F. No. – 1(46)/JMRC/O&S/TEM/2019/CAMC of RO CDPE

Price: Rs. 1180 /-

NIB No.: JMRC/O&S/EL/2019-20/NIB/025

JAIPUR METRO RAIL CORPORATION LTD.

“Comprehensive Annual Maintenance Contract of THERMAX Make RO plant installed at Chandpole Metro Station of JMRC for Three Years”

JAIPUR METRO

Jaipur Metro Rail Corporation Ltd.
Admin Building, Mansarover Metro Train Depot, Bhrigu Path,
Mansarover, Jaipur (Rajasthan) – 302020
Website: http://transport.rajasthan.gov.in/jmrc
# TABLE OF CONTENTS

1. Notice Inviting Bids.................................................................4
2. Instruction to Bidders.................................................................7
2.1 Sale of Bidding Document/Bid Document........................................7
2.2 Cost of Bid Document and Bid Security/EMD......................................7
2.3 Changes in the Bidding Document................................................8
2.4 Period of Validity of Bids............................................................9
2.5 Eligibility Criteria.........................................................................9
2.6 Format and Signing of Bids............................................................10
2.7 Submission of Bids.......................................................................10
2.8 Cost & Language of Bids...............................................................12
2.9 Alternative/Multiple Bids...............................................................12
2.10 Deadline for the submission of Bids...............................................12
2.11 Receipt and Custody of Bids..........................................................12
2.12 Withdrawal, Substitution and Modification of Bids............................13
2.13 Opening of Bids..........................................................................13
2.14 Selection Method.........................................................................13
2.15 Clarification of Bids......................................................................14
2.16 Evaluation of Bids........................................................................14
2.17 Negotiations...............................................................................16
2.18 Acceptance of the successful Bid and Issuance of Purchase Order........16
2.19 Procuring entity’s right to accept or reject any or all Bids....................17
2.20 Performance Security Deposit.......................................................17
3. General Conditions of Contract.......................................................18
3.1 Terms & Conditions.....................................................................18
3.1.1 Contract Documents................................................................18
3.1.2 Scope of Supply.......................................................................19
3.1.3 Delivery.................................................................................19
3.1.4 Inspection................................................................................19
3.1.5 Rejection................................................................................19
3.1.6 Payments................................................................................19
3.1.7 Liquidated Damages (LD).........................................................19
3.1.8 Termination.............................................................................20
4. Special Terms and Conditions of Bid & Contract.................................21
4.1 Bidders to Bid for all items............................................................21
4.2 Payment Terms and Schedule.......................................................21
4.3 Warranty.....................................................................................22
4.4 Other Special Terms....................................................................22
4.5 Variation......................................................................................22
5. Scope of Work...............................................................................23
5.1 Introduction................................................................................23
6. Technical Bid Formats And Details..................................................26
7. Bid Forms....................................................................................27
7.1 Form A: Form of Bid..................................................................27
7.2 Form B: Bidder’s Profile..............................................................29
7.3 Form C: Format of Bank Guarantee for Performance Security.............30
7.4 Form D: Bidder’s Authorization Certificate {to be filled by the BIDDERS}..32

Signature of Authorized Signatory along with seal
7.5 Form E: Format of Power of Attorney ................................................................. 33
7.6 Form F: Self Declaration {to be filled by the Bidder} ........................................ 35
7.7 Form G: Certificate of Conformity/No Deviation {to be filled by the Bidder} ...... 36
7.8 Form H: Annexure:- A Compliance with the Code of Integrity and No conflict of Interest ................................................................. 37
7.9 Form H: Annexure:- B Declaration by the Bidder regarding Qualifications ...... 38
7.10 Form H: Annexure:- C Grievance Redressal during Procurement Process ...... 39
7.11 Form I: [See rule S3] ......................................................................................... 41
7.12 Form K: Work Experience .................................................................................. 42
7.13 Form L: Bank Details ......................................................................................... 43
7.14 Form M: Contract Agreement ............................................................................ 44
7.15 Form N: Black List Certificate ........................................................................... 46
7.16 Bill of Quantities ................................................................................................. 47
7.17 Annexure -1 Capacity of applicant ..................................................................... 49
7.18 Check List ............................................................................................................. 50
7.19 Annexure 2: Detailed specification RO plant installed at CDPE Metro Station ... 51

Signature of Authorized Signatory along with seal
1. NOTICE INVITING BIDS

1.1 Jaipur Metro Rail Corporation (JMRC) Ltd. invites Request for proposal (Two stage Two envelope method) “Comprehensive Annual Maintenance Contract of THERMAX Make RO plant installed at Chandpole Metro Station of JMRC for Three Years” through e-tendering process i.e. by online tendering process.

