dynamically balanced and shall be procured from the OEM (the chassis manufacturer).</p> <p>Pump Primer – The priming system shall be horizontal Reciprocating type or water ring type. The priming shall be fully automatic in operation and shall not require any operation whatever from the pump operator other than throttling the engine to the required RPM. The primer shall get automatically disengaged once the pressure is registered at the pump. The primer shall be capable of lifting the water in 30 seconds from the depth of 7 mtrs. (up to pump inlet) at NTP condition. The pump shall attain a dry vacuum of 620 mm of Hg. The primer shall disengage automatically at a pump pressure of 1.5 to 2.0 kg/cm².</p>
05	<p><u>PUMP TEST :</u></p> <p>The pump fitted on the vehicle shall be subjected to various tests as detailed below :</p> <p>5.1 The pump with its all fitments will be subjected to Hydrostatic testing on a pressure of 21 kg/cm².</p> <p>5.2 The pump shall be run dry for a period of minimum two minutes at 2000 RPM to check the integrity of mechanical carbon seal. After this test there shall not be any leakage of water through carbon seal.</p> <p>5.3 The pump performance test will be carried out by running the pump at constant RPM at 2600 and measuring the discharge at various pressures.</p> <p>5.4 The pump will be subjected to Endurance test for a period of Four hours continuous running. The first three hours the pump shall deliver rated output of 3000 LPM at 8 kg/cm² and next one hour will be 300 LPM at 35 kg/cm².</p>

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	5.5 During the endurance test the water shall not be replenished in the cooling system and the temperature of the cooling water and engine oil should not exceed the manufactures standard recommendations for the continuous operation and engine should not show any sign of stresses.
6.	POWER TAKE OFF (PTO) : The P.T.O shall be Heavy duty type with suitable ratio capable of transmitting the full torque of the engine in first gear. The lever for engine the P.T.O. shall be provided in the Drivers cabin with proper locking arrangement. The PTO shall be mounted on heavy duty cross members and support brackets between the longitudinal members of the chassis frame. Means shall be provided to check the oil level in the PTO and suitable drain plug shall be provided at the bottom. A cooling coil made of copper tubes shall be provided inside the PTO at the bottom to prevent the oil of the PTO from heating. The drive assembly components (shaft coupling etc.) should be dynamically balanced. (The make and photographs / catalogue shall be enclosed with the tender documents).
7.	WATER TANK: The capacity shall not be less than 6000 liters. The tank body and baffles shall be of minimum 5 mm thick MS plates confirming to IS: 2062. The sides of the tank shall have Die Pressed reinforced webs for better strength and rigidity. The designs of the tank should be such that the complete width of the vehicle is utilized and the height of the tank is to be kept as low as possible for better stability. 7.1 A tank of required capacity constructed out of mild steel treated for anti-corrosion shall be suitable mounted on the chassis in a manner keeping in view the proper load distribution on the axles. 7.2 A full length runner from behind from the driver cabin till end of chassis frame shall be provided and made out of M.S. Channel of 100 x 50 x 5 mm suitable fixed to the chassis, frame with 6 mm thick M.S plate and bolted to chassis frame wherever holes are available in the chassis frame and also with 5/8" 'U' bolts and nuts shall be nylock nuts only. 7.3 The tank shall be suitable baffled with minimum 20 nos. of baffles fitted longitudinally and 2 nos. baffles fitted transversely to prevent surge when the vehicle is breaking, cornering or accelerating. 7.4 The baffles shall be arranged in a manner to facilitate the passenger of a man throughout the tank for cleaning purpose. 7.5 The tank shall be mounted on minimum three members to counter act the stresses caused by chassis flexion and shall be so secured that it can be easily removed. The water tank shall be provided with six chairs, three on either side for mounting the tank on the runner and chassis frame. 7.6 The water tank shall be fixed to the chassis frame and runner with 'U' clamps and aluminum packing block and self-locking nuts. 7.7 Suitable eyes shall be provided on the shell of the tank to enable it to be lifted from the vehicle for repairs/replacement as and when required. 7.8 The tank shall be fitted with a 50 mm bore overflow pipe. Two 63 mm instantaneous hydrant connection, incorporating a strainer with NRV, shall be provided close to the pump control panel for filling the tank through 75 mm bore pipe. Minimum 125 mm bore pipe line shall be taken from the tank to the suction inlet of the pump incorporating minimum 125 mm internal dia butterfly type valve. Drain valve shall be provided at the bottom of the tank. 7.9 The MS plates used for the tank shall be Zinc Plated or galvanized and shall be given adequate anti-corrosive treatment of epoxy treatment consisting of one coat of primer with two coats of finish after preparing the surface by sand or shot blasting from inside and outside after fabrication if it is not galvanized. The open end of the overflow pipe should be taken down to a point well below the chassis without affecting the effective ground clearances when fully loaded and shall discharge away from the wheels. 7.10 Visual level gauge of the glass / acrylic tube shall be provided at the control panel calibrated 1/4 ,1/2,3/4 and full (preferably calibrate in litres).

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	<p>7.11 The tank shall have a bolted manhole of 60 cm dia minimum and should have a gun metal threaded ring and gun metal cap of 30 cm dia for filling the water tank from the top. The manhole cover shall be made from 5 mm thick M.S plate and epoxy coated from inside and outside. A cleaning hole of at least 25 cm dia shall also be provided at the bottom.</p> <p>7.12 The tank shall be connected with the pump and hose reel and valves (s) shall be provided in such a way that any of the following operations are possible:</p> <ul style="list-style-type: none">a. Hydrant-tank,b. Hydrant-reelc. Tank-pump-high and low pressure hose reels.d. Hydrant-pump-low pressure hose reel, ande. Tank-pump-Monitorf. Hydrant – Monitor (Separate)g. Tank to Pump – 4 Deliveries
8. DELIVERY OUTLETS :	<p>There shall be 4 Nos. delivery outlets having standard GM inst. female coupling with screw down type delivery valves with blank caps. It should have twist type lugs made of gun metal.</p> <p>02 nos are to be mounted on the pump at rear side of the vehicle and remaining 02 Nos shall be positioned left and right of body end at rear side.</p>
9. HIGH PRESSURE HOSE REEL :	<p>Two high pressure hose reel to facilitate operation of the high pressure section of the Fire Pump shall be provided and mounted so as to be accessible for use from either side of the appliance. The hose should be prevented from kinking. The hose shall be light weight PVC nylon braided hose or equivalent and the working pressure of hose will not be less than 40 Kg/cm² . The high-pressure hose reel shall hold 30 meter of hose in one length, terminating in a high-pressure fog gun. Plumbing between the pump and hose reel shall have clean and unobstructed waterway of not less than 25 mm throughout with any restriction.</p> <p>The high pressure Hose reels will hold not less than 30 M of hose in one length, terminating in High pressure fog/jet trigger type gun connected by quick connect couplings. The fog gun shall be made of Aluminum alloy or stainless steel (SS 304).</p> <p>The inlet connection shall have a leak proof rotating type hose connector. The gun shall be of constant flow type with a discharge capacity of 150 LPM approximately. Provision shall be made in the gun controls to achieve combat mode (straight jet) or a fog shield in split second. The gun shall have the ability to work on pressure from 20 kg/cm² to 40 kg/cm² without affecting discharge pattern. The weight of the gun assembly shall not be more than 3 kg.</p>
10. COOLING SYSTEM:	<p>To avoid over heating of the engine, in addition to cooling by radiator, an indirect cooling system of the open circuit type should be provided, discharging water in the open, away from the engine of the vehicle.</p>
11. WATER MONITOR :	<p>One water monitor will be provided on the top at suitable location, with cap. of 3000 LPM of water @8.5 kg/cm² . The monitor will be capable of traversing through 360° in horizontal plane, +75° & -15° in vertical plane with discharge range of 70 M (water). The detailed specification of the Monitor is as under :</p> <ul style="list-style-type: none">a) Size : 100 mmb) Body : Barrel of SS, GM swivel joint for horizontal & vertical motion manual operationc) Rotation : 360°d) Elevation : 90 degree +75 degree & -15°

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Complete construction of the monitor should be of SS 304 and hard anodized aluminum alloy nozzle should have arrangement for Foam induction, with Jet-spray arrangement.

- a) Working pressure : 7 to 10 Kg/cm².
- b) Painting : As per IS:5 (2 coats of red enamel paint)

12 CONTROL PANEL

12.1 Adequately illuminated control panel shall be provided near the pump.

12.2 The control panel(s) shall include the following :

- a) Throttle control for engine:
- b) Pressure gauge – 0 to 17.5 kgf/cm² ; for low pressure (glycerin filled)
Pressure gauge – 0 to 50 kgf/cm² ; for high pressure (glycerin filled)
- c) Compound gauge (glycerin filled) calibrated as under :
Vacuum – 0 to 75 cm Hg, preferably in black;
Pressure – 0 to 15 kgf/cm², preferably in black;
- d) Primer control for exhaust primer
- e) Temperature gauge and glow lamp for lubricating system
- f) Cooling water circuit control
- g) Water tank valve
- h) Foam tank valve
- i) Foam proportioning valve
- j) Auxiliary foam connection with valve
- k) Monitor valve
- l) Delivery valves.
- m) Suction inlet.
- n) Hose reel valves.
- o) Water level indicator
- p) Foam level indicator

In addition to the items mentioned above, any other items that may be essential shall also be provided. Any of these items, which are also required in the driver's cabin, shall be provided at suitable locations in the driver's cabin.

13. BODY WORK AND STOWAGE

13.1 Enclosed accommodation for six persons shall be provided in the driver cab-cum-crew compartment including the driver and in-charge of the crew. Both the seats should be independent. The driver seat should be adjustable and comfortable. The rear compartment of drivers cabin should have one removable seat for full width of cab for 5 (five) crew members. The cab floor should be covered with 3 mm thick Aluminum chequered plate rigidly fixed to the under frame cross members by means of nuts and bolts or riveting excepts the mudguard arches which shall be covered with 1.60 mm Aluminum chequered plates. Trap doors for topping up oil etc. Wherever necessary shall be provided.

13.2 Grand type light should be provided in the driver's cabin dwell vision and external rear view mirrors should be fitted to the cab.

13.3 The driver cum crew cabin shall be provided with full four doors, one for driver, one for officer and two at the crew compartment. The doors shall be generously sized for easy embarking/disembarking of crew members. All the doors shall be fitted on the super structural members, each hung upon three invisible coach type M.S stout hinges and fitted with best quality handles.

13.4 The door handle on outside of driver seat shall have a locking arrangement. Other doors shall be lockable from inside. In addition to the doors locks, aluminum tower bolt shall be provided for all the doors from inside adequate grab rail shall be provided for easily boarding and alighting from the appliances.

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**TENDER DOCUMENT FOR FABRICATION & SUPPLY OF WATER TENDER - TYPE B
(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES****T.E No.052/SAL/PUR/2022-23 dated 06/01/2023**

- 13.5 The windscreen glass shall be provided in the two halves and shall be semi curved type. Each glass shall be fitted in E.P.D.M rubber beading. The glasses shall be 5 mm thick toughened safety glass.
- 13.6 The rubber beading used for fitting glasses and window frame shall be E.P.D.M rubber.
- 13.7 The driver seat shall be adjustable type vertically, forward and backward. The officer seat shall be fixed type. Both the seats shall be rigidly/fixed to the flooring by means of nuts and bolts.
- 13.8 The seat cushion shall be of latex foam rubber 75 mm thick upholstered in good quality foam leather cloth. The back seat shall be latex foam rubber 50 mm thick upholstered in good quality foam leather cloth.
- 13.9 Below the crew seat, two lockers shall be provided One for battery box and another for keeping accessories. The extra length of battery cable if required shall be provided.
- 13.10 The crew seat shall be rigidly fixed to floor by means of nuts and bolts, running full width of the vehicle suitable for sitting five firemen, covered with 75 mm x 50 mm cushion latex foam rubber upholstered in good quality foam leather of approved shade.
- 13.11 The rear body shall be fabricated in continuation and in line. The under frame cross members shall be fabricated from the rolled M.S. channel of 100 x 50 x 5 mm size.
- 13.12 The M.S runner of 100 x 50 x 5 mm size shall be provided over the full length of the chassis member for the uniform distribution of load over the chassis.
- 13.13 Each cross members shall be secured to the chassis frame by 16 mm dia 'U' Bolts with aluminum packing block and self-locking unit.
- 13.14 Balata packing of thickness 6 mm shall be provided in between the chassis frame and across members.
- 13.15 The structure/frame work shall be of welded constructions and made from 2mm thick MS pressed sections and square tubes. The angles and channels used shall be if min. 3mm thickness. The complete structure material shall be treated for anti-corrosion by Zinc Plating. The plating thickness shall not be less than 20 microns. Two coats of Epoxy paint shall be applied to the completely welded structure.
- The structure shall be so designed so as to avoid any vibration / ratting / deformation in the intended usage of the vehicle.
- 13.16 **The details of super structure are as follows:**
- | | | | |
|----|----------------------------|---|------------------------|
| a) | Under frame cross members | : | 100 x 50 x 5 mm (Min.) |
| b) | Floor longitudinal members | : | 50 x 50 x 6 mm (Min.) |
- The cab and lockers should be of composite construction with sufficient rigidity and reinforcement and shall be kept as light as possible.
 - The interior paneling shall be done from 1.22 mm thick aluminum sheets & the exterior paneling shall be done from 1.60mm thick aluminum sheets.
 - The roof on the cabin of the vehicle shall be covered with min. 1.60 mm thick aluminum chequered plates. All the lockers sides & complete rear of the vehicle shall be covered with min. 1.22 mm thick aluminum chequered plates. The complete rear deck and all lockers floors and rear foot boards shall be covered with minimum 3mm thick aluminum chequered plate.
 - Sufficient number of Lockers with suitable shelves, partitions and roll in rollout type drawers/trays shall be provided on both sides of the vehicle for secure stowage of all equipment given in annexure. One through and through locker shall be provided immediately behind the drivers cab. All space available below the chassis frame level shall be utilized by providing lockers with proper doors. These doors shall be fitted with suitable chains and hooks on both sides so that the same can be used as foot board.
 - All lockers shall be provided with internal automatic lighting arrangement with the master switch in the cab.

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(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES****T.E No.052/SAL/PUR/2022-23 dated 06/01/2023**

- All lockers above chassis floor shall be covered with Aluminum roller shutters. The roller shutters shall be of reputed makes like Fireco or MCD and shall be made from extruded aluminum sections with suitable roller, spring, guide channels etc. All aluminum sections used shall be properly anodized.
- The Roller shutters shall be rolled inwards underneath the roof giving unobstructed access to the equipment lockers and the firefighting material.
- These roller shutters should open in every position of the vehicle even in rough terrain. Guide rails shall support the shutters over entire length on both sides to make them absolutely torsion free. The roller shutters should have a sturdy lock, preventing accidental opening during movement of vehicle.
- Roller shutters shall be made of hollow rectangular shaped aluminum links which shall be inter connected with rubber / plastic /PVC profiles sealing the roller shutter watertight when closed. These roller shutters should be durable, maintenance free, weather and corrosion resistant.
- Suitable storage space shall be provided to store four 2.5-m lengths of suction hose with couplings at convenient location.

➤ **SPECIAL PROVISION FOR STOWAGE OF EQUIPMENTS :**

For all hose fittings like branch pipes etc. Quick release type couplings are provided which enables the operator to locate the desired equipment instantly and thereby save valuable time at the time of fire. These coupling also ensure that none of the items damage the internal paneling & thereby increase the life of the vehicle. Suitable clams, brackets, holders etc. are provided for all other items.

Arrangement to stow the BA Sets in the recessed back rest of the crew member seats shall be provided. The mechanism shall have locking and unlocking facilities to ensure proper fixing of BA Set in place. The arrangement shall be such that when BA sets are stored in the back rest, they shall not hamper the seating comfort of the crew members. The mechanism shall be from reputed international manufacturer with a vast supply experience. The arrangement shall also facilitate easy donning of the BA Sets by firemen while seated. (The make and photographs / catalogue shall be enclosed with the tender documents).

The body of the whole Fire Tender shall generally be divided into 4 compartments, first shall be the driver cum crew cabin, second shall be loading compartment for the equipment to be stored & foam tank, third shall be the di-pressed water tank and the fourth rear compartment shall be mainly for housing the pump and the hose reels and storage space for Extinguishers and other items

14. MISCELLANEOUS

- A suitable bumper shall be provided at the rear rigidly fixed to the super structural members by means of nuts and bolts which is supplied along with the chassis.
- Two cat ladders made out of S.S. round or square pipe of 25mm dia shall be provided.
- 2nos. of 25mm dia aluminum pipe railing with sufficient number of aluminum double sockets brackets shall be provided to the rear body over the deck.
- A heavy duty Towing hook shall be provided and fitted the rear bumper by means of nuts and bolts.
- Quick removable type wire mesh guard made from 25x25mm size MS wire mesh of 1.60 mm covered in MS angle frame shall be provided to all the glasses of driver-cum-crew cabin.

15. CABLE WINCH.

An electrically operated cable winch of Ramsey / Rotzler / Sepson make or equivalent having capacity of not less than 6.5 tons pulling capacity (single layer) should be provided and mounted in the front of the vehicle. The winch unit should be complete with minimum 5.5 HP, 12V DC series wound electric reversible motor for increased pulling power. The motor and solenoids shall be grounded to the battery. It shall have an automatic load holding brake system for more strength. For free

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	<p>spooling the clutch design shall be easy to use type with spring loaded pull and rotate system. The gear system should be 3 stage planetary type for faster line speed and the gear reduction ratio shall not be more than 300:1, the rope drum shall not be of more than 8 inches long having 3.5 inches dia and shall be supplied with minimum 90 ft. heavy duty galvanized EIPS wire rope with replaceable self-locking clevis hook and would be mounted on the front bumper of the vehicle with suitable strong supports and a 4 way roller fairlead. The Weight of the winch shall not be more than 55 Kgs. A wireless remote for 12 V systems or wired remote for 24 v system shall also be supplied with the unit.</p>
16	<p><u>ELECTRICAL SYSTEM:</u></p> <p>16.1 All the important electrical circuits shall have separated fuses suitable indicated and shall be grouped into a common fuse box located at an accessible position. The wiring shall be single pole with negative earth.</p> <p>16.2 The suitable size wire shall be selected for different circuits considering the current consumption for that circuit.</p> <p>16.3 Electrical siren of 1.6 Kms. Range 12/24 volts D.C. shall be provided and fitted at suitable place with two controlling push buttons on one officer side and another at Driver side.</p> <p>16.4 Two rotating beacon lights with Amber lens shall be provided over the top of driver's cabin.</p> <p>16.5 The other lights pump cabin light, locker lights shall be of approved make.</p> <p>16.6 All the controlling switches of lights on dashboard shall be approved make.</p> <p>16.7 Two fog lamps of approved make shall be provided and fitted on front-bumper with controlling switch on dashboard.</p> <p>16.8 New wiper motor assembly of 17 watts with new blades and arms shall be provided if not provided with the chassis. The location of wiper motor shall be such that it shall easily accessible for repairs.</p> <p>16.9 Adjustable search light assembly shall be provided at a convenient position on the top of rear body deck with 30 mtrs Cable drum with Rexene cover.</p> <p>16.10 Hooter cum P.A. system shall be provided with a speaker mounted on the top of Drivers cabin with Rexene cover. The output shall be 25 watts.</p> <p>16.11 Adjustable spot light, mounted in a convenient position to give flood or beam of light at the rear of driver cabin shall be provided.</p>
17.	<p><u>LADDER WITH GALLOWS :</u></p> <p>An aluminum extension ladder of 10.5 mtrs height shall be provided with the vehicle and mounted on suitable ladder gallows. The design of the gallows shall be such that the ladder can be released without difficulty from a reasonably accessible position. Means shall be provided for looking the ladder when stowed.</p>
18	<p><u>PIPING :</u></p> <p>All piping shall be sized so as to have minimum pressure drop & achieve the required pressure & flow at various locations. All pipe fitting & valves (except butterfly valves) shall be SS-316. All piping shall be designed for 10% over the max. Pressures encountered in the pipe. The piping shall be flanged for ease of maintenance. All lines shall be hydraulically tested at 1.5 times the design pressure however in no case the lines shall be hydraulically tested below 18 Kg/cm². All lines shall be having suitably supported so as to provide rigidity & avoid vibrations. All lines less than 38 mm size shall be socket welded. All lines above 50 mm size shall be butt-welded with full penetration 9 welds. All gaskets in foam lines shall be spiral wound with SS: 304 & asbestos filler. All bolting shall be of SS: 316. The draw off pipe shall be provided in such a manner & in such a position that sludge does not pass into foam piping.</p>

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19	<u>OTHER CONSTRUCTION DETAILS:</u> Grab rails & non-slips steps of heavy chequered plate shall be provided wherever necessary. The entire structure of appliance shall be fabricated from corrosion free aluminum extrusion profile section framework constructed with bolt and nut system without welding work and panelled with aluminum plate. Entire aluminium construction in light-weight design made from rectangular aluminium profile with a distortion-insensitive bearing. The panelling, complete locker & top flooring, locker walls shall be done from suitable gauge aluminum plain or chequered sheets. Top flooring shall have rainwater channel at both sides. The openings for equipments shall be sealed properly to ensure no water goes inside. For all water fittings necessary arrangement shall be made to enable the operator to locate the desired equipment instantly and thereby save valuable time at the time of fire. This arrangement shall be such that none of the items damage the internal panelling and thereby increase the life of the vehicle. Suitable clamps, brackets, holders etc. shall be provided for all other items.
20.	<u>B.A. SET BRACKETS:</u> B.A. set brackets for fixing with its fitments shall be provided just behind the crew seat. The mounting of B.A. set brackets shall be such that, it can allow firemen to wear B.A. set while vehicle is approaching to fire call. Proper padding and harnessing arrangement shall be made in the bracket to avoid damages to the critical parts of the BA set.
21.	<u>ACCESSORIES:</u> The following accessories shall be provided. 21.1 Fire Bell: (Bell Carillon): One Gun metal fire bell of 250 mm size confirming to IS:1928 shall be mounted externally on the top of crew compartment and shall be operated within the crew compartment by firemen seating position. 21.2 Six aluminum hooks for keeping the uniform clothing shall be provided in crew compartment. 21.3 Fire bells- 250 mm diameter fire bell shall be mounted externally and shall be capable of being operated from within the driving compartment. The bell shall be of the hand operated type. 21.4 Head lamps-02 Nos 21.5 Fog lamps- 02 Nos 21.6 Reversing light- Lamp suitable situated to assist reversing. 21.7 Amber blinkers lights- Situated on the head of the driving compartment 21.8 Trafficators- Illuminated with indicating lights on instrument panel or in any other prominent position in driving compartment. 21.9 Wind screen wipers 21.10 Tools- All tools required for normal routine maintenance of the appliance which are not included in the kit for the chassis. 21.11 Siren- Battery operated. 21.12 Search light – Adjustable to give flood or beam light, mounted in a convenient position but capable of being readily disconnected and mounted on a tripod away from the appliance, complete with tripod and with not less than 30 m of TRS cable on a reel mounted on the appliance. 21.13 Spot light- Adjustable , mounted in a convenient position on the near side of the driving compartment. 21.14 Inspection lamp- Protected type on wander lead with plug. A socket shall be provided in the control panel in the drivers cab for plugging in the lamp. 21.15 Tail lamps- Two of combined stop and tail. 21.16 Rear reflectors 21.17 Cab, instrument panel and locker, light 21.18 Public address system.

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The entire appliance shall be painted with Asian PPG make / DUPONT Glossy Finish paint and thickness of 0.12 to 0.2 mm thickness using double coat spray painting on the outside. The logo, emblem & name of CENTRAL INDUSTRIAL SECURITY FORCE shall be painted in white colour background and name shall be written on the both sides of fire tender with self – illuminating florescent white colour.

Before final painting of fire tender two coats of anti-corrosion and one Zinc phosphate primer coat shall be applied. All the chassis and wheel arches shall be painted in florescent white colour. All the piping shall be painted red.

The Vehicle shall be clearly and permanently marked with the following, preferably on a metal plate attached in the driver's cabin & also near the pump operating control panel.

- a) Manufacturer's name or trademark.
- b) Year of manufacture.
- c) Capacity of Pump in LPM & Water tank in Ltrs.
- d) Engine & chassis Nos.
- e) Pump serial number & its year of construction. 11
- f) All instrument controls shall be identified with nameplates.
- g) All hoses & valves inlet & outlet shall also be identified by suitable name plates.

23. WIRELESS SET BOX:

Box made from 2 mm gauge aluminum sheet with lid shall be provided just behind the officer seat with 13mm wooden plank for fitting the wireless set bracket. The design and mounting will be shown at the time of fabrication work.

24. ACCEPTANCE TESTS:

The following acceptance tests shall be carried out to the complete satisfaction of the user. The design of vehicle to be such that it shall not affect the Chassis Characteristic as specified by the chassis manufacture such as speed, turning, circle, acceleration, braking distance etc.

The stability of the appliances shall be such that when under fully equipped & laden condition, if the surface on which the appliance stands is tilted to either side, the point at which over turning occurs is not passed at an angle of 27° from horizontal. This test should be carried out at the vendor factory in front of all the inspecting officers.

- i) The pumps with its all fitments will be subjected to Hydrostatic testing on a pressure of 21 Kgs/cm²
- ii) The pumps shall be run dry for a period of minimum two minutes at 2000 RPM to check the integrity of mechanical carbon seal. After this there shall not be any leakage of water through carbon seal.
- iii) The pump will be subjected to Endurance test for a period of Four hours continuous running. The first Three hours the pump shall deliver rated output of 3000 LPM at 8 kg/cm² and next one hour will be 300 LPM at 35 kg/cm².
- iv) During the endurance test the water shall not be replenished in the cooling system and the temperatures of the water and engine oil should not exceed the manufactures standard recommendations for the continuous operation and engine should not show any sign of stresses.
- v) The other tests shall be as per detailed performance parameters given for chassis, superstructure, firefighting system which include monitor output & throw, foam induction & expansion, load etc.
- vi) Accessories shall also be subjected to relevant tests as per the specification indicated above

25. APPROVALS:

- i) All equipment being quoted by vendor shall confirm to the latest version of relevant Indian / International standard.
- ii) Vendor shall mentioned the relevant standard reference against each items governed by the India/ overseas international standard.

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	<p>iii) Vendor shall agree to provide certificates in original of all necessary or mandatory approvals in respect of the Fire Tender before dispatch.</p> <p>iv) On placement of order, Fire Tender is to be delivered at Plant premises. Transit insurance shall be included in vendor's scope.</p> <p>v) Vendor shall agree to offer stage inspection of the Fire Tender in three stages. Third stage inspection shall be final pre-dispatch inspection.</p> <p>vi) After supply vendor shall provide training in operation of their system free of cost to CISF personnel.</p> <p>vii) On final supply, operation & maintenance manual, any electrical system manual etc., shall be handed over to indenter of plant. All guarantee certificate for any / all accessories installed on the fire tender shall be handed over to indenter of plant.</p> <p>viii) Along with techno-commercial offer, vendor shall submit a separate sheet listing all items that shall be supplied. i.e. scope of supply shall be mentioned.</p>
26.	<p><u>PRE-DISPATCH INSPECTION (PDI) :</u></p> <p>Three (03) stages inspection of Water Tender shall be carried out at fabricator's site as per details given below.</p> <p>1st Stage: Inspection of manufacturer facilities, inspection of chassis, inspection of material for fabrication, inspection of under structure, inspection of water tank.</p> <p>2nd Stage: Placement of water tank, fitting lockers, pump & PTO.</p> <p>3rd Stage: In final, acceptance test / inspection (PDI) shall be carried out in accordance with standards at fabricator's works by the inspecting officers.</p> <p>(i) <u>First Stage:</u></p> <ol style="list-style-type: none"> 1. Review of mill test certificates and co-relation of raw materials used for structure & body fabrication before start of fabrication. 2. Review of approved drawing used for structure & body fabrication before start of fabrication. 3. Inspection of frame work / under structure (for cabin and bod) for soundness of welding and fitment of chassis, water tank and dimensional check. <p>(ii) <u>Second Stage:</u></p> <p>Inspection of structure, mounting of sub-frame with metacones and proper foundation. Fitment of PTO, Hydraulic testing of water tank before mounting. Inside/outside panelling of sheets. Hydraulic testing of pump before mounting, testing of pipeline, inspection of fabrication work, cooling by pass valve and pipeline leading to heat exchanger and suitable connection for its outlet, preliminary test of pump, working of PTO, fitment of primer, while checking all relevant parameters. All test shall be carried out as specified in the specifications or as per relevant IS whoever is on higher side.</p> <p>(iii) <u>Third/Final Stage:-</u></p> <p>Testing of accessories/equipments mentioned in Serial No. 28 below, four hours (three hours for NP & 1 hour for HP section) acceptance test of pump rated output at normal and high pressure, maximum rotation of the monitor, angle of elevation and depression. Testing of all other normal items of equipment, fitments, appurtenances, light, fog lamps, search lights, revolving, blinker, spot light, rear warning light, as per specified standard.</p> <p>Testing of duty points of the pump, including deep lift test, road test, braking test, when the vehicle is fully loaded output and throw of monitor, throw of side line with water, separately testing of priming device while working from open source of water supply.</p>
27.	<p><u>NOTE :</u></p> <ol style="list-style-type: none"> 1. Chassis shall have to be purchased in the name of BRBNMPL. 2. The appliance to be procured from the OEM (Original Equipment Manufacturer) or authorized agency/agencies.

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	<p>3. The Vendor shall ensure chassis/unit registration formalities (including road tax, Insurance and any other taxes or duties) and shall undertake transit Insurance.</p> <p>4. All necessary environment/ pollution clearances for Water Tender to be complied by Vendor.</p> <p>5. Test certificate along with dispatch documents to be submitted by Agency.</p> <p>6. Following documents as applicable shall have to be submitted by vendor:-</p> <ol style="list-style-type: none"> Chassis technical specification. Valid registration of chassis. Form 21 and 22 of Motor Vehicle Act from authorized dealer of chassis. Road Worthiness Certificate Form -22A <p>7. The vendor shall have all the test facilities to carry out the Pre-Dispatch Inspection (PDI) as per the relevant Indian/international standards.</p>																																																																																																							
28.	<p><u>LIST OF ACCESSORIES (to be Quoted in Table - A of Price Schedule)</u></p> <table> <tr> <th><u>Sl. No</u></th><th><u>ITEM</u></th><th><u>Quantity</u></th></tr> <tr> <td>1.</td><td>125 mm rubber suction hose in 2.5 mtrs length with 125 mm suction hose GM couplings as per IS:3549</td><td>4 nos.</td></tr> <tr> <td>2.</td><td>Suction collecting head – 125 mm suction inlet, GM two way as per IS: 904</td><td>1 no.</td></tr> <tr> <td>3.</td><td>Suction strainer for 125 mm suction hose – brass as per IS:907</td><td>1 no.</td></tr> <tr> <td>4.</td><td>Dividing breeching with control 63 mm instantaneous pattern – GM as per IS: 5131</td><td>1 no.</td></tr> <tr> <td>5.</td><td>Collecting breeching 63 mm instantaneous pattern – GM as per IS: 905</td><td>1 no.</td></tr> <tr> <td>6.</td><td>Suction wrenches for 125 mm suction hose couplings as per IS: 4643</td><td>2 nos.</td></tr> <tr> <td>7.</td><td>Combined key for hydrant cover and lower valve as per IS: 910</td><td>2 nos.</td></tr> <tr> <td>8.</td><td>Hose straps as per IS: 5612 Part I</td><td>6 nos.</td></tr> <tr> <td>9.</td><td>Branch with revolving head, GM, 63 mm size as per IS: 906</td><td>1 no.</td></tr> <tr> <td>10.</td><td>Torch electric with 4 cell water proof</td><td>2 nos.</td></tr> <tr> <td>11.</td><td>Flame proof torch as per approved specs.</td><td>2 nos.</td></tr> <tr> <td>12.</td><td>Foam branch – FB5X type with pick up tube, GM as per IS: 2097</td><td>2 nos.</td></tr> <tr> <td>13.</td><td>Rope polyamide 32mm dia for lowering line of 30 mtr long with sealed ends</td><td>1 no.</td></tr> <tr> <td>14.</td><td>Rope polyamide 12mm dia for guy line of 30mtr. long with sealed ends</td><td>1 no.</td></tr> <tr> <td>15.</td><td>Rope polyamide 24mm dia for long line of 30mtr. long with sealed ends</td><td>1 no.</td></tr> <tr> <td>16.</td><td>Rope polyamide 22mm dia for short line of 20mtr. long with sealed ends</td><td>1 no.</td></tr> <tr> <td>17.</td><td>Hose bandages as per IS: 5312 Part 2</td><td>4 nos.</td></tr> <tr> <td>18.</td><td>Hose slings as per existing Indian Standards</td><td>2 nos.</td></tr> <tr> <td>19.</td><td>Rubber gloves as per IS: 4770 for 5000Volts</td><td>4 pairs</td></tr> <tr> <td>20.</td><td>Leather gloves IS: 6994 Part 1</td><td>2 pairs</td></tr> <tr> <td>21.</td><td>Canvas gloves with anti-skid palm</td><td>2 pairs</td></tr> <tr> <td>22.</td><td>Axe large as per IS:963</td><td>2 nos.</td></tr> <tr> <td>23.</td><td>Pick axe as per IS: 703</td><td>1 no.</td></tr> <tr> <td>24.</td><td>Fireman Axe as per IS: 926</td><td>1 no.</td></tr> <tr> <td>25.</td><td>Spade with wooden handle</td><td>1 no.</td></tr> <tr> <td>26.</td><td>Crow bar of 6 ft. long 25mm dia as per IS: 704</td><td>2 nos.</td></tr> <tr> <td>27.</td><td>Spanner adjustable, 30 cm long</td><td>1 no.</td></tr> <tr> <td>28.</td><td>Jack Hydraulic for 20 ton capacity with handle</td><td>1 no.</td></tr> <tr> <td>29.</td><td>Oil feeder standard capacity</td><td>1 no.</td></tr> <tr> <td>30.</td><td>Funnel 300 mm dia made from GI 18SWG sheet</td><td>1 no.</td></tr> <tr> <td>31.</td><td>Hammer sledge with wooden handle – 10 kg</td><td>1 no.</td></tr> <tr> <td>32.</td><td>Hammer sledge with handle – 5 kg</td><td>1 no.</td></tr> <tr> <td>33.</td><td>Suction adaptor GM 125mm female x 63mm male with lugs</td><td>1 no.</td></tr> </table>	<u>Sl. 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BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED <i>(Wholly owned subsidiary of Reserve Bank of India)</i> RBNM P.O. Salboni, Dist. Midnapore (W), West Bengal, Pin Code 721132 TENDER DOCUMENT FOR FABRICATION & SUPPLY OF WATER TENDER - TYPE B <u>(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES</u> T.E No.052/SAL/PUR/2022-23 dated 06/01/2023		
	34. Adaptor 63mm male to 38mm female GM	2 nos.
	35. Adaptor 63mm female to 63mm female GM	1 no.
	36. Tool kit (fixed spanners, ring spanners, screw drivers & Plier insulated)	1 no.
	37. Belt hook	1 no.
	38. Selectable flow nozzle, made of aluminum alloy (hard anodized), light weight and easy handling having 63 mm size male instantaneous inlet. Nozzle shall have rubber molded bumper and pistol grip handle, ball valve with shut off handle. Selectable flow capacity, nozzle flow rate settings of approx.. 200-250-350-475-600 lpm at 7 kg/cm ² , with good range hollow jet and dense fog in spray position and having an arrangement of low and medium expansion foam attachment.	3 nos.
	39. Branch pipe with 19 mm nozzle GM 63 mm male inlet as per IS: 903	1 no.
	40. Sand bag canvas, round shape, 300 mm dia, 450mm length with cotton rope for closing mouth	2 nos.
	41. Cap hydrant spindle	1 no.
	42. Cap hydrant spindle new pattern	1 no.
	43. Chisel cold	2 nos.
	44. Tyre Lever	1 no.
	45. Bolt cutter – 600mm long	1 no.
	46. Hammer ball type – 500 gms	1 no.
	47. Hook ceiling (preventor) with 3mtr long wooden handle	1 no.
	48. Hook anchor	1 no.
	49. Knife salvage	1 no.
	50. Plier cutting	1 no.
	51. Plier insulated	1 no.
	52. Rake three prong	1 no.
	53. Hose ramp (rubber) as per IS 30 ton capacity suitable for 2 lines	4 nos.
	54. Saw carpenter – 300 mm	1 no.
	55. Door Breaker manual	1 no.
	56. Shovel with handle	1 no.
	57. Nozzle spanner as per IS specification	1 no.
	58. Strainer wicker with canvas hood	1 no.
	59. Hand held forcible entry tool – Paratech or equivalent	1 no.
29	<u>LIST OF ADVANCED FIREFIGHTING ANCILLARIES (to be Quote in Table – B of Price Schedule)</u>	
	1. Petrol Chain saw machine, 600 mm guide bar length, with spare chain (Specification attached as per Appendix-B)	1 no.
	2. B.A. Set with carbon composite cylinder as per BIS / EN specifications (Specification attached as per Appendix-C)	2 nos.
	3. Delivery hose 63 mm dia confirming to IS: 636 Type A in 15 mtrs. Length with Gun Metal male and female couplings. The hose and the couplings should be ISI marked. (Specification attached as per Appendix-D)	20 nos.
	4. Aluminum Extension Ladder 10.5 Mtr (Specification attached as per Appendix-E)	1 no.
	5. Fire Retardant Dangry (suit) free size from reputed manufacturer. (Specification attached as per Appendix-F)	12 nos.
	6. High pressure water mist/foam back pack system 09 capacity as per BIS / EN specifications. (Specification attached as per Appendix-G)	02 nos.

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**TENDER DOCUMENT FOR FABRICATION & SUPPLY OF WATER TENDER - TYPE B
(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES**

T.E No.052/SAL/PUR/2022-23 dated 06/01/2023

IV. SPECIFICATIONS : ADVANCED FIREFIGHTING ANCILLARIES

APPENDIX - B : PETROL DRIVEN CHAIN SAW

- i) **Features:**
 - a) Displacement of 40cc
 - b) Power output of 2.3hp/1.7kW
- ii) **Specifications:**
 - a) Maximum power speed of 11000rpm
 - b) Idling speed of 3000 rpm
 - c) Recommended bar length of 14"to 16"
 - d) Lock off button for safe operations
 - e) Ideal for rip, cross and miter cuts in wood
 - f) Efficient dust extraction port
 - g) Product backed by CE and other certifications
 - h) Engine comprising air-cooling, two-stroke, single cylinder
 - i) Diaphragm type carburetor

APPENDIX - C : CARBON COMPOSITE SELF CONTAINED COMPRESSED AIR OPEN CIRCUIT BREATHING APPARATUS

1.0 SCOPE

This specification prescribes requirement of design, performance and practical test for open circuit type breathing apparatus.

2.0 GENERAL REQUIREMENT

- 2.1 Self-Contained Breathing Apparatus (SCBA), ergonomically designed, light weight glass and carbon filled nylon composite back plate and intrinsically flame retardant 100% Kevlar webbing and 3 padded harness, cylinder band should be made up of 100% Kevlar. Two stage pneumatic systems comprising positive pressure demand valve with hands free bypass facility, vision 3 face masks with more than 85 % field vision and scratch resistance polycarbonate visor should be provided. Warning whistle should have an operating pressure of 55 bars. First stage pressure reducer with single high pressure cylinder connector with steel braided hose. The apparatus is to be supplied with CCE approved 6/6.8 ltr, 300 Bar High pressure carbon composite cylinder (duration 45/46 Mins).
- 2.2 The unit is to be provided as attached with automatic distress signal unit capable of giving analogue and digital reading of the pressure.
- 2.3 Low pressure alarm and ADSU featuring a motion sensor which gives alarm if the user is motionless for 30 seconds.
- 2.4 The BA set has to be CE approved, as per EN 137 Class II 2006 Standard.
- 2.5 The compressed air breathing apparatus shall be so designed so that the wearer can breathe comfortably, without any risk of poisonous gases entering the breathing circuit. The breathing circuit should be so designed so that there is optimum utilization of compressed air stored in the cylinder during Fire Fighting and rescue operations. The set as a whole shall be so designed so that the handling of the set is easy and does not cause any damaged to the set. Set shall be capable of being used with cylinder having working pressure up to 300 bars at least. The BA set should have no air losses. No toxic matter can enter the mask back plate should be ergonomically designed for comfort and stability and there should have provision of connection between wearers.

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2.2 MATERIAL

- 2.2.1 All the material used in the construction shall have adequate mechanical strength, durability and resistance to deterioration by heat or by contact with seawater or plain water. Such materials shall be antistatic and fire resistant as far as practicable.
- 2.2.2 Exposed parts excluding cylinders, that is, those, which may be subject to impact during practical performance tests, shall not be made of magnesium, titanium aluminum or alloys containing such proportions of these metals which on impact give rise to frictional sparks capable of igniting flammable gas mixture.
- 2.2.3 Materials that may come into contact with the skin shall be non-staining soft, pliable and shall not contain dermatitis substances.
- 2.2.4 The apparatus shall be sufficiently robust to withstand the rough usage: it is likely to receive in service and designed so that it will continue to function satisfactorily while temporarily accidentally submerged in water at a maximum depth of one meter and thereafter until the air in the cylinder is exhausted.

2.3. SEPARATION OF PARTS

The designed and construction of the apparatus shall permit its components parts to be readily separated for cleaning, Examination and testing. The couplings required to achieve this shall be readily connected and secured, where possibly by hand, and means for sealing used shall be retained in position when the joints and couplings are disconnected during normal maintenance.

2.4. ADJUSTABLE PARTS

All parts requiring manipulation by wearer shall be readily accessible and easily distinguishable from one another by touch. All adjustable parts and controls shall be so constructed that their adjustment is not liable to accidental alteration during use.

2.5. WEIGHT

The weight of the apparatus shall not exceed 12.5 Kg. The cylinder used for compressed air should have the approval of Chief Controller of Explosive.

2.6. LEAK TIGHTNESS

The apparatus shall be of positive pressure types so as to prevent ingress of the external atmosphere. There should be not leakage from any joint.

3.0 FACE MASK

- 3.1 The face mask should be made either of Neoprene or Silicone. The air inlet valve should connect to the mask by simply clipping it on the enable wearer to switch on the positive pressure at the last minute.
- 3.2 Face mask shall cover the eyes, nose, mouth and chin, it shall be provided with an additional flap for providing adequate sealing on the face of the wearer of the breathing apparatus against the outside gas, when the skin is drying or moist, when the head is moving and when the water is peaking.
- 3.3. The face mask shall have an inner mask to reduce misting and dead space so that the mask is always remain at center.
- 3.4. Face mask shall be secured to the face by means of an adjustable/replaceable head harness and they shall be fitted with a neck strap to support them when not being worn. There shall be five head harness but one strap i.e the top one should be prefixed.
- 3.5. Means for speech transmission shall be incorporated and so designed that it is in front of the mouth.
- 3.6. The face mask shall be constructed of silicon rubber in order that it is soft, light in weight, comfortable to the wearer to wear for long duration, resistant to chemicals and heat, thus having longer life.
- 3.7. The connection for demand valve shall be provided in front of the Face Mask.

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3.8. The visor shall be made of clear polycarbonate.

4.0 FACE CONNECTOR.

The connection between the face mask and the demand valve shall be of Click-on/push fit type well secured so that, the set is having fully automatic positive pressure, there is optimum utilization of compressed air stores in the cylinder and the mask by mistake is not used with a filter canister.

5.0 HEAD HARNESS

The head harness shall hold the face mask firmly and comfortably in position. It shall be moulded from silicon rubber. It should be easily detachable for cleaning and decontamination.

There shall be five quick release harnesses out of which only 4 shall need to be tightening with the 5th i.e top one shall be prefixed to ensure quick donning and center placing of the mask while wearing.

6.0 BODY HARNESS

The body harness shall be designed to allow the user to done the apparatus quickly and easily without assistance and shall be adjustable for fit. Buckles fitted to waist and shoulder harness shall be constructed that once adjusted they will not slip.

7.0 EXHALATION VALVE

The apparatus shall be provided with an unidirectional exhalation valve spring loaded to maintain positive pressure in the face mask. The resistance of the valve should not exceed 6 mili bars, it shall be protected against dirt and mechanical damaged.

8.0 DEMAND VALVE

It shall be fully automatic positive type. Designed to provide a flow rate of at least 50 ltrs/min at all cylinder pressure above 20 bar. It shall be designed to push fit/click on to the mask.

9.0 HIGH PRESSURE TUBE

It shall be having outer covering of neoprene rubber. The test pressure of the tube shall be above 600 bars. It shall be fitted to the set in a manner that it cannot be separated by hand. The entire high pressure tube shall be covered by a medium pressure tube having medium pressure supply for safety reasons.

10.0 MEDIUM PRESSURE TUBE

It shall be having outer covering of neoprene rubber. The test pressure of the tube shall be above 20 bars. It shall be so designed that it can be separated by hand and cannot be fitted at the joints where High Pressure Tube is fitted.

11.0 PRESSURE GAUGE

- 11.1 It shall indicate pressure on opening of the cylinder. The range shall be 0-350 bars. It shall be placed that the wearer can easily see the pressure while using the set.
- 11.2 The pressure gauge shall have a blowout release. The blowout release should be so located that in the event of an explosion or fracture of the pressure element of the gauge, the blast will be away from the front. The gauge window shall be made of material of non-splintering glass or of clear plastic materials.
- 11.3 A tap or restrictor shall be provided so that if pressure gauge and connection hose are removed from the apparatus, flow will not exceed 25 lit/Min at full cylinder pressure, if the gauge or flexible connecting tube be damaged after the apparatus has been functioning for a period of time equal to half the nominal working duration with an air consumption of 40 l/min the loss of air from the damaged component shall not reduce the normal effective duration of the apparatus by more than the reserved period.

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12.0 WARNING DEVICE

The apparatus shall be provided with warning whistle next to the pressure gauge. It shall be consuming minimum amount of compressed air and should emit continuous at least 90 dbls sound. Warning whistle next to pressure gauge enables to user to ascertain his whistle and can check the same.

13.0 BACK PLATE

It is to be made of light weight glass and carbon filled nylon composite back plate and intrinsically flame retardant 100% Kevlar.