1.2 The complete Bid document can be downloaded for online submission from the state e-procurement website https://eproc.rajasthan.gov.in and the interested Bidders will have to submit their offer in electronic formats both for technical and financial Bid on this website with their digital signatures. The complete Bid document can also be seen on Corporation’s website http://transport.rajasthan.gov.in/jmrc and state procurement portal www.sppp.rajasthan.gov.in.

1.3 Bidders who wish to participate in this Bidding process must register on https://eproc.rajasthan.gov.in. To participate in online Bids, as per Information Technology Act, 2000, Bidders will have to obtain Digital Signatures (class-2 / class-3 category) issued by a licensed Certifying Authority for e-Bidding portal. Bidders who already have a Valid Digital Signature Certificate need not obtain a new Digital Signature Certificate. This DSC will be used to sign the Bids submitted online by the Bidder. Unsigned Bids will not be entertained and will be rejected outright.

1.4 KEY DETAILS:

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1. Designation and address of inviting authority</td>
<td>ED (Traction and E&amp;M), Jaipur Metro Rail Corporation Ltd., JAIPUR</td>
</tr>
<tr>
<td>2. NIB/Bid No</td>
<td>JMRC/O&amp;S/EL/2019-20/NIB/025</td>
</tr>
<tr>
<td>3. Name of Work</td>
<td>“Comprehensive Annual Maintenance Contract of THERMAX Make RO plant installed at Chandpole Metro Station of JMRC for Three Years”</td>
</tr>
<tr>
<td>4. Cost of Bid Form</td>
<td>Rs. 1,180/- (includes 18 %GST), in the form of Banker’s Cheque/ Demand Draft of a Scheduled Commercial Bank in favour of “Jaipur Metro Rail Corporation Ltd.” payable at Jaipur Cost of Bid Form is not refundable</td>
</tr>
<tr>
<td>5. E- Bid Processing Fee (Non-Refundable)</td>
<td>Rs. 1,180/- (By demand draft/ Banker’s cheque payable in favour of ‘MD, RIL’ payable at Jaipur)</td>
</tr>
<tr>
<td>6. Estimated Cost</td>
<td>Rs. 10,32,736/- (Including GST)</td>
</tr>
<tr>
<td>7. Earnest Money Deposit (EMD) / Bid Security.</td>
<td>Rs. 20,655/- (2 % of the Estimated Cost) in the form of Banker’s Cheque/ Demand Draft of a Scheduled Commercial Bank in favour of “Jaipur Metro Rail Corporation Ltd.” payable at Jaipur</td>
</tr>
<tr>
<td>8. Last Date &amp; Time, Venue for Physical submission of original DD/ BC for Bid fee, EMD / Bid Security and e-BID Processing Fee in JMRC office.</td>
<td>Last date and Time: 03-03-2020 till 12:00 hrs. Venue: Office of Manager (Traction/E&amp;M), JMRC, Room no. 107, First Floor, Admin Building, Mansarovar Metro Train Depot, Bhimgar path, Mansarovar, Jaipur-302020.</td>
</tr>
<tr>
<td>9. Performance Security</td>
<td>05% of the basic contract amount (excluding Buy Back price) in the form of Banker’s Cheque/ Demand Draft/ Bank guarantee of a Scheduled Commercial Bank in favour of “Jaipur Metro Rail Corporation Ltd.” payable at Jaipur</td>
</tr>
<tr>
<td>10. Name of website (s) for</td>
<td><a href="https://eproc.rajasthan.gov.in">https://eproc.rajasthan.gov.in</a></td>
</tr>
</tbody>
</table>