The back plate shall be so designed that the user can lift the set by having a firm grip of back plate in order to avoid lifting of set from cylinder valve or body harness. The method of fixing cylinder shall be such that 4,6 and 9 liter cylinder of working pressure 200/207/300 bar can be fitted without any alternation.

14.0 PRESSURE REDUCER

The apparatus shall be provided with a diaphragm less piston pressure reducer which is capable of reducing pressure from 300 bars to 7 bars (approx). The designing shall be such that back pressure development shall be minimum, second incept/outlet shall be provided on the reducer. High pressure and medium pressure safety shall also be provided on the reducer.

15.0 ADSU

- a) Should be made of solid state technology – infrared motion sensor with no internal contacts to wear out.
- b) Should be provided with long life lithium magnesium dioxide batteries.
- c) Should have loud minimum 90 decibel alarm.

16.0 GAS CYLINDER & MAIN VALVE.

Cylinder used shall be of carbon composite having 6/6.8 liter water capacities, 300 bar working pressure 1800 liters compressed air for 45/46 minute duration. The cylinder & valve should be approved by Chief Controller of Explosive, Nagpur, India.

17.0 PACKING

The breathing apparatus shall be packed in hard bag moulded plastic or FRP.

18.0 MARKING

The trademark of manufactures Identification shall be marked on the facemask, demand valve, pressure reducer and back plate. The serial number of the set and the date of manufacturing shall also be marked on the back plate.

19.0 INSPECTION:-

Joint Pre-Dispatch Inspection (PDI) shall carried out during 3rd Stage Pre-Dispatch inspection of Appendix – A at work place of manufacturer. Further :

- a) Equipment should be procured from the manufacturers.
- b) Brand name shall not mention in the specification.
- c) Manufacturer needs to have all test facilities.

NOTE TO TENDERER:

- 1. The tenderer shall indicate **the Made/Model** in their offer.
- 2. They shall mention the relevant BIS/EN/DIN/UL certificate of the product offered.
- 3. Technical manual comprising of servicing details shall be supplied with system.
- 4. Relevant Test certificates shall be provided from a Govt. approved laboratory or from the manufacturer.

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APPENDIX - D : NON-PERCOLATING FLEXIBLE FIRE FIGHTING DELIVERY HOSES

- i) It shall be good finished, durable, BIS marked having internal diameter 63 mm.
- ii) It shall be 22.5 mtr in length
- iii) Delivery hoses conforming to IS 636-2018
- iv) It shall be Type-3 i.e covered with elastomeric outer coating as reinforcement to give the hoses very low absorptions of acid & alkalis and high resistance to abrasion and direct heat.
- v) All delivery hoses shall bind with Copper wire with BIS marked instantaneous GM male/female couplings conforming to IS- 903-1993 on both ends for firefighting use.
- vi) The delivery hoses must fulfill all the requirements of Type- tests, acceptance tests and other tests, marking as laid down in the IS-636-2018

APPENDIX - E : ALLOY ALUMINIUM EXTENSION LADDER

1. General:

- a) The standard lays down the requirements regarding materials, constructions, and workmanship, finish and acceptance tests of aluminum extension ladder for firefighting and rescue operations.
- b) The alloy aluminum extension ladder must consist of one main and one extending section. The design shall be such as to ensure easy sliding of extending section without excessive clearance in the guide & over extension of the ladder. The extending section shall be guided throughout the full range of extension in a manner such that the sections cannot separate, retaining clips being on the main section

2. Materials:

- a) The construction of the ladder should be made with a view to combine lightness with strength and durability.
- b) Aluminum alloy strings and rounds to be used for construction of the ladder to make it light in weight, rust proof, rot proof, fire proof.
- c) Manila rope three strands, confirming to is 1084 over a pulley (on the main section) shall be fitted for extension and lowering the ladder of required length.
- d) Locking pawls must be of aluminum alloy castings.

3. Size :

- a) Fully extended length - not less than 10.5mtr
- b) Closed length - not more than 06.25mtr.
- c) Weight - not more than 48 kg

4. Description:

- a) The ladder must consist of one main and one extending section, the width of the narrowest section inside the strings being not less than 12". The rounds shall be with non-slip serrations running the full length. These shall be fixed by expanding and flaring and shall be spaced at 25 cm center to center.
- b) The heels of the strings of lower section shall be fitted with rubber feet. The pawls shall be bolted to strings and their action shall be such that they are set for engagement until they have been rested on a round, and trip to clear immediately the ladder is extended
- c) The design of the ladder must be such to ensure easy sliding of extending sections without excessive clearance in the guide and over extension of the ladder.
- d) Extending sections must be guided throughout the full range of extension in such a manner that it cannot separate.
- e) Ladder must be capable of being fully extended by two men by means of rope over a pulley on the main section, so as to leave the working face of the ladder unobstructed.
- f) The ladder is extended by hand the rope must be of 45mm circumference dia. To provide a convenient grip and must be reasonably flexible when wet.

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- g) The end of the rope must be attached to the bottom of the main section so as to leave the minimum amount of slack when the ladder is fully housed.
- h) Safety limits must be fitted for preventing over extension of the ladder.
- i) The extending section coincides, preferably so arranged that they engage automatically, release being effected by slightly extending the ladder before lowering the action of the pawl being such that they are set for engagement until they have been rested on a round, and trip to clear immediately the ladder is extended.
- j) Steps to be fitted by single rivet direct pin punch system and the sides of the ladder to be fully packed.
- k) The other constructional features and testing parameters of Aluminum extension ladder shall confirm to IS 4571 – 1977 and its latest version.

5. Workmanship & finish:

- a) **Marking :** The extension ladder shall be clearly and permanently marked with the following information
 - i) Manufacturers name or trade mark if any
 - ii) The size of the ladder and
 - iii) Year of manufacture
- b) It is essential that the standard of workmanship is such that spares can be provided for all replaceable parts and that they will fit without any difficulty.
- c) Finish must be good, that any surface of the ladder such as strings or rounds must not be buffed as the ladder will reflect light and thus cause difficulty in rescue operations.
- d) The product must also be marked with standard ISI mark

APPENDIX - F : FIRE RETARDANT DANGRI/OVERALL

1.0 GENERAL:

Fire retardant dangri/Overall shall be designed and configured to provide protection to the torso, arms, neck and legs excluding the head, hands and feet during the activities of rescue and fire fighting in building, enclosed structure, vessels or like properties that are involved in fire or emergency situation. Fire retardant dangri/coverall Fabric shall ensure no deterioration in flame retardancy over the passage of time and also excellent drape, softness and moisture absorption as par with the natural fibers making it ideal work wear for fire fighting operations.

2.0 FABRIC:

Fire Retardant Fabric for Dangri/Overall shall be inherently and permanently flame retardant and no chemical coating shall be applied to make it flame retardant. Weight of fabric shall be 350 gm (+5%) per square meter with a tolerance limit of + 10% Width of the fabric shall be 148 cm ($\pm 2\%$). Colour of the Dangri/coverall shall be either Blue or any other colour as decided by the purchaser and supplier.

3.0 DESIGN:

Fire Retardant Dangri/Overall shall be in one piece and the front closure shall be constructed in a manner that provide secure and complete moisture and thermal protection. If non-positive fasteners such as snaps and hook and file tape are utilized in garment closures, a positive locking fastener such as hook and does of zippers shall also be utilized. Hooks and does shall be non ferrous. Two Nos. of shoulders flaps shall be provided on shoulders.

4.0 POCKETS AND FLAPS:

Two chest pockets and 02 knee side trouser pockets shall be provided with means of drainage of water and shall have a means of fastening them in the closed position.

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All seams assemblies shall be tested for breaking strength and shall demonstrate a sewn seam strength equal to or greater than the fabric strength.

All threads utilized in the construction of the Fire Retardant Dangri shall be tested for heat resistance and shall not ignite, melt or char when tested.

6.3 FLAME RETARDENCY OF FABRIC FOR RETARDANT DANGRIES:

Fabric used for Fire Retardant Dangri shall have been tested and passed by the DIFR or other recognized institute in accordance with IS-11871-1986 to determining the flame retardancy and durability requirements as per BS-3120.

7.0 SIZE:

Size of dangries shall be suitable for an average Indian Height in three sizes (small medium and large) 5'8", 5'10,6' or decided between the purchase and supplier.

8.0 FLAME RETARDANT RETRO REFLECTIVE STRIPS:

One flame retardant Retro reflective strip of 7.5 cm width in Red-Orange colour shall be provided in complete round on chest and back and another round strip of same width be provided on both thighs of the dangri for clear vision.

Flame Retardant Retro Reflective material shall be either approved by NFPA or tested and passed by DIFR or other recognized institute in accordance with IS-11871-1986 to determine the fire retardancy and durability requirement as per BS-3120.

Flame Retardant Retro Reflective material shall have a daytime colour of fluorescent Red Orange for visibility during day time hours and white reflection in dark or night hours. Material shall confirm the following data.

- | | | |
|--------------------------|---|---------|
| a) Entrance angle | : | 4.0 deg |
| b) Observation Angle | : | 0.2 deg |
| c) Ra Typical Brightness | : | -175 |
| d) Minimum Ra | : | -138 |

9.0 GARMENT LABELING:

Fire Retardant Dangri shall have a formal label permanently and conspicuously attached upon which warning and all possible information of garment utilization are printed at least 1.5 mm high letters. It shall also contain the following information.

- 1) Manufacturer's Name & Trademark
- 2) Manufacturer's Address
- 3) Date of Manufacture
- 4) Size
- 5) Cleaning & Drying instruction
- 6) Garment material
- 7) Life

10.0 USERS INFORMATION:

Manufacture shall provide the following instruction and information with each garment.

1. Cleaning/washing instruction
2. Maintenance criteria
3. Method of Repair
4. Warranty information/safety consideration/storage condition
5. Decontamination procedure
6. Proposed life of Garment

NOTE TO TENDERER:

1. They shall mention the relevant/governing I.S. specification of material.
2. Relevant Test certificates shall be provided from a Govt. approved laboratory..

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(BACK PACK TYPE/HIGH PRESSURE)**

<u>SL NO</u>	<u>TECHNICAL PARAMETER</u>	<u>QRS/SPECIFICATION</u>
1.	Nomenclature/Name of product/gadget/equipment	High pressure water mist CAF fire extinguisher Back pack type, ultra-light, Carbon composite with Pet liner.
2.	Conformity	The Water Mist & CAF (Back Pack) high pressure extinguisher shall be confirmed to EN-3-7:2004+A1:2007 standards.
3.	Mounting type	Backpack
4.	Configuration/description	It shall be mounted on a study frame suitable cushioned for comfort, provided with shoulder pads for carrying as a backpack and a handle to be carried by hand. All material used shall be of fire retardant type. Backpack shall be supplied with air cylinders.
5.	Model & make	Model Number shall be permanently marked as declared in Accredited Laboratory Test Report.
6.	Main Components	Pressure vessel shall be hold the media with safety valve, compressed air cylinder coupled with a reducer, hose pipes for discharge of water mist media, extinguishing gun.

CONSTRUCTION

7.	Air Cylinder Material	Ultra light Carbon composite with PET.
8.	Type of foam	AFFF Compound conforming for higher fire rating A55, B233, spreading coefficient for special AFFF Compound shall be +5 minimum, concentration shall be 6%.
9.	Type of Foam	Commercial Brand Name of the Special foam (fire extinguishing medium) as per accredited laboratory test report wherein higher fire rating i.e. A55, B233, E1000 V (Die Electric Suitability) achieved, to be declared.
10.	Characteristics of extinguishing medium of AFFF Compound with infrared spectrogram (to be furnished).	Characteristics of extinguishing medium of Special AFFF compound shall be- Density:1.04 (kg/cm ³ , Viscosity : 1.35 (m ² /s, pH Factor 7.8, Refractive Index 1.34 @ 20+/-20C
11.	Pressure Vessel Material & Capacity (Nominal Charge)	Ultra light Carbon Composite with PET Liner of 9/10 liter capacity.
12.	Minimum wall thickness of pressure vessel (mm)	Minimum wall thickness of pressure vessel should be 5 mm
13.	Extinguishing gun material	Stainless Steel
14.	Weight of extinguishing gun	Shall not more than 750+/-50gram.
15.	Length of standard of hose for backpack system	Hose shall be EN marked, not less than 1.3 meters for backpack system.
16.	Weight of fully charged Backpack system	Weight of fully charged Ultra light Carbon composite with PET liner Backpack system shall be not more than 20kg.

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- | | | |
|-----|------------------------------|---|
| 17. | Air Cylinder Capacity (Ltrs) | 2 liter |
| 18. | Air Cylinder pressure (Bar) | 300 bar |
| 19. | High Pressure Type | High Pressure Type (Dynamic Operating pressure to be tested un the accredited laboratory test report which will be considered as high pressure for as per clause No. 3.15 of EN 3 – 7:2004 + AI: 2007-08 € Standard.) ≥37.6 Bar for ultra light Carbon composite with PET Liner vessel. |
| 20. | Lancing Distance of Gun | More than 15 +/-2 meter |
| 21. | Minimum operating time | Less than 25 second |
| 22. | Operating temperature | System shall be designed for 600C or more and minimum 50 c or less and certified by the manufacture as per clause 7.4 of EN 3-7:2004+A1:2007-08 standards as per the accredited test report for backpack system. |
| 23. | Fire rating | 55 A, 233B, 1000V with AFFF Compound as per EN. |

CERTIFICATION:

- | | | |
|-----|--|--|
| 24. | Approval | PED (Pressure Equipment Directives) approval as per 97/23/EC (Encumbrance Certificate). |
| 25. | Pressure Gauge | Pressure vessel shall be fitted with a pressure gauge (CE Marked). |
| 26. | NOC (No objection certificate) | No objection certificate (NOC) for air cylinder and its valve pressure Vessel from Petroleum and explosives Safety Organization (PESO)/approval of CCE Nagpur is mandatory. |
| 27. | Pressure Vessel | Pressure Vessel shall be CE marked from Notified body. |
| 28. | Consent from OEM | Specific consent of the OEM for the value additions made along with a confirmation that fire ratings of the equipment would not be affected by these value additions. |
| 29. | Test reports | Test Reports No. should be declared/mentioned with date. |
| 30. | Declaration about Govt. Accredited Laboratory where Test Conducted | Name of ILAC/NABL/ Central Govt. Accredited Laboratory where Test Conducted is required. |
| 31. | Pre dispatch inspection | Pre dispatch Inspection (PDI) of product shall be carried out by CISF fire officers as per specification, at the vendor site where all the testing facilities are available. |

V. GENERAL SPECIFICATIONS OF MACHINE :

- a) Chassis is to be purchased in the name of BRBNMPL
- b) The appliances are to be procured from the OEM (Original Equipment Manufacturer) or authorized agency/agencies.
- c) The design of vehicle to be such that it shall not affect the Chassis Characteristic as specified by the chassis manufacture such as speed, turning, circle, acceleration, braking distance etc.

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- d) All the items are subjected to Pre-Dispatch inspection in stages and stage wise test facility should be available with the vendor.
- e) The supplier shall have all Test Facilities as per relevant Indian or International Standards.
- f) Bidder shall mention the relevant IS/BIS/EN/DIN/UL certificate of the products offered in all the appendixes.
- g) The fabricated vehicle shall meet all the regulations with respect to Motor Vehicle Act/RTO regulation enforce.

VI. SCOPE OF SUPPLY / WORK :

- a) Supply of Equipment as per Requirement and Specification as mentioned in the Tender.
- b) Delivery, Commissioning, Performance Testing and Training at BRBNMPL, Salboni.
- c) **Temporarily Registration:** Bidder shall ensure chassis/unit Temporary registration formalities (including road tax, Insurance and other taxes or duties). Supplier shall arrange and pay for Statutory Charges like Temporary Regn., Insurance, Road Tax etc. related to Purchase of Chassis and same will be reimbursed by BRBNMPL, at actual, on submission of documentary evidence. Payment will be released at time of Payment towards Chassis. Any extension of Temporary Registration is responsibility of the supplier. Cost incurred thus will be borne by the supplier.
- d) The bidder will arrange all necessary registration /permit & insurance (Transit and any other) till vehicle is delivered at BRBNMPL, Salboni site.
- e) **Local Registration** After delivery at site, Supplier shall arrange and pay for Local Registration, Insurance, Road Tax etc. of the Water Tender in the name of BRBNMPL and same will be reimbursed by BRBNMPL, at actual, on submission of documentary evidences.
- f) All necessary environmental/pollution clearance for Water Tender to be complied.

VII. OTHER TERMS AND CONDITIONS :

- a) **Final Acceptance Test / Performance Trial :** Notwithstanding the Pre-Shipment Inspection, on completion of successful Supply, actual performance trial shall be taken in the presence of the Supplier's representatives at BRBNMPL, Salboni. Wherein the Supplier has to demonstrate parameters and functioning Fire Tender, Accessories and Advanced Firefighting Ancillaries as per the contract / tender specifications.
- b) **Training :** The Supplier shall provide free training on operation, programming, maintenance, troubleshooting etc. of the supplied items to BRBNMPL / CISF operational & maintenance crew at BRBNMPL, Salboni..
- c) **Pre-shipment Inspection/Pre-Dispatch Inspection (PDI):** All the items mentioned in above Appendixes shall be inspected in stages before Final Dispatch at designated premises of the Supplier. Pre-shipment inspection shall be done at one location of the Supplier. It is the responsibility of the Supplier to arrange and keep all the Testing Equipment / auxiliary systems available at the same designated location for each stage of pre-shipment Inspection. Supplier must inform in advance about the readiness of the item before each stage. Details of Pre-dispatch Inspection (PDI) is as mentioned in Appendix – A.

In case of rejection during pre-shipment inspection, the same will be re-inspection without prejudice to the contract obligations and Liquidated Damages (LD).
BRBNMPL shall bear cost of travel for boarding and lodging costs incurred in connection with each stage of the pre-shipment inspection. The Supplier shall make necessary arrangements for the local transport during the visit of the team to the Supplier's premises.
- d) **Tool Kit :** Standard Tool Kit(s) for with suitable Mechanical / Electrical tools and tackles along with special tools for maintenance shall be part of supply. The cost of the same is to be included in your quote. No separate payment will be done in this regard

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- e) **Warranty** : The Supplier should provide **Onsite Comprehensive Warranty for One (1) Year** for all the Tendered Items from the date of Acceptance of the Items as per the tender condition. In case of any claim arising out of this warranty, BRBNMPL shall notify the same to the Supplier. Upon receipt of such notice, the Supplier shall repair or replace the defective goods or parts thereof, free of cost at BRBNMPL's site. 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.

If the Supplier, having been notified, fails to rectify / replace the defect(s) within a reasonable period, BRBNMPL may proceed to take such remedial action(s) as deemed fit by BRBNMPL, at the risk and expense of the Supplier and without prejudice to other contractual rights and remedies, which BRBNMPL may have against the Supplier.

- f) **Documents to be Supplied along with Techno-Commercial Bid (Part - I) :**

- (i) Chassis technical specification.
- (ii) GA (General Arrangement) drawing of Water Tender.
- (iii) Product Catalogue / Manual of Accessories and Advanced Firefighting Ancillaries.

- g) **Documents to be Supplied along with the Delivery (on award of contract):**

- (i) Chassis technical specification.
- (ii) Road Worthiness Certificate (Form - 22A)
- (iii) Vehicle Registration documents (road tax, Insurance and any other taxes/duties).
- (iv) Transit Insurance paper.
- (v) Test certificate from a Govt. approved laboratory or from the manufacturer.
- (vi) Environmental / Pollution clearance certificate of Water Tender.
- (vii) Operation and maintenance / Technical Manual - Should include start-up instructions, maintenance data with troubleshooting guide.
- (viii) Relevant Certificates for Advanced Firefighting Ancillaries in Item in Appendix - G

VIII. IMPORTANT NOTE TO BIDDERS:

- a) BRBNMPL reserves the right to reject any application without assigning any reasons, what so ever, without any intimation, on **National security considerations** or any other ground.
- b) It shall be the sole responsibility of the Supplier to ensure safety of all his workers. Supplier shall ensure that all workmen engaged by him use protective equipment as required. Any untoward incident arising out of improper supervision or inadequate safety measures will be the sole responsibility of the Supplier. The Supplier shall conform to all the Labour Laws and shall remain solely responsible for the obligation under the relevant statutory provisions.
- c) BRBNMPL is a security organization and the Govt. of West Bengal declares the premise as Prohibited Area. Hence Supplier has to abide by the security & safety rules of the Company.
- d) Any damages to Company's Assets arising out of negligence, improper handling etc. will be viewed seriously. In such a case, the entire expenditure incurred for rectifying the damage will be borne by the Supplier. Decision of BRBNMPL on the factual position of negligence on the part of contractor's personnel will be final

Note : If desired, the intending bidders may visit BRBNMPL, Salboni on prior appointment for Tender related queries and interact with the technical team to understand the actual requirements of the system before submission of offer. Ignorance of Site Condition and System requirements after submission of Offer will not be entertained.

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COMPLIANCE STATEMENT**(To be filled, signed & stamped and submitted along with Technical Bid Part -I)****A. TECHNICAL : Appendix - A : Type-B Water Tender BIS- 950 & List of Accessories**

Sl. No.	Requirement as per Tender	Offered by Bidder	Deviation, if any
01	<u>SCOPE</u> Fabrications of Water Tender on TATA / Ashok Leyland / Eicher make minimum 16 Ton GVW or equivalent, minimum 4500 mm WB, BS VI or above Cowl Chassis as per specification with required accessories and equipments as per attached specifications. The water tender shall be fabricated with the best material and good workmanship, ensuring effective and efficient operation of the Tender. All wiring shall be properly fixed in position & shall be protected against heat, oil & physical damage, wherever necessary wiring shall pass through PVC sleeves. All important electrical circuits shall have separate fuses suitably indicated and grouped in a common fuse box located in an easily accessible position. Drag Hook or eye of adequate strength & design shall be provided at the rear and front of chassis.	YES	
02	<u>GENERAL REQUIREMENTS:</u> The Water Tender shall incorporate a Fire Pump of High & Low Pressure of at least 3000 LPM of water at a pressure 7 Kg/cm ² and 300 LPM @ 35 Kg/cm ² capacity, a water tank of 6000 ltrs. Capacity made of Stainless Steel : 316, accessories (59 types) as per Serial No. - 28 of Appendix - A and various types of <u>Advanced Firefighting Ancillaries</u> (6 types) Serial No. - 29 of Appendix - A . The water tender shall be fabricated in such a manner so as to conform the following characteristics Gross vehicle weight : Gross vehicle weight shall be min. 16 ton Maximum speed : 72 km/h (Fully Laden) The appliance shall be capable of being started from rest on a gradient 1 to 4 (Fully Laden) Acceleration : 64 km/h in 55 sec. (Fully Laden) Wheel base : Not more than 4500 mm Turning circle : Not more than 20 m Road clearance : Not more than 23 cm Over all with : Not more than 2.50 m	YES	
03	<u>CHASSIS</u> The chassis shall be suitable with minimum 16 Tons GVW. Tender is proposed to be fabricated on Ashok Leyland/TATA/Eicher or any equivalent chassis. <u>The engine fitted on the chassis shall comply with the respective emission norms in force at the time of delivery of chassis.</u> The chassis shall be with the following specifications. 1. Engine : Diesel engine developing not less than 150 BHP and conforming to prevalent emission norms. 2. Clutch: Single plate dry friction type hydraulically actuated.	YES	

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	3. Gear :Synchronesh gear box with 6 forward & 1 reverse gear 4. Front Axle : Heavy duty, forged, 'I' beam. 5. Rear Axle : Single reduction, hypoid gears, fully floating axle shaft. 6. Steering : Integral hydraulic power assisted steering. 7 Brakes : Dual circuit fully air braking system with pneumatically operated. Brakes on rear wheels. 8 Suspension : Semi-elliptical leaf spring at front and rear with Hydraulic double acting shock absorber on front. 9 Frame : Ladder type heavy duty frame with riveted / bolted cross members. 10 Wheels and Tyre : Suitable size available in local market with minimum 16 PR – 7 Nos. (Including spare wheel). 11 Fuel Tank : Minimum 160 litres capacity. 12 Electrical system : 12/24 volts. 120 Ah capacity battery with Alternator. 13 Cowl : Standard cowl duly painted in RED colour with instrument cluster, rear view mirrors, Wiper system, original driver seat, safety belts. 14 GVW : Not less than 16000 Kgs. 15 Safety features : Anti-Lock Breaking System (ABS).		
04	<u>PUMP</u> 4.1 The pump shall be centrifugal type, multi pressure, having output capacity of 3000 LPM at 8 K=kg/cm ² and 300 LPM at 35 kgs/cm ² at 3 Mtr, suction lift at NTP condition. The low-pressure side will be of single stage and the high-pressure side also with single stage having regenerative type impeller. The Pump shall be CE certified/UL listed 4.2 The pump shall comply with the following performance parameters. a) Normal Pressure output : 3000 LPM at 8 Kgs/cm ² b) High pressure output : 300 LPM at 35 Kgs/cm ² c) Maximum pressure in Normal pressure mode : 14 kg/cm ² (shut off pressure) d) Maximum pressure in High pressure mode : 35 kg/cm ² - e) Deep lifting capacity of Pump : 30 cm/sec. max. Upto 7 Mtrs. in 30sec. at NTP condition. 4.3 The overall pump shall be constructed from gunmetal. The normal (low) pressure impeller, volute, and impeller	YES	

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	<p>wearing shall be made from gunmetal confirming to Gr II of IS: 318 and the regenerative type high pressure impeller shall be Aluminum, Bronze (AB-2). The pump shaft shall be made from stainless steel confirming to IS: 6603. The bearing housing will be made of C.I. and all the studs and bolts coming in contact with water shall be of stainless steel. The bearings used in the pump shall be of reputed make.</p> <p>4.4 The normal and high-pressure impeller shall be mounted on a single shaft and normal (low) pressure impeller shall be dynamically balanced.</p>		
	<p>4.5 The pump shall be provided with self-adjusting mechanical carbon seal with interface plate. The mechanical seal assembly shall with stand dry running of pump up to 2 minutes without any damages.</p> <p>4.6 The pump shall be provided with an inbuilt filter of easily removable type, which shall filter the water before entering into the high-pressure stage impeller.</p> <p>4.7 Operation of low pressure to high pressure or vice-a-versa shall be possible by actuation of single lever.</p> <p>4.8 The pump shall have facility to operate low pressure and high-pressure mode simultaneously or individually. While high pressure mode is in operation and delivering 300 LPM at 35 kg/cm², the pressure in low pressure side shall not exceed 8.5 kg/cm².</p> <p>4.9 The pump shall be provided in built (integrated in the pump outlet manifold) Pressure Relief Valve (PRV) which shall operate automatically and shall not allow the high pressure to increase beyond 40 kg/cm².</p> <p>4.10 The size of high-pressure outlet shall be of 25 mm connected to high-pressure hose reel.</p> <p>4.11 The pump shall be provided with one suction inlet of 125 mm dia. having round threads confirming to IS:902 and Four numbers of 63 mm delivery outlets having screw down type valves fitted with instantaneous couplings as per IS: 903. The delivery valve spindle sealing shall not be of gland type. The high-pressure outlet shall not be less than 25 mm and shall either be flange on screw type.</p> <p>4.12 The efficiency of the pump shall be such that the power and RPM required shall not be more than available with the engine.</p> <p>4.13 The pump housing shall have provision to connect to internal cooling system.</p> <p>4.14 The pump shall be mounted at the rear of the vehicle connected to P.T.O. by propeller shafts and universal and slip joints with sufficient number of bearing supports. All the propeller shafts shall be dynamically balanced and shall be procured from the OEM (the chassis manufacturer).</p> <p>4.15 Pump Primer - The priming system shall be horizontal Reciprocating type or water ring type. The priming shall be fully automatic in operation and shall not require any operation whatever from the pump operator other than</p>	YES	

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	throttling the engine to the required RPM. The primer shall get automatically disengaged once the pressure is registered at the pump. The primer shall be capable of lifting the water in 30 seconds from the depth of 7 mtrs. (up to pump inlet) at NTP condition. The pump shall attain a dry vacuum of 620 mm of Hg. The primer shall disengage automatically at a pump pressure of 1.5 to 2.0 kg/cm ² .		
05	<u>PUMP TEST :</u> The pump fitted on the vehicle shall be subjected to various tests as detailed below : 5.1 The pump with its all fitments will be subjected to Hydrostatic testing on a pressure of 21 kg/cm ² . 5.2 The pump shall be run dry for a period of minimum two minutes at 2000 RPM to check the integrity of mechanical carbon seal. After this test there shall not be any leakage of water through carbon seal. 5.3 The pump performance test will be carried out by running the pump at constant RPM at 2600 and measuring the discharge at various pressures. 5.4 The pump will be subjected to Endurance test for a period of Four hours continuous running. The first three hours the pump shall deliver rated output of 3000 LPM at 8 kg/cm ² and next one hour will be 300 LPM at 35 kg/cm ² . 5.5 During the endurance test the water shall not be replenished in the cooling system and the temperature of the cooling water and engine oil should not exceed the manufactures standard recommendations for the continuous operation and engine should not show any sign of stresses.	YES	
6.	<u>POWER TAKE OFF (PTO) :</u> The P.T.O shall be Heavy duty type with suitable ratio capable of transmitting the full torque of the engine in first gear. The lever for engine the P.T.O. shall be provided in the Drivers cabin with proper locking arrangement. The PTO shall be mounted on heavy duty cross members and support brackets between the longitudinal members of the chassis frame. Means shall be provided to check the oil level in the PTO and suitable drain plug shall be provided at the bottom. A cooling coil made of copper tubes shall be provided inside the PTO at the bottom to prevent the oil of the PTO from heating. The drive assembly components (shaft coupling etc.) should be dynamically balanced. (The make and photographs / catalogue shall be enclosed with the tender documents).	YES	
7.	<u>WATER TANK:</u> The capacity shall not be less than 6000 liters. The tank body and baffles shall be of minimum 5 mm thick MS plates confirming to IS: 2062. The sides of the tank shall have Die Pressed reinforced webs for better strength and rigidity. The designs of the tank should be such that the complete width of the vehicle is utilized and the height of the tank is to be kept as low as possible for better stability.	YES	

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	<p>7.1 A tank of required capacity constructed out of mild steel treated for anti-corrosion shall be suitable mounted on the chassis in a manner keeping in view the proper load distribution on the axles.</p> <p>7.2 A full length runner from behind from the driver cabin till end of chassis frame shall be provided and made out of M.S. Channel of 100 x 50 x 5 mm suitable fixed to the chassis, frame with 6 mm thick M.S plate and bolted to chassis frame wherever holes are available in the chassis frame and also with 5/8" 'U' bolts and nuts shall be nylock nuts only.</p> <p>7.3 The tank shall be suitable baffled with minimum 20 nos. of baffles fitted longitudinally and 2 nos. baffles fitted transversely to prevent surge when the vehicle is breaking, cornering or accelerating.</p> <p>7.4 The baffles shall be arranged in a manner to facilitate the passenger of a man throughout the tank for cleaning purpose.</p> <p>7.5 The tank shall be mounted on minimum three members to counter act the stresses caused by chassis flexion and shall be so secured that it can be easily removed. The water tank shall be provided with six chairs, three on either side for mounting the tank on the runner and chassis frame.</p> <p>7.6 The water tank shall be fixed to the chassis frame and runner with 'U' clamps and aluminum packing block and self-locking nuts.</p> <p>7.7 Suitable eyes shall be provided on the shell of the tank to enable it to be lifted from the vehicle for repairs/replacement as and when required.</p> <p>7.8 The tank shall be fitted with a 50 mm bore overflow pipe. Two 63 mm instantaneous hydrant connection, incorporating a strainer with NRV, shall be provided close to the pump control panel for filling the tank through 75 mm bore pipe. Minimum 125 mm bore pipe line shall be taken from the tank to the suction inlet of the pump incorporating minimum 125 mm internal dia butterfly type valve. Drain valve shall be provided at the bottom of the tank.</p> <p>7.9 The MS plates used for the tank shall be Zinc Plated or galvanized and shall be given adequate anti-corrosive treatment of epoxy treatment consisting of one coat of primer with two coats of finish after preparing the surface by sand or shot blasting from inside and outside after fabrication if it is not galvanized. The open end of the overflow pipe should be taken down to a point well below the chassis without affecting the effective ground clearances when fully loaded and shall discharge away from the wheels.</p> <p>7.10 Visual level gauge of the glass / acrylic tube shall be provided at the control panel calibrated 1/4 ,1/2,3/4 and full (preferably calibrate in litres).</p> <p>7.11 The tank shall have a bolted manhole of 60 cm dia minimum and should have a gun metal threaded ring and gun metal cap of 30 cm dia for filling the water tank from the top. The manhole cover shall be made from 5 mm thick M.S plate and epoxy coated from inside and outside. A cleaning hole of at least 25 cm dia shall also be provided at the bottom.</p>		
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	<p>7.12 The tank shall be connected with the pump and hose reel and valves (s) shall be provided in such a way that any of the following operations are possible:</p> <ul style="list-style-type: none"> a. Hydrant-tank, b. Hydrant-reel c. Tank-pump-high and low pressure hose reels. d. Hydrant-pump-low pressure hose reel, and e. Tank-pump-Monitor f. Hydrant – Monitor (Separate) g. Tank to Pump - 4Deliveries 		
8.	<p>DELIVERY OUTLETS :</p> <p>There shall be 4 Nos. delivery outlets having standard GM inst. female coupling with screw down type delivery valves with blank caps. It should have twist type lugs made of gun metal.</p> <p>02 nos are to be mounted on the pump at rear side of the vehicle and remaining 02 Nos shall be positioned left and right of body end at rear side.</p>	YES	
9.	<p>HIGH PRESSURE HOSE REEL :</p> <p>Two high pressure hose reel to facilitate operation of the high pressure section of the Fire Pump shall be provided and mounted so as to be accessible for use from either side of the appliance. The hose should be prevented from kinking. The hose shall be light weight PVC nylon braided hose or equivalent and the working pressure of hose will not be less than 40 Kg/cm² . The high-pressure hose reel shall hold 30 meter of hose in one length, terminating in a high-pressure fog gun. Plumbing between the pump and hose reel shall have clean and unobstructed waterway of not less than 25 mm throughout with any restriction.</p> <p>The high pressure Hose reels will hold not less than 30 M of hose in one length, terminating in High pressure fog/jet trigger type gun connected by quick connect couplings. The fog gun shall be made of Aluminum alloy or stainless steel (SS 304).</p> <p>The inlet connection shall have a leak proof rotating type hose connector. The gun shall be of constant flow type with a discharge capacity of 150 LPM approximately. Provision shall be made in the gun controls to achieve combat mode (straight jet) or a fog shield in split second. The gun shall have the ability to work on pressure from 20 kg/cm² to 40 kg/cm² without affecting discharge pattern. The weight of the gun assembly shall not be more than 3 kg.</p>	YES	
10.	<p>COOLING SYSTEM:</p> <p>To avoid over heating of the engine, in addition to cooling by radiator, an indirect cooling system of the open circuit type should be provided, discharging water in the open, away from the engine of the vehicle.</p>	YES	

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11.	WATER MONITOR : One water monitor will be provided on the top at suitable location, with cap. of 3000 LPM of water @8.5 kg/cm ² . The monitor will be capable of traversing through 360° in horizontal plane, +75° & -15° in vertical plane with discharge range of 70 M (water). The detailed specification of the Monitor is as under : a) Size : 100 mm b) Body : Barrel of SS, GM swivel joint for horizontal & vertical motion manual operation c) Rotation : 360° d) Elevation : 90 degree +75 degree & -15° 11.1 CONSTRUCTION DETAILS Complete construction of the monitor should be of SS 304 and hard anodized aluminum alloy nozzle should have arrangement for Foam induction, with Jet-spray arrangement. a) Working pressure : 7 to 10 Kg/cm ² . b) Painting : As per IS:5 (2 coats of red enamel paint)	YES	
12	<u>CONTROL PANEL</u> 12.1 Adequately illuminated control panel shall be provided near the pump. 12.2 The control panel(s) shall include the following : a) Throttle control for engine: b) Pressure gauge – 0 to 17.5 kgf/cm ² ; for low pressure (glycerin filled) Pressure gauge – 0 to 50 kgf/cm ² ; for high pressure (glycerin filled) c) Compound gauge (glycerin filled) calibrated as under : Vacuum – 0 to 75 cm Hg, preferably in black; Pressure – 0 to 15 kgf/cm ² , preferably in black; d) Primer control for exhaust primer e) Temperature gauge and glow lamp for lubricating system f) Cooling water circuit control g) Water tank valve h) Foam tank valve i) Foam proportioning valve j) Auxiliary foam connection with valve k) Monitor valve l) Delivery valves. m) Suction inlet. n) Hose reel valves. o) Water level indicator p) Foam level indicator In addition to the items mentioned above, any other items that may be essential shall also be provided. Any of these items, which are also required in the driver's cabin, shall be provided at suitable locations in the driver's cabin.	YES	

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13.	<p>BODY WORK AND STOWAGE</p> <p>13.1 Enclosed accommodation for six persons shall be provided in the driver cab-cum-crew compartment including the driver and in-charge of the crew. Both the seats should be independent. The driver seat should be adjustable and comfortable. The rear compartment of drivers cabin should have one removable seat for full width of cab for 5 (five) crew members. The cab floor should be covered with 3 mm thick Aluminum chequered plate rigidly fixed to the under frame cross members by means of nuts and bolts or riveting excepts the mudguard arches which shall be covered with 1.60 mm Aluminum chequered plates. Trap doors for topping up oil etc. Wherever necessary shall be provided.</p> <p>13.2 Grand type light should be provided in the driver's cabin dwell vision and external rear view mirrors should be fitted to the cab.</p> <p>13.3 The driver cum crew cabin shall be provided with full four doors, one for driver, one for officer and two at the crew compartment. The doors shall be generously sized for easy embarking/disembarking of crew members. All the doors shall be fitted on the super structural members, each hung upon three invisible coach type M.S stout hinges and fitted with best quality handles.</p> <p>13.4 The door handle on outside of driver seat shall have a locking arrangement. Other doors shall be lockable from inside. In addition to the doors locks, aluminum tower bolt shall be provided for all the doors from inside adequate grab rail shall be provided for easily boarding and alighting from the appliances.</p> <p>13.5 The windscreen glass shall be provided in the two halves and shall be semi curved type. Each glass shall be fitted in E.P.D.M rubber beading. The glasses shall be 5 mm thick toughened safety glass.</p> <p>13.6 The rubber beading used for fitting glasses and window frame shall be E.P.D.M rubber.</p> <p>13.7 The driver seat shall be adjustable type vertically, forward and backward. The officer seat shall be fixed type. Both the seats shall be rigidly/fixed to the flooring by means of nuts and bolts.</p> <p>13.8 The seat cushion shall be of latex foam rubber 75 mm thick upholstered in good quality foam leather cloth. The back seat shall be latex foam rubber 50 mm thick upholstered in good quality foam leather cloth.</p> <p>13.9 Below the crew seat, two lockers shall be provided One for battery box and another for keeping accessories. The extra length of battery cable if required shall be provided.</p> <p>13.10 The crew seat shall be rigidly fixed to floor by means of nuts and bolts, running full width of the vehicle suitable for sitting five firemen, covered with 75 mm x 50 mm cushion latex foam rubber upholstered in good quality foam leather of approved shade.</p>	YES	
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	<p>13.11 The rear body shall be fabricated in continuation and in line. The under frame cross members shall be fabricated from the rolled M.S. channel of 100 x 50 x 5 mm size.</p> <p>13.12 The M.S runner of 100 x 50 x 5 mm size shall be provided over the full length of the chassis member for the uniform distribution of load over the chassis.</p> <p>13.13 Each cross members shall be secured to the chassis frame by 16 mm dia 'U' Bolts with aluminum packing block and self-locking unit.</p> <p>13.14 Balata packing of thickness 6 mm shall be provided in between the chassis frame and across members.</p> <p>13.15 The structure/frame work shall be of welded constructions and made from 2mm thick MS pressed sections and square tubes. The angles and channels used shall be if min. 3mm thickness. The complete structure material shall be treated for anti-corrosion by Zinc Plating. The plating thickness shall not be less than 20 microns. Two coats of Epoxy paint shall be applied to the completely welded structure.</p> <p>The structure shall be so designed so as to avoid any vibration / ratting / deformation in the intended usage of the vehicle.</p> <p>13.16 The details of super structure are as follows:</p> <p>a) Under frame cross members : 100 x 50 x 5 mm (Min.)</p> <p>b) Floor longitudinal members : 50 x 50 x 6 mm (Min.)</p> <ul style="list-style-type: none"> ➤ The cab and lockers should be of composite construction with sufficient rigidity and reinforcement and shall be kept as light as possible. ➤ The interior paneling shall be done from 1.22 mm thick aluminum sheets & the exterior paneling shall be done from 1.60mm thick aluminum sheets. ➤ The roof on the cabin of the vehicle shall be covered with min. 1.60 mm thick aluminum chequered plates. All the lockers sides & complete rear of the vehicle shall be covered with min. 1.22 mm thick aluminum chequered plates. The complete rear deck and all lockers floors and rear foot boards shall be covered with minimum 3mm thick aluminum chequered plate. ➤ Sufficient number of Lockers with suitable shelves, partitions and roll in rollout type drawers/trays shall be provided on both sides of the vehicle for secure stowage of all equipment given in annexure. One through and through locker shall be provided immediately behind the drivers cab. All space available below the chassis frame level shall be utilized by providing lockers with proper doors. These doors shall be fitted with suitable chains and hooks on both sides so that the same can be used as foot board. ➤ All lockers shall be provided with internal automatic lighting arrangement with the master switch in the cab. ➤ All lockers above chassis floor shall be covered with Aluminum roller shutters. The roller shutters shall be of 		
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	<p>reputed makes like Fireco or MCD and shall be made from extruded aluminum sections with suitable roller, spring, guide channels etc. All aluminum sections used shall be properly anodized.</p> <ul style="list-style-type: none"> ➤ The Roller shutters shall be rolled inwards underneath the roof giving unobstructed access to the equipment lockers and the firefighting material. ➤ These roller shutters should open in every position of the vehicle even in rough terrain. Guide rails shall support the shutters over entire length on both sides to make them absolutely torsion free. The roller shutters should have a sturdy lock, preventing accidental opening during movement of vehicle. ➤ Roller shutters shall be made of hollow rectangular shaped aluminum links which shall be inter connected with rubber / plastic /PVC profiles sealing the roller shutter watertight when closed. These roller shutters should be durable, maintenance free, weather and corrosion resistant. ➤ Suitable storage space shall be provided to store four 2.5-m lengths of suction hose with couplings at convenient location. ➤ <u>SPECIAL PROVISION FOR STOWAGE OF EQUIPMENTS :</u> <p>For all hose fittings like branch pipes etc. Quick release type couplings are provided which enables the operator to locate the desired equipment instantly and thereby save valuable time at the time of fire. These coupling also ensure that none of the items damage the internal paneling & thereby increase the life of the vehicle. Suitable clams, brackets, holders etc. are provided for all other items.</p> <p>Arrangement to stow the BA Sets in the recessed back rest of the crew member seats shall be provided. The mechanism shall have locking and unlocking facilities to ensure proper fixing of BA Set in place. The arrangement shall be such that when BA sets are stored in the back rest, they shall not hamper the seating comfort of the crew members. The mechanism shall be from reputed international manufacturer with a vast supply experience. The arrangement shall also facilitate easy donning of the BA Sets by firemen while seated. (The make and photographs / catalogue shall be enclosed with the tender documents).</p> <p>The body of the whole Fire Tender shall generally be divided into 4 compartments, first shall be the driver cum crew cabin, second shall be loading compartment for the equipment to be stored & foam tank, third shall be the di-pressed water tank and the fourth rear compartment shall be mainly for housing the pump and the hose reels and storage space for Extinguishers and other items</p>		
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14.	<u>MISCELLANEOUS</u> <ul style="list-style-type: none"> ➤ A suitable bumper shall be provided at the rear rigidly fixed to the super structural members by means of nuts and bolts which is supplied along with the chassis. ➤ Two cat ladders made out of S.S. round or square pipe of 25mm dia shall be provided. ➤ 2nos. of 25mm dia aluminum pipe railing with sufficient number of aluminum double sockets brackets shall be provided to the rear body over the deck. ➤ A heavy duty Towing hook shall be provided and fitted the rear bumper by means of nuts and bolts. ➤ Quick removable type wire mesh guard made from 25x25mm size MS wire mesh of 1.60 mm covered in MS angle frame shall be provided to all the glasses of driver-cum-crew cabin. 	YES	
15.	<u>CABLE WINCH.</u> An electrically operated cable winch of Ramsey / Rotzler / Sepson make or equivalent having capacity of not less than 6.5 tons pulling capacity (single layer) should be provided and mounted in the front of the vehicle. The winch unit should be complete with minimum 5.5 HP, 12V DC series wound electric reversible motor for increased pulling power. The motor and solenoids shall be grounded to the battery. It shall have an automatic load holding brake system for more strength. For free spooling the clutch design shall be easy to use type with spring loaded pull and rotate system. The gear system should be 3 stage planetary type for faster line speed and the gear reduction ratio shall not be more than 300:1, the rope drum shall not be of more than 8 inches long having 3.5 inches dia and shall be supplied with minimum 90 ft. heavy duty galvanized EIPS wire rope with replaceable self-locking clevis hook and would be mounted on the front bumper of the vehicle with suitable strong supports and a 4 way roller fairlead. The Weight of the winch shall not be more than 55 Kgs. A wireless remote for 12 V systems or wired remote for 24 v system shall also be supplied with the unit.	YES	
16	<u>ELECTRICAL SYSTEM:</u> 16.1 All the important electrical circuits shall have separated fuses suitable indicated and shall be grouped into a common fuse box located at an accessible position. The wiring shall be single pole with negative earth. 16.2 The suitable size wire shall be selected for different circuits considering the current consumption for that circuit. 16.3 Electrical siren of 1.6 Kms. Range 12/24 volts D.C. shall be provided and fitted at suitable place with two controlling push buttons on one officer side and another at Driver side. 16.4 Two rotating beacon lights with Amber lens shall be provided over the top of driver's cabin. 16.5 The other lights pump cabin light, locker lights shall be of approved make. 16.6 All the controlling switches of lights on dashboard shall be approved make.	YES	