Signature of Authorized Signatory along with seal
<table>
<thead>
<tr>
<th><strong>download of Bid document and clarification (s) / Modification (s), if any</strong></th>
<th>Bid is also available on <a href="http://transport.rajasthan.gov.in/jmrc">http://transport.rajasthan.gov.in/jmrc</a> <a href="http://www.sppp.rajasthan.gov.in">www.sppp.rajasthan.gov.in</a></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>11. Websites for Online BID submission</strong></td>
<td><a href="https://eproc.rajasthan.gov.in">https://eproc.rajasthan.gov.in</a></td>
</tr>
<tr>
<td><strong>12. Bid Download Start Date and Time</strong></td>
<td>1700 Hrs. dated <strong>13.02.2020</strong></td>
</tr>
<tr>
<td><strong>13. Bid Submission start date and Time</strong></td>
<td>1700 Hrs. dated <strong>13.02.2020</strong></td>
</tr>
<tr>
<td><strong>14. Last Date &amp; Time for Online Submission of Bid</strong></td>
<td>1800 Hrs. dated <strong>02.03.2020</strong></td>
</tr>
<tr>
<td><strong>15. Date and Time of Opening of Technical Bid</strong></td>
<td>1500 Hrs. dated <strong>03.03.2020</strong></td>
</tr>
<tr>
<td><strong>16. Opening of Financial Bid</strong></td>
<td>Subsequent to Technical Bid opening (Date to be intimated later to the Technically qualified Bidders through e-procurement website)</td>
</tr>
<tr>
<td><strong>17. Venue of Opening of Bid</strong></td>
<td>Venue: Room No- 107, Office of Manager (Traction/E&amp;M), JMRC, First Floor, Admin Building, Mansarover Metro Train Depot, Bhrgu path, Mansarover, Jaipur-302020</td>
</tr>
<tr>
<td><strong>18. Validity of Bid</strong></td>
<td>90 days from the last date of submission of Bid</td>
</tr>
<tr>
<td><strong>19. Contract Period</strong></td>
<td>Three Years from the date of issue of LOA (Letter of Acceptance)</td>
</tr>
</tbody>
</table>

**20. Minimum Eligibility Criteria:**

A. Bidder should have valid GST registration certificate issued by competent authority and shall enclose GST certificate along with bid submission.

B. Applicant should have valid PAN certificate/ card issued by the Income Tax Dept. of GOI and enclose PAN certificate.

C. **Work Experience:** The bidder firm should have satisfactorily completed similar works during last five financial years and the period ending last day of month previous to the one in which the Bids are invited in current financial year and should be either of the following:

   i. Three similar completed contracts each of contract value not less than 40% of estimated cost i.e. Rs. 4,13,094/- OR
   
   ii. Two similar completed contracts each of contract value not less than 50% of estimated cost i.e. Rs. 5,16,368/- OR
   
   iii. One similar completed contracts each of contract value not less than 80% of estimated cost i.e. Rs. 8,26,189/-.  

**Note:**

1. **Bidder is required to submit the details as per Form-K along with supporting documents:** The Bidder shall attach copy of LOAs / POs/Work Orders along with their individual work completion certificates issued by the authorized signatory preferably on their letter head of the contract/work awarding agency, mentioning Period of the contract, work completion date, name of the work and Amount paid for the contract, BOQ. With Financial Year wise details of payments made against that particular work with his bid documents.

Signature of Authorized Signatory along with seal - Page 5 of 55
II. Definition of similar works:
1. The works completed here shall mean having physically completed that particular work.
2. The bidder firm should have work experience of successful completion of Contract related to Supply /Installation/ Testing and Commissioning/ maintenance/ repairing/Comprehensive Annual Maintenance Contract /Annual Maintenance Contract of RO/ Water Purifier/ Water Supply Purification system / Water Or Waste Water Treatment work any Central Govt. Department /State Govt. Department /PSUs of Central or any state Govt./ Any Metro Rail In India/ Indian Railways or it's PSU's/ Autonomous body of Any Govt.
3. The Bidder shall submit the details of the same as per Form-K.

A. Firm shall not be blacklisted by Central Government, any State Government or any Government agency or Public sector undertaking (PSU). Firm shall submit an undertaking to this effect as per Form-N.