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	16.7 Two fog lamps of approved make shall be provided and fitted on front-bumper with controlling switch on dashboard. 16.8 New wiper motor assembly of 17 watts with new blades and arms shall be provided if not provided with the chassis. The location of wiper motor shall be such that it shall easily accessible for repairs. 16.9 Adjustable search light assembly shall be provided at a convenient position on the top of rear body deck with 30 mtrs Cable drum with Rexene cover. 16.10 Hooter cum P.A. system shall be provided with a speaker mounted on the top of Drivers cabin with Rexene cover. The output shall be 25 watts. 16.11 Adjustable spot light, mounted in a convenient position to give flood or beam of light at the rear of driver cabin shall be provided.		
17.	<u>LADDER WITH GALLOWS :</u> An aluminum extension ladder of 10.5 mtrs height shall be provided with the vehicle and mounted on suitable ladder gallows. The design of the gallows shall be such that the ladder can be released without difficulty from a reasonably accessible position. Means shall be provided for looking the ladder when stowed.	YES	
18	<u>PIPING :</u> All piping shall be sized so as to have minimum pressure drop & achieve the required pressure & flow at various locations. All pipe fitting & valves (except butterfly valves) shall be SS-316. All piping shall be designed for 10% over the max. Pressures encountered in the pipe. The piping shall be flanged for ease of maintenance. All lines shall be hydraulically tested at 1.5 times the design pressure however in no case the lines shall be hydraulically tested below 18 Kg/cm2. All lines shall be having suitably supported so as to provide rigidity & avoid vibrations. All lines less than 38 mm size shall be socket welded. All lines above 50 mm size shall be butt-welded with full penetration 9 welds. All gaskets in foam lines shall be spiral wound with SS: 304 & asbestos filler. All bolting shall be of SS: 316. The draw off pipe shall be provided in such a manner & in such a position that sludge does not pass into foam piping.	YES	
19	<u>OTHER CONSTRUCTION DETAILS:</u> Grab rails & non-slips steps of heavy chequered plate shall be provided wherever necessary. The entire structure of appliance shall be fabricated from corrosion free aluminum extrusion profile section framework constructed with bolt and nut system without welding work and panelled with aluminum plate. Entire aluminium construction in light-weight design made from rectangular aluminium profile with a distortion-insensitive bearing. The panelling, complete locker & top flooring, locker walls shall be done from suitable gauge aluminum plain or chequered sheets. Top flooring shall have rainwater channel at both sides. The openings for equipments shall be sealed properly to ensure no water goes inside.	YES	

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	For all water fittings necessary arrangement shall be made to enable the operator to locate the desired equipment instantly and thereby save valuable time at the time of fire. This arrangement shall be such that none of the items damage the internal panelling and thereby increase the life of the vehicle. Suitable clamps, brackets, holders etc. shall be provided for all other items.		
20.	<u>B.A. SET BRACKETS:</u> B.A. set brackets for fixing with its fitments shall be provided just behind the crew seat. The mounting of B.A. set brackets shall be such that, it can allow firemen to wear B.A. set while vehicle is approaching to fire call. Proper padding and harnessing arrangement shall be made in the bracket to avoid damages to the critical parts of the BA set.	YES	
21.	<u>ACCESSORIES:</u> The following accessories shall be provided. 21.1 Fire Bell: (Bell Carillon): One Gun metal fire bell of 250 mm size confirming to IS:1928 shall be mounted externally on the top of crew compartment and shall be operated within the crew compartment by firemen seating position. 21.2 Six aluminum hooks for keeping the uniform clothing shall be provided in crew compartment. 21.3 Fire bells- 250 mm diameter fire bell shall be mounted externally and shall be capable of being operated from within the driving compartment. The bell shall be of the hand operated type. 21.4 Head lamps-02 Nos 21.5 Fog lamps- 02 Nos 21.6 Reversing light- Lamp suitable situated to assist reversing. 21.7 Amber blinkers lights- Situated on the head of the driving compartment 21.8 Trafficators- Illuminated with indicating lights on instrument panel or in any other prominent position in driving compartment. 21.9 Wind screen wipers 21.10 Tools- All tools required for normal routine maintenance of the appliance which are not included in the kit for the chassis. 21.11 Siren- Battery operated. 21.12 Search light – Adjustable to give flood or beam light, mounted in a convenient position but capable of being readily disconnected and mounted on a tripod away from the appliance, complete with tripod and with not less than 30 m of TRS cable on a reel mounted on the appliance. 21.13 Spot light- Adjustable, mounted in a convenient position on the near side of the driving compartment. 21.14 Inspection lamp- Protected type on wander lead with plug. A socket shall be provided in the control panel in the drivers cab for plugging in the lamp. 21.15 Tail lamps- Two of combined stop and tail. 21.16 Rear reflectors 21.17 Cab, instrument panel and locker, light 21.18 Public address system.	YES	

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22.	<u>PAINTING, WORKMANSHIP, FINISHING AND MARKING:</u> <p>The entire appliance shall be painted with Asian PPG make / DUPONT Glossy Finish paint and thickness of 0.12 to 0.2 mm thickness using double coat spray painting on the outside. The logo, emblem & name of CENTRAL INDUSTRIAL SECURITY FORCE shall be painted in white colour background and name shall be written on the both sides of fire tender with self – illuminating florescent white colour.</p> <p>Before final painting of fire tender two coats of anti-corrosion and one Zinc phosphate primer coat shall be applied. All the chassis and wheel arches shall be painted in florescent white colour. All the piping shall be painted red.</p> <p>The Vehicle shall be clearly and permanently marked with the following, preferably on a metal plate attached in the driver's cabin & also near the pump operating control panel.</p> <ul style="list-style-type: none"> a) Manufacturer's name or trademark. b) Year of manufacture. c) Capacity of Pump in LPM & Water tank in Ltrs. d) Engine & chassis Nos. e) Pump serial number & its year of construction. f) All instrument controls shall be identified with nameplates. g) All hoses & valves inlet & outlet shall also be identified by suitable name plates. 	YES	
23.	<u>WIRELESS SET BOX:</u> <p>Box made from 2 mm gauge aluminum sheet with lid shall be provided just behind the officer seat with 13mm wooden plank for fitting the wireless set bracket. The design and mounting will be shown at the time of fabrication work.</p>	YES	
24.	<u>ACCEPTANCE TESTS:</u> <p>The following acceptance tests shall be carried out to the complete satisfaction of the user. The design of vehicle to be such that it shall not affect the Chassis Characteristic as specified by the chassis manufacture such as speed, turning, circle, acceleration, braking distance etc.</p> <p>The stability of the appliances shall be such that when under fully equipped & laden condition, if the surface on which the appliance stands is tilted to either side, the point at which over turning occurs is not passed at an angle of 27° from horizontal. This test should be carried out at the vendor factory in front of all the inspecting officers.</p> <ul style="list-style-type: none"> i) The pumps with its all fitments will be subjected to Hydrostatic testing on a pressure of 21 Kgs/cm² ii) The pumps shall be run dry for a period of minimum two minutes at 2000 RPM to check the integrity of mechanical carbon seal. After this there shall not be any leakage of water through carbon seal. iii) The pump will be subjected to Endurance test for a period of Four hours continuous running. The first Three hours the pump shall deliver rated output of 3000 LPM at 8 kg/cm² and next one hour will be 300 LPM at 35 kg/cm². 	YES	

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	iv) During the endurance test the water shall not be replenished in the cooling system and the temperatures of the water and engine oil should not exceed the manufactures standard recommendations for the continuous operation and engine should not show any sign of stresses. v) The other tests shall be as per detailed performance parameters given for chassis, superstructure, firefighting system which include monitor output & throw, foam induction & expansion, load etc. vi) Accessories shall also be subjected to relevant tests as per the specification indicated above		
25.	APPROVALS: i) All equipment being quoted by vendor shall confirm to the latest version of relevant Indian / International standard. ii) Vendor shall mentioned the relevant standard reference against each items governed by the India/ overseas international standard. iii) Vendor shall agree to provide certificates in original of all necessary or mandatory approvals in respect of the Fire Tender before dispatch. iv) On placement of order, Fire Tender is to be delivered at Plant premises. Transit insurance shall be included in vendor's scope. v) Vendor shall agree to offer stage inspection of the Fire Tender in three stages. Third stage inspection shall be final pre-dispatch inspection. vi) After supply vendor shall provide training in operation of their system free of cost to CISF personnel. vii) On final supply, operation & maintenance manual, any electrical system manual etc., shall be handed over to indenter of plant. All guarantee certificate for any / all accessories installed on the fire tender shall be handed over to indenter of plant. viii) Along with techno-commercial offer, vendor shall submit a separate sheet listing all items that shall be supplied. i.e. scope of supply shall be mentioned.	YES	
26.	PRE-DISPATCH INSPECTION (PDI) : Three (03) stages inspection of Water Tender shall be carried out at fabricator's site as per details given below. 1st Stage: Inspection of manufacturer facilities, inspection of chassis, inspection of material for fabrication, inspection of under structure, inspection of water tank. 2nd Stage: Placement of water tank, fitting lockers, pump & PTO. 3rd Stage: In final, acceptance test / inspection (PDI) shall be carried out in accordance with standards at fabricator's works by the inspecting officers.	YES	

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	<p>(i) <u>First Stage:</u></p> <ol style="list-style-type: none"> 1. Review of mill test certificates and co-relation of raw materials used for structure & body fabrication before start of fabrication. 2. Review of approved drawing used for structure & body fabrication before start of fabrication. 3. Inspection of frame work / under structure (for cabin and bod) for soundness of welding and fitment of chassis, water tank and dimensional check. <p>(ii) <u>Second Stage:</u></p> <p>Inspection of structure, mounting of sub-frame with metacones and proper foundation. Fitment of PTO, Hydraulic testing of water tank before mounting. Inside/outside panelling of sheets. Hydraulic testing of pump before mounting, testing of pipeline, inspection of fabrication work, cooling by pass valve and pipeline leading to heat exchanger and suitable connection for its outlet, preliminary test of pump, working of PTO, fitment of primer, while checking all relevant parameters. All test shall be carried out as specified in the specifications or as per relevant IS whoever is on higher side.</p> <p>(iii) <u>Third/Final Stage:-</u></p> <p>Testing of accessories/equipments mentioned in Serial No. 28 below four hours (three hours for NP & 1hour for HP section) acceptance test of pump rated output at normal and high pressure, maximum rotation of the monitor, angle of elevation and depression. Testing of all other normal items of equipment, fitments, appurtenances, light, fog lamps, search lights, revolving, blinker, spot light, rear warning light, as per specified standard.</p> <p>Testing of duty points of the pump, including deep lift test, road test, braking test, when the vehicle is fully loaded output and throw of monitor, throw of side line with water, separately testing of priming device while working from open source of water supply.</p>	YES	
		YES	
		YES	
27	<p><u>NOTE :</u></p> <ol style="list-style-type: none"> 1. Chassis shall have to be purchased in the name of BRBNMPL 2. The appliance to be procured from the OEM (Original Equipment Manufacturer) or authorized agency/agencies. 3. The Vendor shall ensure chassis/unit registration formalities (including road tax, Insurance and any other taxes or duties) and shall undertake transit Insurance. 4. All necessary environment/ pollution clearances for Water Tender to be complied by Vendor. 5. Test certificate along with dispatch documents to be submitted by Agency. 6. Following documents as applicable shall have to be submitted by vendor:- <ol style="list-style-type: none"> a. Chassis technical specification. b. Valid registration of chassis. c Form 21 and 22 of Motor Vehicle Act from authorized dealer of chassis. d Road Worthiness Certificate in Form -22A. 	YES	

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	d Body building certificate form -22A 7. The vendor shall have all the test facilities to carry out the Pre-Dispatch Inspection (PDI) as per the relevant Indian/international standards		
28	Various types (59 types) of Accessories as per Serial No. – 28 mentioned in Appendix – A.	YES	
29	Various types (6 types) of Advanced Firefighting Ancillaries as per Serial No. – 29 mentioned in Appendix – A.	YES	
30	Make & Model Offered	Make: Model :	Please specify the make & model
31	Country of origin	Please specify

B. TECHNICAL : Appendix - B : Petrol Driven Chain Saw

Sl. No.	Requirement as per Tender	Offered by Bidder	Deviation, if any
01	<u>SCOPE</u> a) Displacement of 40cc b) Power output of 2.3hp/1.7kW	YES	
02	<u>GENERAL REQUIREMENTS:</u> a) Maximum power speed of 11000rpm b) Idling speed of 3000 rpm c) Recommended bar length of 14"to 16" d) Lock off button for safe operations e) Ideal for rip, cross and miter cuts in wood f) Efficient dust extraction port g) Product backed by CE and other certifications h) Engine comprising air-cooling, two-stroke, single cylinder	YES	
03	This item is subjected to Pre-Dispatch inspection during 3 rd Stage Pre-Dispatch inspection of Appendix – A.	YES	
04	Make & Model Offered	Make: Model :	Please specify the make & model
05	Country of origin	Please specify

C. TECHNICAL : Appendix - C : Carbon Composite Self Contained Compressed Air Open Circuit Breathing Apparatus

Sl. No.	Requirement as per Tender	Offered by Bidder	Deviation, if any
01	<u>SCOPE</u> This specification prescribes requirement of design, performance and practical test for open circuit type breathing apparatus	YES	
02	<u>GENERAL REQUIREMENT</u> 2.1 Self Contained Breathing Apparatus (SCBA), ergonomically designed, light weight glass and carbon filled nylon composite	YES	

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	<p>back plate and intrinsically flame retardant 100% Kevlar webbing and 3 padded harness, cylinder band should be made up of 100% Kevlar. Two stage pneumatic systems comprising positive pressure demand valve with hands free bypass facility, vision 3 face masks with more than 85 % field vision and scratch resistance polycarbonate visor should be provided. Warning whistle should have an operating pressure of 55 bars. First stage pressure reducer with single high pressure cylinder connector with steel braided hose. The apparatus is to be supplied with CCE approved 6/6.8 ltr, 300 Bar High pressure carbon composite cylinder (duration 45/46 Mins).</p> <p>2.2 The unit is to be provided as attached with automatic distress signal unit capable of giving analogue and digital reading of the pressure.</p> <p>2.3 Low pressure alarm and ADSU featuring a motion sensor which gives alarm if the user is motionless for 30 seconds.</p> <p>2.4 The BA set has to be CE approved, as per EN 137 Class II 2006 Standard.</p> <p>2.5 The compressed air breathing apparatus shall be so designed so that the wearer can breathe comfortably, without any risk of poisonous gases entering the breathing circuit. The breathing circuit should be so designed so that there is optimum utilization of compressed air stored in the cylinder during Fire Fighting and rescue operations. The set as a whole shall be so designed so that the handling of the set is easy and does not cause any damaged to the set. Set shall be capable of being used with cylinder having working pressure up to 300 bars at least. The BA set should have no air losses. No toxic matter can enter the mask back plate should be ergonomically designed for comfort and stability and there should have provision of connection between wearers.</p>		
	<p>2.2 MATERIAL</p> <p>2.2.1 All the material used in the construction shall have adequate mechanical strength, durability and resistance to deterioration by heat or by contact with seawater or plain water. Such materials shall be antistatic and fire resistant as far as practicable.</p> <p>2.2.2 Exposed parts excluding cylinders, that is, those, which may be subject to impact during practical performance tests, shall not be made of magnesium, titanium aluminum or alloys containing such proportions of these metals which on impact give rise to frictional sparks capable of igniting flammable gas mixture.</p> <p>2.2.3 Materials that may come into contact with the skin shall be non-staining soft, pliable and shall not contain dermatitis substances.</p> <p>2.2.4 The apparatus shall be sufficiently robust to withstand the rough usage: it is likely to receive in service and designed so that it will continue to function satisfactorily while temporarily accidentally submerged in water at a maximum depth of one meter and thereafter until the air in the cylinder is exhausted.</p>	YES	
	<p>2.3. SEPARATION OF PARTS</p> <p>The designed and construction of the apparatus shall permit its components parts to be readily separated for cleaning, Examination and testing. The couplings required to achieve this shall be readily</p>	YES	

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	connected and secured, where possibly by hand, and means for sealing used shall be retained in position when the joints and couplings are disconnected during normal maintenance.		
	2.4. <u>ADJUSTABLE PARTS</u> All parts requiring manipulation by wearer shall be readily accessible and easily distinguishable from one another by touch. All adjustable parts and controls shall be so constructed that their adjustment is not liable to accidental alteration during use	YES	
	2.5. <u>WEIGHT</u> The weight of the apparatus shall not exceed 12.5 Kg. The cylinder used for compressed air should have the approval of Chief Controller of Explosive	YES	
	2.6. <u>LEAK TIGHTNESS</u> The apparatus shall be of positive pressure types so as to prevent ingress of the external atmosphere. There should be not leakage from any joint	YES	
3.0	<u>FACE MASK</u> 3.1 The face mask should be made either of Neoprene or Silicone. The air inlet valve should connect to the mask by simply clipping it on the enable wearer to switch on the positive pressure at the last minute. 3.2 Face mask shall cover the eyes, nose, mouth and chin, it shall be provided with an additional flap for providing adequate sealing on the face of the wearer of the breathing apparatus against the outside gas, when the skin is drying or moist, when the head is moving and when the water is peaking. 3.3. The face mask shall have an inner mask to reduce misting and dead space so that the mask is always remain at center. 3.4. Face mask shall be secured to the face by means of an adjustable/replaceable head harness and they shall be fitted with a neck strap to support them when not being worn. There shall be five head harness but one strap i.e the top one should be prefixed. 3.5. Means for speech transmission shall be incorporated and so designed that it is in front of the mouth. 3.6. The face mask shall be constructed of silicon rubber in order that it is soft, light in weight, comfortable to the wearer to wear for long duration, resistant to chemicals and heat, thus having longer life. 3.7. The connection for demand valve shall be provided in front of the Face Mask. 3.8. The visor shall be made of clear polycarbonate.	YES	
4.0	<u>FACE CONNECTOR</u> The connection between the face mask and the demand valve shall be of Click-on/push fit type well secured so that, the set is having fully automatic positive pressure, there is optimum utilization of compressed air stores in the cylinder and the mask by mistake is not used with a filter canister	YES	
5.0	<u>HEAD HARNESS</u> The head harness shall hold the face mask firmly and comfortably in position. It shall be moulded from silicon rubber. It should be easily detachable for cleaning and decontamination. There shall be five quick release harnesses out of which only 4 shall need to be tightening with the 5 th i.e top one shall be prefixed to ensure quick donning and center placing of the mask while wearing	YES	

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6.0	<u>BODY HARNESS</u> The body harness shall be designed to allow the user to done the apparatus quickly and easily without assistance and shall be adjustable for fit. Buckles fitted to waist and shoulder harness shall be constructed that once adjusted they will not slip	YES	
7.0	<u>EXHALATION VALVE</u> The apparatus shall be provided with an unidirectional exhalation valve spring loaded to maintain positive pressure in the face mask. The resistance of the valve should not exceed 6 mili bars, it shall be protected against dirt and mechanical damaged.	YES	
8.0	<u>DEMAND VALVE</u> It shall be fully automatic positive type. Designed to provide a flow rate of at least 50 ltrs/min at all cylinder pressure above 20 bar. It shall be designed to push fit/click on to the mask.	YES	
9.0	<u>HIGH PRESSURE TUBE</u> It shall be having outer covering of neoprene rubber. The test pressure of the tube shall be above 600 bars. It shall be fitted to the set in a manner that it cannot be separated by hand. The entire high pressure tube shall be covered by a medium pressure tube having medium pressure supply for safety reasons	YES	
10.0	<u>MEDIUM PRESSURE TUBE</u> It shall be having outer covering of neoprene rubber. The test pressure of the tube shall be above 20 bars. It shall be so designed that it can be separated by hand and cannot be fitted at the joints where High Pressure Tube is fitted.	YES	
	<u>11.0 PRESSURE GAUGE</u> 11.1 It shall indicate pressure on opening of the cylinder. The range shall be 0-350 bars. It shall be placed that the wearer can easily see the pressure while using the set. 11.2 The pressure gauge shall have a blowout release. The blowout release should be so located that in the event of an explosion or fracture of the pressure element of the gauge, the blast will be away from the front. The gauge window shall be made of material of non-splintering glass or of clear plastic materials. 11.3 A tap or restrictor shall be provided so that if pressure gauge and connection hose are removed from the apparatus, flow will not exceed 25 lit/Min at full cylinder pressure, if the gauge or flexible connecting tube be damaged after the apparatus has been functioning for a period of time equal to half the nominal working duration with an air consumption of 40 l/min the loss of air from the damaged component shall not reduce the normal effective duration of the apparatus by more than the reserved period	YES	
12.0	<u>WARNING DEVICE</u> The apparatus shall be provided with warning whistle next to the pressure gauge. It shall be consuming minimum amount of compressed air and should emit continuous at least 90 dbls sound. Warning whistle next to pressure gauge enables to user to ascertain his whistle and can check the same.	YES	
13.0	<u>BACK PLATE</u> It is to be made of light weight glass and carbon filled nylon composite back plate and intrinsically flame retardant 100% Kevlar.	YES	

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	The back plate shall be so designed that the user can lift the set by having a firm grip of back plate in order to avoid lifting of set from cylinder valve or body harness. The method of fixing cylinder shall be such that 4,6 and 9 liter cylinder of working pressure 200/207/300 bar can be fitted without any alternation.		
14.0	<u>PRESSURE REDUCER</u> The apparatus shall be provided with a diaphragm less piston pressure reducer which is capable of reducing pressure from 300 bars to 7 bars (approx). The designing shall be such that back pressure development shall be minimum, second incept/outlet shall be provided on the reducer. High pressure and medium pressure safety shall also be provided on the reducer.	YES	
15.0	<u>ADSU</u> a) Should be made of solid state technology – infrared motion sensor with no internal contacts to wear out. b) Should be provided with long life lithium magnesium dioxide batteries. c) Should have loud minimum 90 decibel alarm	YES	
16.0	<u>GAS CULINDER & MAIN VALVE</u> Cylinder used shall be of carbon composite having 6/6.8 liter water capacities, 300 bar working pressure 1800 liters compressed air for 45/46 minute duration. The cylinder & valve should be approved by Chief Controller of Explosive, Nagpur, India	YES	
17.0	<u>PACKING</u> The breathing apparatus shall be packed in hard bag moulded plastic or FRP	YES	
18.0	<u>MARKING</u> The trademark of manufactures Identification shall be marked on the facemask, demand valve, pressure reducer and back plate. The serial number of the set and the date of manufacturing shall also be marked on the back plate.	YES	
19.0	<u>INSPECTION</u> Pre-Dispatch Inspection (PDI shall carried out during 3 rd Stage Pre-Dispatch inspection of Appendix – A at work place of manufacturer. Further : a) Equipment should be procured from the manufacturers. b) Brand name shall not mention in the specification. c) Manufacturer needs to have all test facilities.	YES	
20.0	Technical manual comprising of servicing details shall be supplied with system	YES	
21.0	Relevant Test certificates shall be provided from a Govt. approved laboratory or from the manufacturer, along with their offer	YES	
22.0	<u>Make & Model Offered</u>	Make: Model :	Please specify the make & model
23.0	Mention the relevant BIS/EN/DIN/UL certificate of the product offered.	Please specify
24.0	<u>Country of origin</u>	Please specify

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D. TECHNICAL : Appendix - D : Non-Percolating Flexible Fire Fighting Delivery Hoses

Sl. No.	Requirement as per Tender	Offered by Bidder	Deviation, if any
01	i) It shall be good finished, durable, BIS marked having internal diameter 63 mm. ii) It shall be 22.5 mtr in length iii) Delivery hoses conforming to IS 636-2018 iv) It shall be Type-3 i.e covered with elastomeric outer coating as reinforcement to give the hoses very low absorptions of acid & alkalis and high resistance to abrasion and direct heat. v) All delivery hoses shall bind with Copper wire with BIS marked instantaneous GM male/female couplings conforming to IS- 903-1993 on both ends for firefighting use. vi) The delivery hoses must fulfill all the requirements of Type- tests, acceptance tests and other tests, marking as laid down in the IS- 636-2018	YES	
02	This item is subjected to Pre-Dispatch inspection during 3 rd Stage Pre-Dispatch inspection of Appendix – A.	YES	
03	Make & Model Offered	Make: Model:	Please specify
04	Country of origin	Please specify

E. TECHNICAL : Appendix - E : Alloy Aluminum Extension Ladder

Sl. No.	Requirement as per Tender	Offered by Bidder	Deviation, if any
01	General: a) The standard lays down the requirements regarding materials, constructions, and workmanship, finish and acceptance tests of aluminum extension ladder for firefighting and rescue operations. b) The alloy aluminum extension ladder must consist of one main and one extending section. The design shall be such as to ensure easy sliding of extending section without excessive clearance in the guide & over extension of the ladder. The extending section shall be guided throughout the full range of extension in a manner such that the sections cannot separate, retaining clips being on the main section	YES	
02	Materials: a) The construction of the ladder should be made with a view to combine lightness with strength and durability. b) Aluminum alloy strings and rounds to be used for construction of ladder to make it light in weight, rust proof, rot proof, fire proof. c) Manila rope three strands, confirming to is 1084 over a pulley (on the main section) shall be fitted for extension and lowering the ladder of required length. d) Locking pawls must be of aluminum alloy castings	YES	
03	Size : a) Fully extended length - not less than 10.5mtr b) Closed length - not more than 06.25mtr. c) Weight - not more than 48 kg	YES	
04	Description: a) The ladder must consist of one main and one extending section, the width of the narrowest section inside the strings being not less than 12". The rounds shall be with non-slip serrations running the full	YES	

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	<p>length. These shall be fixed by expanding and flaring and shall be spaced at 25 cm center to center.</p> <p>b) The heels of the strings of lower section shall be fitted with rubber feet. The pawls shall be bolted to strings and their action shall be such that they are set for engagement until they have been rested on a round, and trip to clear immediately the ladder is extended</p> <p>c) The design of the ladder must be such to ensure easy sliding of extending sections without excessive clearance in the guide and over extension of the ladder.</p> <p>d) Extending sections must be guided throughout the full range of extension in such a manner that it cannot separate.</p> <p>e) Ladder must be capable of being fully extended by two men by means of rope over a pulley on the main section, so as to leave the working face of the ladder unobstructed.</p> <p>f) The ladder is extended by hand the rope must be of 45mm circumference dia. To provide a convenient grip and must be reasonably flexible when wet.</p> <p>g) The end of the rope must be attached to the bottom of the main section so as to leave the minimum amount of slack when the ladder is fully housed.</p> <p>h) Safety limits must be fitted for preventing over extension of the ladder.</p> <p>i) The extending section coincides, preferably so arranged that they engage automatically, release being effected by slightly extending the ladder before lowering the action of the pawl being such that they are set for engagement until they have been rested on a round, and trip to clear immediately the ladder is extended.</p> <p>j) Steps to be fitted by single rivet direct pin punch system and the sides of the ladder to be fully packed.</p> <p>k) The other constructional features and testing parameters of Aluminum extension ladder shall confirm to IS 4571 – 1977 and its latest version</p>		
04	<p>Workmanship & finish:</p> <p>a) Marking : The extension ladder shall be clearly and permanently marked with the following information</p> <p>i) Manufacturers name or trade mark if any</p> <p>ii) The size of the ladder and</p> <p>iii) Year of manufacture</p> <p>b) It is essential that the standard of workmanship is such that spares can be provided for all replaceable parts and that they will fit without any difficulty.</p> <p>c) Finish must be good, that any surface of the ladder such as strings or rounds must not be buffed as the ladder will reflect light and thus cause difficulty in rescue operations.</p> <p>d) The product must also be marked with standard ISI mark</p>	YES	
05	This item is subjected to Pre-Dispatch inspection during 3 rd Stage Pre-Dispatch inspection of Appendix – A.	YES	
06	Make & Model Offered	Make: Model:	Please specify
07	Country of origin	Please specify

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Sl. No.	Requirement as per Tender	Offered by Bidder	Deviation, if any
01	<u>GENERAL:</u> Fire retardant dangri/Overall shall be designed and configured to provide protection to the torso, arms, neck and legs excluding the head, hands and feet during the activities of rescue and fire fighting in building, enclosed structure, vessels or like properties that are involved in fire or emergency situation. Fire retardant dangri/coverall Fabric shall ensure no deterioration in flame retardancy over the passage of time and also excellent drope, softness and moisture absorption as par with the natural fibers making it ideal work wear for fire fighting operations.	YES	
02	<u>FABRIC:</u> Fire Retardant Fabric for Dangri/Overall shall be inherently and permanently flame retardant and no chemical coating shall be applied to make it flame retardant. Weight of fabric shall be 350 gm (+5%) per square meter wit a tolerance limit of + 10% Width of the fabric shall be 148 cm ($\pm 2\%$). Colour of the Dangri/coverall shall be either Blue or any other colour as decided by the purchaser and supplier.	YES	
03	<u>DESIGN:</u> Fire Retardant Dangri/Overall shall be in one piece and the front closure shall be constructed in a manner that provide secure and complete moisture and thermal protection. If non-positive fasteners such as snaps and hook and file tape are utilized in garment closures, a positive locking fasterner such as hook and dees of zippers shall also be utilized. Hooks and does shall be non ferrous. Two Nos. of shoulders flaps shall be provided on shoulders	YES	
04	<u>POCKETS AND FLAPS:</u> Two chest pockets and 02 knee side trouser pockets shall be provided with means of drainage of water and shall have a means of fastening them in the closed position	YES	
05	<u>SEAMS AND THREAD:</u> All seams assemblies shall be tested for breaking strength and shall demonstrate a sewn seam strength equal to or greater than the fabric strength. All threads utilized in the construction of the Fire Retardant Dangri shall be tested for heat resistance and shall not ignite, melt or char when tested.	YES	
06	<u>FLAME RETARDENCY OF FABRIC FOR RETARDANT DANGRIES:</u> Fabric used for Fire Retardant Dangri shall have been tested and passed by the DIFR or other recognized institute in accordance with IS-11871-1986 to determining the flame retardancy and durability requirements as per BS-3120.	YES	
07	<u>SIZE:</u> Size of dangries shall be suitable for an average Indian Height in three sizes (small medium and large) 5'8", 5'10,6' or decided between the purchase and supplier.	YES	
08	<u>FLAME RETARDANT RETRO REFLECTIVE STRIPS:</u> One flame retardant Retro reflective strip of 7.5 cm width in Red-Orange colour shall be provided in complete round on chest and back and another round strip of same width be provided on both thighs of the dangri for clear vision.	YES	

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TENDER DOCUMENT FOR FABRICATION & SUPPLY OF WATER TENDER - TYPE B			
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	Flame Retardant Retro Reflective material shall be either approved by NFPA or tested and passed y DIFR or other recognized institute in accordance with IS-11871-1986 to determine the fire retardency and durability requirement as per BS-3120. Flame Retardant Retro Reflective material shall have a daytime colour of fluorescent Red Orange for visibility during day time hours and white reflection in dark or night hours. Material shall confirm the following data. <div><div>a) Entrance angle</div><div>:</div><div>4.0 deg</div></div> <div><div>b) Observation Angle</div><div>:</div><div>0.2 deg</div></div> <div><div>c) Ra Typical Brightness</div><div>:</div><div>-175</div></div> <div><div>d) Minimum Ra</div><div>:</div><div>-138</div></div>		
09	GARMENT LABELING: Fire Retardant Dangri shall have a formal label permanently and conspicuously attached upon which warning and all possible information of garment utilization are printed at least 1.5 mm high letters. It shall also contain the following information. <div><div>a) Manufacturer's Name & Trademark</div><div>b) Manufacturer 's Address</div><div>c) Date of Manufacture</div><div>d) Size</div><div>e) Cleaning & Drying instruction</div><div>f) Garment material</div><div>g) Life</div></div>	YES	
10	USERS INFORMATION: Manufacture shall provide the following instruction and information with each garment. <div><div>a) Cleaning/washing instruction</div><div>b) Maintenance criteria</div><div>c) Method of Repair</div><div>d) Warranty information/safety consideration/storage condition</div><div>e) Decontamination procedure</div><div>f) Proposed life of Garment</div></div>	YES	
11	NOTE TO TENDERER: They shall mention the relevant/governing I.S. specification of material. Relevant Test certificates shall be provided from a Govt. approved laboratory along with their offer. YES	 Please specify
12	This item is subjected to Pre-Dispatch inspection during 3 rd Stage Pre-Dispatch inspection of Appendix – A.	YES	
13	Make & Model Offered	Make: Model:	Please specify
14	Country of origin	Please specify

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(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES**

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**G. TECHNICAL : Appendix - G : Water Mist & CAF Extinguisher 09 Ltrs Capacity
(Back Pack Type/High Pressure)**

SL NO	Technical Parameter	QRS/Specification	Offered by Bidder	Deviation, if any
GENERAL				
1.	Nomenclature/Name of product/gadget/equipment	High pressure water mist CAF fire extinguisher Back pack type, ultra-light, Carbon composite with Pet liner.	YES	
2.	Conformity	The Water Mist & CAF (Back Pack) high pressure extinguisher shall be confirmed to EN-3-7:2004+A1:2007 standards.	YES	
3.	Mounting type	Backpack	YES	
4.	Configuration/description	It shall be mounted on a study frame suitable cushioned for comfort, provided with shoulder pads for carrying as a backpack and a handle to be carried by hand. All material used shall be of fire retardant type. Backpack shall be supplied with air cylinders.	YES	
5.	Model & make	Model Number shall be permanently marked as declared in Accredited Laboratory Test Report.	YES	
6.	Main Components	Pressure vessel shall be hold the media with safety valve, compressed air cylinder coupled with a reducer, hose pipes for discharge of water mist media, extinguishing gun.	YES	
CONSTRUCTION				
7.	Air Cylinder Material	Ultra light Carbon composite with PET.	YES	
8.	Type of foam	AFFF Compound conforming for higher fire rating A55, B233, spreading coefficient for special AFFF Compound shall be +5 minimum, concentration shall be 6%.	YES	
9.	Type of Foam	Commercial Brand Name of the Special foam (fire extinguishing medium) as per accredited laboratory test report wherein higher fire rating i.e. A55, B233, E1000 V (Die Electric Suitability) achieved, to be declared.	YES	
10.	Characteristics of extinguishing medium of AFFF Compound with infrared spectrogram (to be furnished).	Characteristics of extinguishing medium of Special AFFF compound shall be- Density:1.04 (kg/cm ³ , Viscosity : 1.35 (m ² /s, pH Factor 7.8, Refractive Index 1.34 @ 20+/-20C	YES	
11.	Pressure Vessel Material & Capacity (Nominal Charge)	Ultra light Carbon Composite with PET Liner of 9/10 liter capacity.	YES	
12.	Minimum wall thickness of pressure vessel (mm)	Minimum wall thickness of pressure vessel should be 5 mm	YES	
13.	Extinguishing gun material	Stainless Steel	YES	
14.	Weight of extinguishing gun	Shall not more than 750+/-50gram.	YES	
15.	Length of standard of hose for backpack system	Hose shall be EN marked, not less than 1.3 meters for backpack system.	YES	

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16.	Weight of fully charged Backpack system	Weight of fully charged Ultra light Carbon composite with PET liner Backpack system shall be not more than 20kg.	YES	
17.	Air Cylinder Capacity (Ltrs)	2 liter	YES	
18.	Air Cylinder pressure (Bar)	300 bar	YES	
19.	High Pressure Type	High Pressure Type (Dynamic Operating pressure to be tested un the accredited laboratory test report which will be considered as high pressure for as per clause No. 3.15 of EN 3 – 7:2004 + AI: 2007-08 € Standard.) ≥37.6 Bar for ultra light Carbon composite with PET Liner vessel.	YES	
20.	Lancing Distance of Gun	More than 15 +/-2 meter	YES	
21.	Minimum operating time	Less than 25 second	YES	
22.	Operating temperature	System shall be designed for 600C or more and minimum 50 c or less and certified by the manufacture as per clause 7.4 of EN 3-7:2004+A1:2007-08 standards as per the accredited test report for backpack system.	YES	
23.	Fire rating	55 A, 233B, 1000V with AFFF Compound as per EN.	YES	
CERTIFICATION:				
24.	Approval	PED (Pressure Equipment Directives) approval as per 97/23/EC (Encumbrance Certificate).	YES	
25.	Pressure Gauge	Pressure vessel shall be fitted with a pressure gauge (CE Marked).	YES	
26.	NOC (No objection certificate)	No objection certificate (NOC) for air cylinder and its valve pressure Vessel from Petroleum and explosives Safety Organization (PESO)/approval of CCE Nagpur is mandatory.	YES	
27.	Pressure Vessel	Pressure Vessel shall be CE marked from Notified body.	YES	
28.	Consent from OEM	Specific consent of the OEM for the value additions made along with a confirmation that fire ratings of the equipment would not be affected by these value additions.	YES	
29.	Test reports	Test Reports No. should be declared/mentioned with date.	YES	
30.	Declaration about Govt. Accredited Laboratory where Test Conducted	Name of ILAC/NABL/ Central Govt. Accredited Laboratory where Test Conducted is required.	YES	
31.	Pre dispatch inspection	Pre dispatch Inspection (PDI) of product shall be carried out by as per specification during 3 rd Stage Pre-Dispatch inspection of Appendix – A., at the vendor site where all the testing facilities are available.	YES	
33.	Make & Model Offered	Make Offered: Model Offered:		Please specify
34.	Country of origin	Please specify:		Please specify

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H. TECHNICAL : GENERAL / TERMS AND CONDITIONS

Sl. No.	Parameter	Minimum requirement as per tender	Offered by Bidder	Deviation, if any
1.	Chassis is to be purchased in the name of BRBNMPL		YES	
2.	The appliances are to be procured from the OEM (Original Equipment Manufacturer) or authorized agency/agencies.		YES	
3.	The design of vehicle to be such that it shall not affect the Chassis Characteristic as specified by the chassis manufacture such as speed, turning, circle, acceleration, braking distance etc		YES	
4.	All the items are subjected to Pre-Dispatch inspection in stages and stage wise test facility should be available with the vendor		YES	
5.	The vendor / bidder shall have all the Test Facilities as per relevant Indian or International Standards.		YES	
6.	Bidder shall mention the relevant IS/BIS/EN/DIN/UL certificate of the products offered in all the appendixes.		YES	
7.	The fabricated vehicle shall meet all the regulations with respect to Motor Vehicle Act/RTO regulation enforce.		YES	
8.	Bidder shall ensure chassis/unit Temporary registration formalities (including road tax, Insurance and any other taxes or duties) and shall undertake transit Insurance. Any extension of Temporary Registration is responsibility of the supplier. Cost incurred thus will be borne by the supplier.		YES	
9.	The bidder will arrange all necessary registration /permit & insurance till vehicle is delivered at BRBNMPL, Salboni site		YES	
10.	All necessary environmental / pollution clearance for Water Tender to be complied by bidder.		YES	
11.	Supplier shall arrange and pay for Statutory Charges like Temporary Regn., Insurance, Road Tax etc. related to Purchase of Chassis and same will be reimbursed by BRBNMPL, at actual, on submission of documentary evidence. Payment will be released at time of Payment towards Chassis		YES	
12.	After delivery at site, Supplier shall arrange and pay for Local Registration, Insurance, Road Tax etc. of the Water Tender in the name of BRBNMPL and same will be reimbursed by BRBNMPL, at actual, on submission of documentary evidences.		YES	
13.	Fabrication, Delivery, Installation, Commissioning, Training, Performance Testing and Training	As mentioned in tender.	YES	
14.	Pre-shipment Inspection/Pre-Dispatch Inspection (PDI)	As mentioned in the Tender		
15.	Final Acceptance Test / Performance Trial	As mentioned in the Tender	YES	
16.	Training	As mentioned in the Tender	YES	
17.	Safety	As mentioned in the Tender	YES	
18.	Tool Kit	As mentioned in the Tender	YES	
19.	Documents	As mentioned in the Tender	YES	

Signature of the Authorized Signatory & Stamp :

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I. COMMERCIAL

Sl. No	Parameters	Specifications	Offered by Bidder	Deviations, if any
1	FABRICATION & SUPPLY OF WATER TENDER - TYPE B (COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES	We confirm that on being successful in tender we would Purchase Chassis Fabricate, Supply, Commissioning, Performance Testing and Training of Water Tender - Type B (Complying BIS 950) with Accessories and Advanced Firefighting Ancillaries exactly as per Technical Specifications (Section-VII) and all other terms and Conditions of Tender.	Accepted	
2	Performance Security Clause as mentioned in tender (3% of the total order value as per GoI O.M.9/4/2020 dtd 12/11/2020 & 30/12/2021)		Accepted	
3	We understand that if we have taken support of Financial Standing from our Holding Company for participating in the Tender, then in the event of being successful in the tender our Holding Company shall submit a Bank Guarantee of amount as in Sl. No. 2 above and in format as in Annexure – 6 in addition to Performance Security submitted by us in Sl. No. 2 above.		Accepted	
4	The offered Water Tender - Type B is not a prototype.		Accepted	
5	We understand that Tender shall be finalized on overall lowest (L1) bidder on quoted price and not Quoting in all items of Price Schedule is liable for rejection.		Accepted	
6	Payment terms as mentioned in tender.		Accepted	
7	Validity of offer 120 days from date of opening of tender.		Accepted	
8	We confirm that we have submitted Price Bid (part-II) in Separate Sealed Envelope in the prescribed format of this tender with no conditions /counter conditions.		Accepted	
9	Liquidated Damage Clause as mentioned in tender.		Accepted	
10	Acceptance of GST Clause of Section III (SIT) against GIT Clause 12.8.		Accepted	
11	We have gone through entire tender document thoroughly including GIT (Section II), GCC (Section IV). We also understand that offer with counter conditions is liable for rejection.		Accepted	
12	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	
13	We understand that Not Quoting for same Make and specification as offered in Part –I is liable for rejection.		Accepted	
14	We have also noted that BRBNMPL is not bound to accept the lowest or any tender you may receive against your above-referred tender.		Accepted	
15	We will abide by all the safety and security norms of BRBNMPL.		Accepted	
16	Warranty as mentioned in tender.		Accepted	
17	We understand that on being successful Bidder if we do not supply the correct material, it shall be rejected and BRBNMPL reserves the right to initiate action as deemed fit including cancellation of order and forfeiture of Security Deposit.		Accepted	

Signature of the Authorized Signatory & Stamp :

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MANDATORY DETAILS:

Sl. No.	Particulars	To be furnished [please attach the copies]
1.	GST No.	
2.	PAN No.	
3.	HSN Code of ITEM	
4.	MSME Registration, if any MSE Registration, if any Registration with 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 / Acknowledgement / Portal Please specify:_____	Reg.No. _____
5.	NSIC Registration, if any	Reg.No. _____ Valid till: _____

Yours faithfully,

(_____)

Seal

Name and Signature with date

Note: Techno-commercial bid without Copies of documents in support of eligibility criteria etc. as mentioned in tender, Cost of tender form, Compliance Statement / Declaration by Tenderer & Copy of complete set of tender documents duly signed with seal affixed, is liable to be rejected

(_____)

Name
Signature with date

Seal

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

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Section VIII: Quality Control Requirements

Material supplied by the successful bidder (as mentioned in section VI) will be checked for suitability at BRBNMPL for the specifications as mentioned in the section VII.

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

()

Name

Seal

Signature with date

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

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Section IX: Qualification/ Eligibility Criteria

I. Experience & Past Performance:

a) The prospective bidder should be bonafide, experienced, technically competent, resourceful and financially sound to carry out the assigned order.

b) Bidder should have Manufactured **and/or** done Fabrication, Supply, Commissioning, Performance Testing of **at least 01 No. Similar Water Tender - Type B** during any **one financial** year during the **last Five Financial years** ending **31/03/2022**.

[Documentary proof –copies of POs executed / work completion certificate/invoice for the above qualifying criterion should be submitted duly signed by authorized signatory of your company]

c) **No Relaxation of Experience & Past Performance for bidder of any Stature.** Please refer SIT provision for GIT clause No. 31 under 'Section III: Special Instructions to Tenderers (SIT)'.
However, no proof of supply to other countries or proof of export is required.

II. Capability - Equipment and Manufacturing facilities

The Bidder firm must have an annual capacity to manufacture and supply **at least One (01) Similar Water Tender - Type B**.

Note for I and II:

Photo copies of Purchase Orders executed by the firm **or** the certificate issued by the customers to that effect for the above qualifying criteria should be submitted along with your offer and details to be filled **as per table no.2** of "**Bidders Credentials Annexure-A**". All experience, past performance and capacity / capability related data should be certified by the authorized signatory of the bidder firm. The credentials regarding experience and past performance to the extent required as per eligibility criteria submitted by bidder may be verified by BRBNMPL from the parties for whom work has been done.

III. Financial Criteria:

a) Average Annual turnover of the Bidder firm during last three financial years ending **31/03/2021** should be more than **Rupees 21.00 Lakhs**

b) **Net Worth: The net worth of the firm should not be negative and also should not have eroded by more than 30% year-on-year in the last three years, ending 31/03/2021.**

No Relaxation of Financial Criteria for bidder of any Stature. Please refer SIT provision for GIT clause No. 31 under 'Section III: Special Instructions to Tenderers (SIT)'.

IV. Statement of Financial Standing:

Following documents are required to be submitted along with the bid as part of the Pre-Qualification Criteria (Section IX of tender).

a) All bidders are required to submit a self-certified statement of their turnover and net worth as per Table No.1 of "**Bidders Credentials Annexure-A**".

b) Bidder firms whose sales, turnover or gross receipts is more than ₹1 crore, are required to submit audited books of accounts. 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).

c) Bidder firms for whom submission of audited books of accounts is not necessary as per the above criteria, may submit a statement of their turnover and net worth certified by a CA or submit self-certified statement of their turnover and net worth along with Income Tax (IT). Returns and ITR acknowledgements of last 3 Financial Years ending 31/03/2021 i.e. 2018-19, 2019-20 and 2020-2021.

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V. Financial Support From Holding Company: Where Financial Standing of the Bidder Company is not strong enough to meet its obligations under the Tender and it has taken support from its Holding Company for participating in the Tender, the Holding Company shall give its support by Bank Guarantee to cover the obligations of the Bidder under the Tender in case of any defaults. Further, 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.

- i. However, the bidder is **required to qualify in all other criteria** like experience, past performance and capacity/capability as specified in the tender.
- ii. 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.
- iii. To avail Financial Support of the Holding / Parent Company an Undertaking is to be submitted from the Holding / Parent Company, on the letter head of the Holding Company, as per the format given in the **Annexure - 7** and a Performance Guarantee to that effect as given in **Annexure - 6**.
- iv. *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.*

VI. In the case of bidders/companies that are restructured by Banks, Financial standing criteria will be completely relaxed.

VII. Original Service Provider / Manufacturer may submit their offer directly or through their **ONLY ONE** Authorized Distributor/Dealer/Representative. Necessary authorization certificate should be submitted to this effect. If bidder is not a manufacturer, bidder shall submit valid Authorized Dealership / Distributorship Certificate of Original Equipment Manufacturer (OEM), for which they have quoted for.

VIII. Bids of bidders quoting as Authorised Dealer/Distributor/Representative of a Principal Manufacturer /OEM, except in case of Commercially-Off-the-Shelf (COTS) items, will be considered as qualified, provided:

- (i) Their Principal Manufacturer/OEM meets all the criteria above without exemption.
- (ii) The Principal Manufacturer/OEM 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 to abide by other tender terms and conditions. The letter of authorisation should be signed by a person competent and having the power of attorney to legally bind the manufacturer;
- (iii) The Bidder himself should have been associated, as authorized Dealer/Distributor/Representative of the same or other Principal Manufacturer/OEM 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 **31/03/2022**.
- (iv) Either the Principal Manufacturer/OEM or its authorized dealer/ distributor/representative can bid but both cannot bid simultaneously in the same tender.
- (v) One Principal Manufacturer/OEM can authorize only one dealer/ distributor/representative for a particular tender. Similarly, one authorized dealer/distributor/representative can represent only one Principal Manufacturer/OEM in a particular tender.
- (vi) For **commercially off the shelf (COTS) items** with clear and standard specifications, a valid dealership certificate will have to be submitted.

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(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES****T.E No.052/SAL/PUR/2022-23 dated 06/01/2023****IX. For Existing Successful Past Suppliers:**

In case the bidder who is a successful past supplier of BRBNMPL of the goods in at least one of the recent past three procurements, who do not meet any or more of requirements above, would also be considered to be qualified in view of their proven credentials, for the maximum quantity supplied by him in such recent past. The bidder has to provide successful completion certificate in supply of the above.

Performance of the bidder in executing the previous contracts/orders of BRBNMPL, if any in the last 5 financial years, may be taken into account during technical evaluation. The bids of the tenderers who were unsuccessful in completing the previous orders of BRBNMPL without any valid reason are liable to be rejected.

X. Other requirements:

- a) **"Bidders Credentials"** to be submitted as per Annexure -A
- b) The tenderer shall enclose a declaration regarding their **blacklisting / debarment, if any**, by BRBNMPL/Government of India/PSU in the past 5 years and **"Confidentiality statement"** duly signed and stamped as per Annexure-B.
- c) **"GST Registration details"** as per Annexure-C.
- d) **"NEFT Mandate form"** as per Annexure-D or NEFT details with copy of cancelled Cheque. [Existing vendors can submit the Xerox copy of earlier submitted document which shall include the signature of bank authorities].
- e) **EMD** or Bid security declaration form in company's letterhead as per Annexure-E in lieu of EMD.
- f) Declaration regarding **Restrictions on Procurement from a Bidder of a Country** which shares a Land Border with India as per Annexure – F.
- g) **Declaration & Undertaking** by Micro & Small Scale Enterprises / Start-up Companies / Entities seeking purchase preference under Make In India Policy / Women entrepreneurs / Registration with TReDS/GeM to be submitted as per Annexure-5 (if applicable).
- h) The contractor should have valid PAN, GST registration copies and to be submitted the same.
- i) Filled in Section VII: Compliance statement – Techno- Commercial.
- j) Filled in Section XII: Questionnaire.
- k) **An authenticated copy of the document which authorizes the signatory to commit on behalf of the firm shall accompany the offer as per clause No. 20.1 of GIT.**
- l) **All the pages of the tender should be signed and seal should be affixed for accepting the terms and conditions.**

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.

(Authorised Signatory of the bidder firm with date & seal)

**[To be filled, signed, stamped and to be submitted along with Techno-commercial bid
Part-I without fail]**

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(Wholly owned subsidiary of Reserve Bank of India)

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

**TENDER DOCUMENT FOR FABRICATION & SUPPLY OF WATER TENDER - TYPE B
(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES**

T.E No.052/SAL/PUR/2022-23 dated 06/01/2023

Section X: Tender Form

[Supplier/Tenderer shall fill the following format and submit along with Technical Bid.]

Date

To

Bharatiya Reserve Bank Note Mudran (P) Limited

Salboni, Dist- Midnapore (West)

Pin- 721 132,

West Bengal

**Ref: Tender No 052/SAL/PUR/2022-23 dated 06/01/2023 for FABRICATION & SUPPLY OF
WATER TENDER - TYPE B (COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED
FIREFIGHTING ANCILLARIES**

We, the undersigned have examined the above mentioned tender enquiry document, including amendment No. _____, dated _____ (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver (description of goods and services) in conformity with your above referred document for the sum **as submitted in the financial bid**, attached herewith and made part of this tender.

If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC clause 6, read with modification, if any, in Section V — "Special Conditions of Contract", for due performance of the contract.

We agree to keep our tender valid for acceptance for a period up to as required in the GIT clause 19, read with modification, if any in Section-III — "Special Instructions to Tenderers" or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender up to the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

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

Dated this _____ day of _____

Duly authorized to sign tender for and on behalf of

.....
(Authorized Signatory of the bidder firm with date)

(Name and designation)

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 FABRICATION & SUPPLY OF WATER TENDER - TYPE B
(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES**

T.E No.052/SAL/PUR/2022-23 dated 06/01/2023

Section XI: Price Schedule**Page - 1/3****Proforma of Price Bid for Fabrication & Supply of Water Tender - Type B (Complying BIS 950) with Accessories and Advanced Firefighting Ancillaries**From
M/s.....
.....

Date

To
The Sr. General Manager,
BRBNMPL, Salboni - 721 132

Dear Sir,

Sub: Price bid for FABRICATION & SUPPLY OF WATER TENDER - TYPE B (COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES.**Ref: Your Tender No 052/SAL/PUR/2022-23 dated 06/01/2023**

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

Table : A (Quote for Chassis and Fabrication including Accessories (59 types) as per Appendix - A)**PRICE IN Rs. (₹)**

				Quote for Chassis as per Appendix - A			Quote for Fabrication & Accessories (59 types) as per Appendix-A					GRAND TOTAL
Schedule No	Description of Items [As per detailed specifications attached in Section - VII]	HSN CODE	Total Qty. reqd.	Basic Price of Chassis (Excluding Temp. Regn., Road Tax, Insurance)	GST @% on column B. amount	TOTAL CHASSIS Price (F.O.R. BRBNMPL Stores, Salboni)	Fabrication Charges including Accessories (59 types) as per Appendix - A	Freight & Insurance Charges (Including Transit Insurance)	Other charges including Training Charges	Sub-Total Price (F.O.R. BRBNMPL Stores, Salboni)	GST @(%) on column H. amount	Price (F.O.R. General Stores, BRBNMPL Salboni (All Inclusive))
			A	B	C	D = A * (B+C)	E	F	G	H = A*(E + F + G)	I	J = D + H + I
1.	Supply and Fabrication of Water Tender - Type B (Complying BIS 950) with Accessories as per Appendix - A Make of Chassis : _____ Model of Chassis : _____ (same as technical offer)		01									
Grand Total Price in Word : _____												

()

Name:.....

(Authorised Signatory of the bidder firm with date)

(Seal)

T.E No.052/SAL/PUR/2022-23 dated 06/01/2023

Proforma of Price Bid for Fabrication & Supply of Water Tender - Type B (Complying BIS 950) with Accessories and Advanced Firefighting Ancillaries

(All figures in INR)

[illegible]

Overall Quote = Grand Total Price of Table A + Table B	Rs.: _____
Overall Quote in Word : Rupees _____ Only	

Contd.. 3

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

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**TENDER DOCUMENT FOR FABRICATION & SUPPLY OF WATER TENDER - TYPE B
(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES**

T.E No.052/SAL/PUR/2022-23 dated 06/01/2023

Section XI: Price Schedule**Page - 3/3****Proforma of Price Bid for Fabrication & Supply of Water Tender - Type B (Complying BIS 950) with Accessories and Advanced
Firefighting Ancillaries****Table D : Rate for Statutory Charges (Not Counting for Deciding of L - 1)****(All figures in INR)**

Sl. No	Description	Temporary Registration related COST during Purchase of Chassis (Rate INCLUSIVE of GST)	Permanent Registration related COST after Delivery of Water Tender at site (Rate INCLUSIVE of GST)	Remarks
1	Registration Charge			
2	Road Tax			
3	Insurance Charges			
4	Other Cost etc.			

- Note :** (1) Statutory Charges for **Temporary Registration** related COST during Purchase of Chassis shall be arranged and paid by the Supplier at the time of purchase of Chassis and same will be reimbursed by BRBNMPL, at actual, on submission of documentary evidence. Payment will be released at the time of 90% Payment towards Chassis.
- (2) Statutory Charges for **Permanent Registration** related COST after Delivery of Water Tender at site shall be arranged and paid by the Supplier at the time of purchase of Chassis and same will be reimbursed by BRBNMPL, at actual, on submission of documentary evidence. Payment will be released at the time of Final Payment.

General Instructions:

- Chassis shall have to be purchased in the name of BRBNMPL.
- Cost of **Accessories**, Training Charges, Tools Kits etc. should be included in the Quote (Basic Price) in **Table No. - A**.
- The Tender will be finalised on the basis of **overall lowest L1 quote (Table : C = Table A + Table B)** on *quoted price basis* and **not Quoting in all items** of Price Schedule are liable for rejection.
- Price should be quoted exactly as per the format given above. Multiple rates for single item, would lead to rejection of offer.
- Price bids with conditions /Counter conditions are liable for rejection.
- Bidders mentioning the price quoted for offered item/s in any place other than Price - Bid (PART-II) are liable for rejection of their bid.**
- Bidders are advised to sign on all the pages of the Price Bid.**
- Bidder is required to quote price within 2 decimal places. Price quoted with more than 2 decimal places will be rounded off to 2 decimal places for evaluation.
- The price quoted will be valid till the completion of entire quantity and also confirm that, the rates quoted is inclusive of taxes as applicable and will remain firm & binding, no escalation on above on any account shall be admissible during the currency period of contract except for changes in statutory payments, for which documentary proof should be attached for claiming escalation, if any.
- ., **Purchase Preference** will be given as per **SIT provision for GIT clause No. 35.2 & 35.3** under Section III: Special Instructions to Tenderers (SIT).
- Unloading of items, if any, at General Stores, Salboni shall be done by BRBNMPL.**

Thanking you,

Yours faithfully,

()

Name:.....

(Authorised Signatory of the bidder firm with date)

(Seal)

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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The Tenderer should furnish specific answers to all the questions/ issues mentioned below. In case a question / issue do not apply to a tenderer, the same should be answered with the remark "not applicable". Wherever necessary and applicable, the tenderer shall enclose certified copy as documentary proof/ evidence to substantiate the corresponding statement.

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

Sl. No.	Query	Bidder's Response
1.	Brief description of goods and services offered:	
2.	Name and address of the firm Telephone No. E-mail:	
3	Name & designation of the person who has been authorised to sign the tender documents on behalf of the bidder firm: Contact Telephone number: Mobile No. E-mail:	
4.	Nature of the Firm: (Proprietorship/Partnership/Ltd. Company/Co-op. Society)	
5.	Offer is valid for acceptance upto	120 Days from the date of opening of tender
6.	Your GSTIN (Copy of registration to be enclosed):	
7.	Your Permanent Income Tax A/c No. as allotted by the Income Tax Authority of Government of India: (Please attach certified copy of your latest / current Income Tax clearance certificate issued by the above authority.)	
8.	Please state whether business dealings with you currently stand suspended/ banned by any Ministry / Dept. of Government of India or by any State Govt.. or by PSU.	YES / NO
9	Status: MSE's-2012 /Class-I Local Supplier MII-2017 The Bidder has to up front declare the status clearly under which category is the bidder opts to claim the Purchase Preference Please attach certified copy(s) of your registration status etc. in case your answer(s) to above queries is in affirmative.	
10	Are you registered with central Purchase Organisation (CPO)?	
11	Status:	
a	Are you currently registered with the Central Purchase Organization, and/or as a Micro and Small Enterprise (MSE) as defined in MSEs Order 2012 issued by Ministry of Micro, Small and Medium Enterprises (MSME), and/or as a Start-up as recognised by Department for Promotion of Industry and Internal Trade (DPIIT) and/or the present BRBNMPL and/or the Directorate of Industries of the concerned State Government for the goods quoted?	YES / NO
b	If, YES indicate the date upto which you are registered with Registration Number (Copy of registration to be enclosed)	

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c	If, YES whether there is any monetary limit imposed on your registration	
d	Are you currently registered under the Indian Companies Act, 2013 or any other similar Act? Please attach certified copy(s) of your registration status etc. in case your answer(s) to above queries is in affirmative.	YES / NO
12.	Please indicate name & full address of your Banker(s) and enclose Bank Mandate Form:	
13.	Whether the price Bid is signed and submitted as part II kept in sealed cover with clear superscription on the envelope marking Tender details?	Yes/No
14.	Whether required Bid security declaration in place of EMD is submitted along with the technical bid.	Yes/No
15.	Whether all sections and pages of technical bid accepted, signed, numbered and submitted as Part I	Yes/No
16.	We _____ name of the company confirm that we abide by all the terms & conditions of this tender and we don't have any counter conditions.	ACCEPTED
17.	Necessary supporting documents/credentials fulfilling the criteria of the respective provisions of GOI policies under MSE-2012 / MII-2017 / Start-up, if eligible and if applicable, as per terms and condition of the Tender have been submitted along with the tender (Technical Bid).	YES/NO
18.	Further, I/We also understand that if I/We do not fall under any of the Categories mentioned above, my/our Bid/Tender will be evaluated by BRBNMPL in the normal/usual manner without granting any benefits/exemptions under Government Policies as indicated above	YES/NO

(Authorized Signatory of the bidder firm with date)

Name of Authorised Signatory:

Designation:

Address:

.....

Duly authorized to sign tender for and on behalf of

M/s

Stamp of the tendering firm

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

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED

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T.E No.052/SAL/PUR/2022-23 dated 06/01/2023

Section XIV: Manufacturer's Authorization Form

To

.....

.....

(Name and address of BRBNMPL)

Dear Sirs,

Ref. Your Tender document No..... dated

We,, who are proven and reputable manufacturers of (name and description of the goods offered in the tender) having factories at hereby authorise Messrs (name and address of the authorized dealer/distributor/representative) 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.

We further confirm that no supplier or firm or individual other than Messrs. (name and address of the above authorized dealer/distributor/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.

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.

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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T.E No.052/SAL/PUR/2022-23 dated 06/01/2023

SECTION XV: Bank Guarantee Form for Performance Security

_____ [Insert Bank's Name, and Address of Issuing Branch or Office]

Beneficiary _____ [Insert Name and Address of BRBNMPL]

Date:-----

Performance Guarantee No.-----

WHEREAS (name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract no. dated to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract::

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of (amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding me said debt from the supplier before presenting us with the demand. We further agree that no change or addition to or other modification of the terms of the contract to be performed thereunder or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

We undertake to pay BRBNMPL up to the above amount upon receipt of its first written demand, without BRBNMPL having to substantiate its demand.

This guarantee will remain in force for a period of sixty days after the date of all contractual obligations by the supplier, including the warranty obligations and any demand in respect thereof should reach the Bank not later than the above date.

(Signature of the authorized officer of the Bank)
Name and designation of the officer

Seal, name & address of the Bank and address of the Branch
Name and designation of the officer
Seal, name & address of the Bank and address of the Branch

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

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(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	Accounting unit	Quantity to be supplied	Unit Price (In Rs.	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

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED

(Wholly owned subsidiary of Reserve Bank of India)

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(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES**

T.E No.052/SAL/PUR/2022-23 dated 06/01/2023

(iv) Quality Control

- (a) Mode(s), stage(s) and place(s) of conducting inspections and tests.
- (b) Designation and address of BRBNMPL's inspecting officer

(v) Destination and despatch instructions

(vi) Consignee, including port consignee, if any

(vii) Warranty clause

(viii) Payment terms

(ix) Paying authority

.....

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

For and on behalf of

Received and accepted this contract

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

For and on behalf of

(Name and address of the supplier)

.....

(Seal of the supplier)

Date:

Place:

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

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**TENDER DOCUMENT FOR FABRICATION & SUPPLY OF WATER TENDER - TYPE B
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T.E No.052/SAL/PUR/2022-23 dated 06/01/2023

Section XVII: Letter of Authority for attending a Bid Opening

(Refer to clause 24.2 of GIT)

The Sr. General Manager

Unit Address

Subject: Authorization for attending bid opening on _____ (date) in the Tender of _____

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		
Signature of Bidder or Officer authorized to sign the bid Documents on behalf of the bidder		

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.

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Annexure-A**Bidders' Credentials**

{The bidder is advised to submit the details below along with relevant mandatory documents. All the documents to be signed with proper seal by Authorised person who is signing the tender / bid documents on behalf of the bidder firm}

1. Financial standings (as per Section-IX):

Sr. No.	Financial Year	Annual Turnover (Rs.)	Profit/(Loss) (Rs.)	Net worth (+/-) (Rs.)	Remarks	ITR copy enclosed (Please tick)
a.	2018-19					
b.	2019-20					
c.	2020-21					
Avg. Annual Turnover->						
Required Average Annual Turnover ->		Rs. 21.00 lakhs				

Note (if any):

.....

**2. Format for Experience and Past Performance details w.r.t. Purchase Orders Completion
Certificate issued by customer as per Bid Evaluation Criteria of Section-IX.***(During last five years ending 31/03/2022)*

Sl. No	Description of Work	Location of Work	Client Address and contact details including email	P.O. No. and dated	Quantity of Contract awarded	Period of Contract (From – To date)	Date of Completion	Quantity of Contract Completed	Remarks
a.									
b.									
c.									
			Total->						

Note:

- Experience copies as per qualification criteria of section IX to be enclosed.
- Orders completed earlier than the period indicated in Bid Evaluation Criteria need not be indicated here.
- List of Purchase Orders, not as per qualifying criteria indicated in Bid Evaluation Criteria need not be indicated here.
- Non-submission or incomplete submission of documents may lead to rejection of offer.
- Use separate sheet.

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Sl.No.	Particulars	Tender Fee	Earnest Money Deposit
a.	Amount:		
b.	DD/BC/NEFT/RTGS transaction/ BG No. and date/ Other Electronic Modes using UPI id/ UPI QR code		
c.	Drawn on Bank: Branch :		
d.	Valid up to:		
e.	Original instruments submitted (Y/N)		
f.	Exempted (if any) under:-		
g.	Remarks		

4. I have also enclosed the following annexures and documents as per Section IX Qualification/ eligibility criteria:

- Annexure-B [regarding blacklisting / debarment and confidentiality statement]
- Annexure-C "GST Registration details"
- Annexure-D "NEFT Mandate form"
- Annexure-E "Bid security declaration"
- Annexure-F " regarding restrictions on procurement from a bidder of a country which shares a land border with India"
- Declaration & Undertaking** by Micro & Small Scale Enterprises / Start-up Companies / Entities seeking purchase preference under Make In India Policy / Women entrepreneurs / Registration with TReDS/GeM to be submitted as per Annexure-5 (if applicable)
- Filled in Section VII: Compliance statement – Techno-commercial.**
- Filled in Section XII: Questionnaire.**
- An authenticated copy of the document which authorizes the signatory to commit on behalf of the firm shall accompany the offer as per clause No. 20.1 of GIT.**
- Authorised Dealer/Distributor/Representative of a Principal Manufacturer (applicable only if bidder is not a Principal Manufacturer/OEM).**

I/We declare that the information given above is true and any mis-statement, misrepresentation, or suppression of facts in connection with the above undertaking may entail rejection of the bid and cancellation of contract, if awarded.

(Authorised Signatory of the bidder firm with date)

(Seal)

BHARATIYA RESERVE BANK NOTE MUDRAN (P) LIMITED

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Annexure-B

To Whomsoever It May Concern

This is to confirm that we M/s._____ have not been blacklisted / debarred by BRBNMPL/Government of India/PSU in the past 5 years.

This is to inform that we, M/s._____, had been blacklisted / debarred by _____ from _____(date) to _____(date) in the past 5 years. We further confirm that we do not stand blacklisted/debarred as on the date of tender opening.

[Please strikeout whichever statement is not applicable]

Dated this _____ day of _____

.....
(Authorized Signatory of the bidder firm with date)

Name of Authorized Signatory:

Designation:

Confidentiality Statement

“The information, which is contained in this document will not, in whole or in part be reproduced, transferred to other documents/electronic media or disclosed to others without written consent of BRBNMPL”. We shall also undertake to maintenance secrecy, exclusivity and confidentiality of the high security currency printing environment of BRBNMPL.

Dated this _____ day of _____

.....
(Authorized Signatory of the bidder firm with date)

Name of Authorized Signatory:

Designation:

(Seal)

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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T.E No.052/SAL/PUR/2022-23 dated 06/01/2023

Annexure-C**GST Registration details**

GSTIN / UIN	
PAN	
NAME OF THE SUPPLIER (as per PAN / Legal Name of Business)	
TRADE NAME (as per GST certificate)	
ADDRESS	
STATE	
COUNTRY	
PINCODE	
Constitution of Business	
Taxpayer Type	(i) REGULAR (ii) COMPOSITION (iii) CONSUMER (iv) UNREGISTERED
PARTY TYPE	(i) DEEMED EXPORT (ii) SEZ (iii) NOT APPLICABLE (N.A)
Is an e-COMMERCE OPERATOR (YES / NO)	YES / NO

ITEM DESCRIPTION	HSN / SAC CODE	SGST / CGST / IGST / UTGST	RATE OF GST %

(Authorised Signatory of the bidder firm with date)

(Seal)

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 FABRICATION & SUPPLY OF WATER TENDER - TYPE B
(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES**

T.E No.052/SAL/PUR/2022-23 dated 06/01/2023

Annexure-D**NATIONAL ELECTRONIC FUND TRANSFER (NEFT)****Model Mandate Form**

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

Name of the Scheme and the periodicity of payment

No.

1	Investor / Customer's Name		
2	Particulars of Bank account		
	A	Name of the Bank	
	B	Name of the branch	
		Address	
		Telephone No	
		Whether Bank branch is NEFT enabled	
	C	Code number of the bank and branch appearing on the MICR Cheque issued by the bank	
	D	Type of the account (SB, Current or Cash Credit)	
	E	Ledger and Ledger Folio number	
	F	Account number (as appearing on the Cheque book)	
	G	RTGS / IFSC Code No.	
	(In lieu of the bank certificate to be obtained as under, please attach a blank canceled cheque or photocopy of a cheque or front page of your Savings bank passbook issued by your bank for verification of the above particulars)		
3	Date of effect		

I hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold the user institution responsible. I have read the option invitation letter and agree to discharge the responsibility expected of me as a participant under the scheme.

(.....)

Signature of the Customer

Date:

Certified that the particulars furnished above are correct as per our records.

Bank's Stamp

Date:

(.....)

Signature of the authorized official of the Bank

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T.E No.052/SAL/PUR/2022-23 dated 06/01/2023

ANNEXURE-E

(To be submitted on the Bidder's Company's Letterhead)

BID SECURITY DECLARATION IN LIEU OF EARNEST MONEY DEPOSIT

To,

The Sr. General Manager

BRBNMPL, SALBONI.

Sub: Submission of Bid Security Declaration in Lieu of Earnest Money Deposit against Tender no.
.....for

Dear Sir,

1. I/We have downloaded / obtained the tender document for the above mentioned "Tender/Work" from the BRBNMPL Portal.

2. I/We understand that according to terms and conditions of this tender, bid must be supported by a bid security, which may be in the form of Bid Security Declaration.

3. I/We hereby undertake that if in case I/We withdraw or modify my/our Bid during the period of validity or if I/We are awarded the contract and I/We fail to sign the contract (NoA / Lol / P.O. / W.O. / Agreement etc.) or to submit a performance security before the deadline defined in the request for bids document then I/We will be suspended for the period of 1 (ONE) year from being eligible to submit Bids to BRBNMPL, Salboni.

4. I/We understand that this Bid Security Declaration shall cease to be valid under the following circumstances:

- i. I am/we are declared ineligible/ unsuccessful or
- ii. I am/ We are declared as successful bidder and I/we have furnished the Performance Security and Signed the Contract within the stipulated time.

Place: _____ Signature: _____

Date: _____ Name: _____

Designation: _____

Authorized Signatories

Seal

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T.E No.052/SAL/PUR/2022-23 dated 06/01/2023

ANNEXURE-F

(To be submitted on the Bidder's Company's Letterhead)

DECLARATION REGARDING RESTRICTIONS ON PROCUREMENT FROM A BIDDER OF A COUNTRY WHICH SHARES A LAND BORDER WITH INDIA

To,
The Sr. General Manager
BRBNMPL, Salboni.

Sub: Declaration Regarding Restrictions on Procurement from a Bidder of a Country which shares a Land Border with India

Ref: Tender no. _____

Dear Sir,

I/We declare that

1. "I/We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I/We certify that M/s(Name of Bidder) is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that M/s(Name of 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.]"

Further I/We declare that

2. "I/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; I/We certify that M/s(Name of 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 contractor is registered with the Competent Authority. I/We hereby certify that M/s(Name of 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.]"

Place: _____ Signature: _____

Date: _____ Name: _____

Designation: _____

Authorized Signatories

Seal

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

**Salient features of 'Public Procurement Policy for Micro and Small Enterprises (MSEs)
Order, 2012'**

CONDITIONS FOR MICRO AND SMALL ENTERPRISES (MSEs)

1. MSEs must be registered with any of the following in order to avail the benefits / preference available under MSEs Order, 2012: -
 - a) District Industries Centres (DIC)
 - b) Khadi and Village Industries Commission (KVIC)
 - c) Khadi and Village Industries Board
 - d) Coir Board
 - e) National Small Industries Corporation (NSIC)
 - f) Directorate of Handicraft and Handloom
 - g) Any other body specified by Ministry of MSME (MoMSME)
 - h) Udyog Aadhaar Acknowledgment / Udyog Aadhaar Memorandum issued by MoMSME
2. 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**.
3. 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.
4. 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.*
5. **Manufacturer for tendered items / Service provider of tendered services:** The MSE bidder must be Manufacturer of tendered items for procurement / Service provider who is 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.
6. The MSEs registered with above mentioned agencies / bodies are exempted from payment of Earnest Money Deposit (EMD) & Tender fees.
7. **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.

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8. 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.
9. Items which are reserved for exclusive purchase from MSEs shall be procured from Micro and Small Enterprises as per Public Procurement Policy.
10. 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.
11. In case MSE bidder is L1, entire value of the tender is to be ordered on the L1 MSE bidder.
12. 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).
13. 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.
14. 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.
15. 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.
16. 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.
17. For more clarity in this regard, following table is furnished: -

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

18. The purchase preference to MSEs is not applicable for works contracts where supply of goods not produced by MSEs is also involved.
19. **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.

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20. 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
21. **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
22. Micro & Small Scale Enterprises have to submit a declaration and undertaking along with their offer as per *Declaration & Undertaking by Micro & Small Scale Enterprises / Start-up Companies / Entities seeking purchase preference under Make In India Policy / Women entrepreneurs / Registration with TReDS/GeM on the Company/ Firm's letter head as per the format specified in Annexure -5.*

CONDITIONS FOR START-UP COMPANIES

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 during submission of Technical bid.
3. Start-ups registered with DPIIT are exempted from payment of Earnest Money Deposit (EMD) & Tender fees.
4. Prequalification Criteria with respect to Prior Turnover and Prior Experience may be relaxed for Start-ups as per the GOI guidelines.
5. 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.
6. 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.
7. Start-up Companies have to submit a declaration and undertaking along with their offer as per *Declaration & Undertaking by Micro & Small Scale Enterprises / Start-up Companies / Entities seeking purchase preference under Make In India Policy / Women entrepreneurs / Registration with TReDS/GeM* on the **Company/ Firm’s letter head as per the format specified in Annexure –5.**

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(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES****T.E No.052/SAL/PUR/2022-23 dated 06/01/2023****Annexure-3****Salient features of revised 'Public Procurement (Preference to Make in India) Order, 2017'**

- As per the revised Order, suppliers have been classified as 'Class-I Local Supplier', 'Class-II Local Supplier' and 'Non-Local Supplier' as defined below *(para 2 of order)*: -
 - 'Class-I Local Supplier' - supplier or service provider whose Goods, Services or Works has local content equal to or more than 50% - *shall get purchase preference* provided quoted price falling within margin of price preference i.e. within L1 + 20%
 - 'Class-II Local Supplier' - supplier or service provider whose Goods, Services or Works has local content more than 20% but less than 50% - *shall not get any purchase preference*
 - 'Non-Local Supplier' - supplier or service provider whose Goods, Services or Works has local content less than or equal to 20% - *shall not get any purchase preference*
- Other important definitions *(para 2 of order)*: -
 - 'Local content'- means the amount of value added in India i.e. total value of the item (excluding local taxes) minus the value of import content in the item (including customs duty) as a proportion of the total value of the item, in percent
 - 'Margin of purchase preference' – means the maximum extent to which the price quoted by a 'Class-I Local Supplier' can be above L1 price for the purpose of purchase preference. The margin of purchase preference shall be 20%
- Different procurement scenarios in procurement of Goods, Services or Works *(para 3)*: -

S/N	Scenario	Tender Type	Tender value	Eligible bidder	Relaxation
1	There is sufficient local capacity and competition	OTE/NCB	Any value	'Class-I Local Supplier'	Relaxation (as per para 10 (a) and (b) of order)
2	There isn't sufficient local capacity and competition	OTE/NCB	< ₹200 Crore	'Class-I Local Supplier' 'Class-II Local Supplier'	Relaxation (as per para 10 (a) and (b) of order)
		GTE/ICB	Any value*	'Class-I Local Supplier' 'Class-II Local Supplier' 'Non-Local Supplier'	Relaxation (as per para 10 (a) and (b) of order) to Class-I and Class-II Local Suppliers

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

- Procedure for purchase preference to 'Class-I Local Supplier' applicable for procurement scenario 2 in para 3 above is explained below in brief *(para 3A (b) and (c) of order)*: -
 - Procurement of Goods and Works which are *divisible* in nature (e.g. consumables): -
 - 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

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- If 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 left uncovered on 'Class-I Local Supplier', then such balance quantity can be ordered on the original L1 bidder
- ii. Procurement of Goods and Works which are *not divisible* in nature (e.g. Varnish Plant) 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 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 unable to match L1 price, contract awarded to original L1 bidder
- 5. **Verification of local content:** Verification of local content will be as per “**para 9**” (a) & (b) of DPIIT order No. P-45021/2/2017-B.E.-II dated 04.06.2020.
The Class-I local supplier/Class-II local supplier at the time of tender, bidding or solicitation shall be required to indicate percentage of local content and provide self-certification (**as per format given below on the manufacturers company letter head**) that the item required to indicate percentage of the local content requirement for Class-I local supplier/Class-II local supplier as the case may be. They shall also give details of the location(s) at which the local addition is made.

“We _____ (Name of Manufacturer/Supplier) undertake that we meet the mandatory minimum Local Content (LC) requirement i.e. _____ for claiming purchase preference linked with Local Contents under the Govt. policy against under tender no. _____.”

In cases of procurement for a value in excess of Rs.10 crores, the Class-I local supplier/Class-II local supplier shall be required to provide a certificate from the statutory auditor 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) giving the percentage of local content.
- 6. **False declarations (para 9 (f) & (g) of DPIIT order),**
False declarations will be breach of the code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.
- 7. A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities.
- 8. Relaxations in Eligibility Criteria (Para 10 (a) & (b) of DPIIT) order)
- 9. Besides above, the bidders have to submit a declaration and undertaking along with their offer as per *Declaration & Undertaking by Micro & Small Scale Enterprises / Start-up Companies / Entities seeking purchase preference under Make In India Policy / Women entrepreneurs / Registration with TReDS/GeM* on the **Company/ Firm's letter head as per the format specified in Annexure -5.**

PROCEDURE TO BE ADOPTED WHEN THE BIDDER QUALIFIES AS BOTH MSE AND CLASS-I LOCAL SUPPLIER

The option in case of bidders qualifying under both Policies, namely, Public Procurement Policy for MSEs Order, 2012 (MSEs-2012) and Public Procurement (Preference to Make in India) Order, 2017 (MII-2017) shall be exercised as under:

1. The bidder can avail only one out of the two applicable purchase preference policies, i.e., MSEs-2012 and MII-2017. Therefore, bidder will be required to furnish the option under which he desires to avail purchase preference. This option must be declared within the offer and in case bidder fails to do so although he is eligible under both the Policies, BRBNMPL shall evaluate his offer considering MSEs-2012 as the default chosen option.
2. In case a bidder opts for preference under MSEs-2012, he shall not be eligible to claim benefit under MII-2017 (irrespective of the fact whether he furnishes the details of local content in his offer and the same meets the stipulated local content criteria).
3. In case a bidder opts for purchase preference based on MII-2017, he shall not be entitled to claim benefit of purchase preference as applicable for MSE bidders under MSEs-2012. However, the exemptions from furnishing Bid security (EMD) shall continue to be available to such a bidder.
4. In view of the above,
 - a. The bidder's quoted prices against various items of enquiry shall remain valid even in case of splitting of quantities of the items, except in case of items where the quantity cannot be split since these are to be awarded in a Lot or as a package or Group.
 - b. While evaluating the bids, for price matching opportunities and distribution of quantities among bidders, the order of precedence shall be as under:
 - MSE bidder (MSEs-2012)
 - Class-I Local Supplier (MII-2017)
5. In case the bidder has not declared his status as to whether he is an MSE Bidder or Class-I Local Supplier during bid submission, then he will be considered as non MII-2017 compliant bidder and evaluated accordingly. No further correspondence will be made in this regard.

Examples of Purchase Preference:**a. Non divisible item**

L1 bidder is neither MSE nor Class-I Local Supplier

L2 bidder is Class-I Local Supplier (within L1 + 20%)

L3 bidder is MSE bidder (within L1 + 15%)

L3 bidder i.e. MSE bidder shall be given preference to match the L1 price. If L3 bidder matches the L1 price, Order shall be placed on him, otherwise, option for matching the L1 price shall be given to L2 bidder (Class-I Local Supplier)

b. Divisible item

L1 bidder is neither MSE nor Class-I Local Supplier

L2 bidder is Class-I Local Supplier (within L1 + 20%)

L3 bidder is MSE bidder (within L1 + 15%)

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MSE bidder shall be given preference to match the L1 price. If L3 bidder matches the L1 price, order shall be placed on him for at least 25% of the tendered quantity. For balance quantity (i.e. 50% of tendered quantity/value), option for matching the L1 price shall be given to L2 bidder (Class-I Local Supplier). Remaining quantity (25%) shall be awarded to natural lowest bidder. For further clarification, in case an item has quantity 4 nos. then 1 no. (25%) can be given to MSE bidder, 2 nos. (50%) to Class-I Local Supplier and left out 1 no. to natural L1 bidder.

Note:

The above two examples are not applicable to the Works Contracts since MSEs Order, 2012 is not applicable to works contracts.

- In case lowest bidder is a MSE bidder, the entire work shall be awarded to him without resorting to purchase preference to bidders complying under MII-2017.
- In case lowest bidder is a Class-I Local Supplier, purchase preference shall be resorted to MSE bidder as per provisions specified in the enquiry document w.r.t. MSEs-2012 only.

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purchase preference under Make In India Policy / Women entrepreneurs / Registration with TReDS/GeM
(To be filled in the Company letter head)**

Date:

Sl No	Particulars	Details
1	Is your organization Proprietary / Partnership / Private Limited Company / Public Limited Company / Others
2	Does your organization belong to Micro / Small scale Industry / Start-up / Class-I Local Supplier / others (Please tick mark appropriate box. Bidders may tick more than one, if eligible)	<input type="checkbox"/> Micro <input type="checkbox"/> Small Scale <input type="checkbox"/> Start-up Company <input type="checkbox"/> Class-I Local Supplier <input type="checkbox"/> Others
3	In case you belong to Micro / Small Scale Enterprises, whether you are a Manufacturer for the tendered items (supply) / Service Provider for the tendered services (Please tick mark the appropriate box)	<input type="checkbox"/> Manufacturer for supply items <input type="checkbox"/> Service Provider for services <input type="checkbox"/> Trader/dealer/reseller/distributor/ authorized agent <input type="checkbox"/> Non MSE Bidder
4	In case you belong to Micro / Small Scale Enterprises, whether you are registered under SC / ST Category. <i>If yes, valid documentary evidence to be submitted</i> (Please tick mark the appropriate box)	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, whether <input type="checkbox"/> SC <input type="checkbox"/> ST
5	In case you belong to Micro / Small Scale Enterprises, whether your firm/ organization is owned by Women entrepreneurs? <i>If yes, valid documentary evidence to be submitted</i> (Please tick mark the appropriate box)	<input type="checkbox"/> Yes <input type="checkbox"/> No
6	Are you registered under TReDS (Trade Receivable electronic Discounting System approved by RBI) Applicable for Micro, Small and Medium Enterprises (Please tick mark the appropriate box)	<input type="checkbox"/> No <input type="checkbox"/> Yes If yes, whether <input type="checkbox"/> RXIL <input type="checkbox"/> A-Treds <input type="checkbox"/> M1Xchange (Tick agency with whom you are registered along with Regn No.) Regn No.
7	Has your firm/organization registered your items/services in Government e-Marketplace (GeM)	<input type="checkbox"/> Yes <input type="checkbox"/> No
8	In case you are both a valid MSE bidder and Class-I Local Supplier (Make in India Policy), please give your preference. (Please tick any one)	<input type="checkbox"/> MSE <input type="checkbox"/> Class-I Local Supplier
9	In case you are claiming benefits under Make in India Policy, whether you are meeting the minimum local content as mentioned in the tender document/ concerned Ministry guidelines/Policy.	<input type="checkbox"/> Yes, Local Content _____ % <input type="checkbox"/> Not applicable for this tender

Declaration: I/We hereby declare that the above data submitted are true and back-up documents are attached as proof of the same. In case any submitted data are found to be incorrect/false, my/our bid is liable to be rejected and I/we am/are liable for suitable actions as per relevant BRBNMPL Policy.

I/We also understand that in case I/we am/are not claiming benefits under Make in India Policy, or under MSEs Order as per tender requirements, then purchase preference shall apply to other bidders who have quoted accordingly as per policy.

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 FABRICATION & SUPPLY OF WATER TENDER - TYPE B
(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES****T.E No.052/SAL/PUR/2022-23 dated 06/01/2023****A. Categorization of MSE/SC-ST & Women Vendors**

1. In case of Micro/Small scale Enterprises, kindly 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.
2. SC/ST and Women entrepreneurs registered under MSEs need to submit valid documentary evidence.

B. Categorization of Start-up Companies

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, Ministry of Commerce and Industry, Govt. of India and his eligibility shall be valid as on bid closing date.

C. Declaration in case of MSE Bidders / Start-up Companies

In terms of Tender Conditions applicable for Micro & Small Enterprises (MSEs) / Start-ups, we hereby declare as under: -

- a. We are a Micro / Small Enterprise, as on bid closing date of this tender.
- b. We are a Manufacturer of the quoted supply item(s)/service provider for quoted services and valid documentary evidence for same is submitted.
- c. MSE certificate submitted by us is authentic & valid as on bid closing date of this tender.
- d. We are a 'Start-up' company and we are enclosing copy of certificate of recognition issued by Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Govt. of India.
- e. We are a Micro / Small Enterprise which is owned by SC-ST/women entrepreneurs and we are submitting valid documentary evidence for the same.

D. Declaration in case of entities seeking purchase preference under Make in India Policy

We have read carefully the terms and conditions for availing the benefits of purchase preference under Make in India Policy and we are meeting all the requirements of Local Content and duly certified documents for proving the stipulated local content along with details of the location(s) where local value addition is made as mentioned in this document are enclosed.

We declare the above details are true. In case any of the details are found to be false/untrue, our offer will be liable for rejection /cancellation of order/subjected to appropriate actions as per tender Terms & Conditions.

.....

Authorized Signatory

(With Company Seal & Signature)

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T.E No.052/SAL/PUR/2022-23 dated 06/01/2023

Annexure - 6

**PERFORMANCE BANK GUARANTEE ISSUED ON BEHALF OF HOLDING COMPANY FOR
SATISFACTORY PERFORMANCE OF CONTRACT BY ITS SUBSIDIARY COMPANY**

(Name of the Bank and Address of the issuing branch)

Date: _____

Name and Address of the Beneficiary:

Bharatiya Reserve Bank Note Mudran (P) Limited,
Note Mudran Nagar,
Salboni – 721132.

Name / Number of Tender/Contract: _____

Performance Bank Guarantee No.: _____

Performance Bank Guarantee Value: _____

Performance Bank Guarantee Validity: _____

WHEREAS, _____ ("**Bidder**"), the wholly owned subsidiary of our constituent _____ ("**Holding Company**") has submitted its offer in response to your *Notice Inviting Tender* bearing no. _____ dated _____ for supply of _____ and has been selected by you as the '*successful bidder*'. Subsequently, you have issued a letter of engagement bearing no. _____ dated _____ to the Bidder.

WHEREAS, we have been informed that it has been stipulated by you in the tender documents that the holding company of the Bidder, shall furnish you with (i) an undertaking to provide '*Financial Support*' to the Bidder; and (ii) an unconditional and irrevocable Bank Guarantee ("**Guarantee**") by a Scheduled Commercial Bank recognized by you as security by the Holding Company for compliance by the Bidder of its obligations under the contract to be executed between yourselves and the Bidder for supply of _____ ("**Contract**").

AND WHEREAS, pursuant to the undertaking bearing reference no. _____ dated _____ given by the Holding Company, the Holding Company has approached us to provide a Guarantee which we have agreed to, as below:-

NOW THEREFORE, we affirm that, we, as the guarantors hereby extend our guarantee and undertake to indemnify you on behalf of the Bidder and the Holding Company, without any demur, cavil or argument up to a sum of _____/- (Rupees _____ Only) upon your first written demand declaring the Bidder to be in default under the Contract.

This unconditional Guarantee shall come into full force and effect on the date of execution of the Contract or the date of issue of work order, whichever is earlier.

This Guarantee shall apply and be supplemental to the Contract as amended, modified or varied by you and the Bidder from time to time. The Holding Company hereby authorizes the Bidder to agree to any such amendment, modification or variation, the due performance and compliance with which the Bidder is guaranteed herein. The Holding Company's obligations and liabilities

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under this Guarantee shall not be discharged by any allowance of time or other indulgence whatsoever.

We hereby unconditionally and irrevocably undertake to pay you a sum of Rs. _____ /- (Rupees _____ Only), upon receipt of your written demand, without you having to substantiate or prove your demand. We further agree that such demand shall be final and binding on us notwithstanding any dispute or suit or other legal proceedings including arbitration pending before any court, tribunal or arbitrator.

This unconditional and irrevocable Guarantee shall remain in full force and effect until all of the Bidder's duties, obligations (including warranty obligations) and liabilities under the contract have been discharged, of which you will be the sole judge and for a further period of 90 (Ninety) days thereafter or 90 (Ninety) days from the date of earlier termination of the Contract and any demand in respect thereof should reach the Bank not later than the above date.

Signature of the authorized officer of the Bank

_____ (Name)

_____ (Designation)

Seal and Address of the Bank

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T.E No.052/SAL/PUR/2022-23 dated 06/01/2023

Annexure - 7

ON THE LETTER HEAD OF THE HOLDING COMPANY

Ref. :- _____

Date: _____

To,
Bharatiya Reserve Bank Note Mudran (P) Limited,
Note Mudran Nagar,
Salboni – 721132.

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. _____ for the supply 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.

_____ (Name)

_____ (Designation)

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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(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES****T.E No.052/SAL/PUR/2022-23 dated 06/01/2023****Annexure-8****MODEL CLAUSES FOR TENDERS**

1. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority.
2. "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.
3. "Tender" will include other forms of procurement, except where the context requires otherwise.
4. "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
5. 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.
6. An "Agent" is a person employed to do any act for another, or to represent another in dealings with third person.
7. 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.

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, in case a bidder has proposed to supply finished goods procured directly / indirectly from the vendors from the countries sharing land border with India, such vendor will be required to be registered with the Competent Authority

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(COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES****T.E No.052/SAL/PUR/2022-23 dated 06/01/2023**

Check List for Tenderers	
Please ensure that	
1	<p>The First sealed cover (Part I) should contain :-</p> <ol style="list-style-type: none">All the pages of tender document duly sealed/signed.Signed copies of Section II - GIT & Section IV GCCProforma of (Section X: Tender Form) is completely Filled & signed.Section VII-Compliance statement for Technical Specifications to be signed, stamped and submitted.Section VIII – Quality Control Requirements to be filled & signed.Documents in support of Qualification/Eligibility criteria (Section IX), Section XII: Questionnaire & Section XIV – Manufacturer’s Authorization certificate.Tender Fee, EMD or Bid security declaration in lieu of EMD as mentioned in the tender.NEFT mandate form to be duly, filled, signed, sealed & submitted.GA drawings of the offered machine and panels.Enclose all Annexures from Annexure A to F & Annexures 1-8 as applicable.Copies of Professional Tax, GST, PAN No. etc. to be submitted.Price Indication in this Part-I is liable for rejection.
2	<p>The Second sealed cover should contain :-</p> <p>Price bid as per Section – XI, Price schedule to be submitted in a second sealed cover superscribed as TE-052/SAL/PUR/2022-23 dated 06/01/2023, Tender for FABRICATION & SUPPLY OF WATER TENDER - TYPE B (COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES.</p>
3.	<p>All the above-mentioned two sealed covers are put in a Separate sealed cover superscribed “Tender for FABRICATION & SUPPLY OF WATER TENDER - TYPE B (COMPLYING BIS 950) WITH ACCESSORIES AND ADVANCED FIREFIGHTING ANCILLARIES” against TE-052/SAL/PUR/2022-23, dated 06/01/2023, due on 07/02/2023 and submitted.</p> <p><i>(Note: Tenderer should clearly mention their Name, Address and Contact Nos. on this Sealed Cover.)</i></p>
4	<p>All Correspondences should be addressed to:</p> <p>The Sr. General Manager, Bharatiya Reserve Bank Note Mudran (P) Ltd, PO: RBNML, Salboni – 721 132 Dist: Midnapore (West) West Bengal</p>

Note: The printout of this tender document should be taken on both sides of A4 size paper only.