B. Annual Turnover:- The average annual turnover of bidder during each of last three audited financial years (2016-17, 2017-18 and 2018-19) should not be less than forty percent (40%) of the estimated cost given in NIB i.e. Rs. 4,13,094/- The Bidder is required to present the data as per Annexure-1 along with supporting documents for last three years as mentioned below:
- Audited profit and loss A/c and audited balance sheet showing the required turnover, certified by a Chartered Accountant with stamp and signature.
- OR
- Turnover statements, certified by a Chartered Accountant.

21. Bank Account details should be attached with bid document by bidder on their letterhead, duly signed and stamped or should be supported with one copy of cancelled cheque.
(Form L: Bank details)

At any stage if it is found that bidder has not met any of the above eligibility criteria, his bid will be summarily rejected and action shall be taken as per terms and conditions of this bid documents.

Note:
1. All above events will be held at JMRC, Admin Building, Mansarover Depot, Bhrigu Path, Jaipur-302020.
2. Corrigendum, Addendums and subsequent clarifications on bid terms, if any, can be downloaded from the Website https://proc.rajasthan.gov.in. Intimation for change in the schedule of Bid opening etc. shall be published on above mentioned websites only. Keep visiting these websites for any subsequent clarifications & modifications.
3. In case of any further details required, the same can be collected from the Manager (Traction/ E&M), Room No- 107, First Floor, Admin Building, Mansarover Metro Train Depot, Bhrigu path, Mansarover, Jaipur-302020. Email Id- mgrem.jmrc@gmail.com
4. Bidder is advised to visit actual site of JMRC and examine the scope of the work before quoting the rates. For this, bidder may contact JMRC field staff, Mr. Nagendra Singh, J.E./E&M/JMRC. Ph- 7728895620.

Signature of Authorized Signatory along with seal
2. **INSTRUCTION TO BIDDERS**

2.1 **Sale of Bidding / Bid Documents**

2.1.1 The sale of bidding documents shall be commenced from the date of publication of Notice Inviting Bids (NIB). The complete Bid document can be downloaded for online submission from the web-site [https://www.eproc.rajasthan.gov.in](https://www.eproc.rajasthan.gov.in).

2.1.2 The Bidder may obtain further information/clarification, if any, in respect of these Bid documents from the office of Manager (Traction/ E&M), Room No- 107, First Floor, Admin Building, Mansarovar Metro Train Depot, Bhrigu path, Mansarovar, Jaipur-302020. Bidders who wish to participate in this Bidding process must register on [https://eproc.rajasthan.gov.in](https://eproc.rajasthan.gov.in). To participate in online Bids, as per Information Technology Act, 2000, Bidders will have to obtain Digital Signatures (class-2 / class-3 category) issued by a licensed Certifying Authority for e-Bidding portal. Bidders who already have a Valid Digital Signature Certificate need not obtain a new Digital Signature Certificate. This DSC will be used to sign the Bids submitted online by the Bidder. Unsigned Bids will not be entertained and will be rejected outright.

2.1.3 Cost of Bid Document (BID fee) is Rs. 1,180 (includes 18 %GST) which shall be paid in the form of Demand Draft / Bankers Cheque of Scheduled Bank drawn in favour of ‘Jaipur Metro Rail Corporation Ltd.’, payable at Jaipur. The BID fee is non-refundable.

2.1.4 In addition, E-BID processing fee of Rs. 1,180/- per Bid shall be paid in the form of banker’s cheque/DD of Scheduled Bank drawn in favour of ‘MD, RISL’, payable at Jaipur.

2.1.5 In addition Bid Security as per clause 2.2 below shall be paid.

2.1.6 Bids submissions will be made online after uploading the mandatory scanned documents towards cost of BID, Bid Security, e-Bid processing fee and other document as stated in the BID document.

2.1.7 Any Bid not accompanied by valid Earnest Money Deposit/ Bid Security, the cost towards Bid document and e-Bid processing fee, in acceptable form will be liable to be treated as being non-responsive.

2.1.8 Late Bids (received after date and time of submission of Bid) shall not be accepted under any circumstances.

2.1.9 JMRC reserves the right to accept or reject any or all proposals without assigning any reasons.

2.1.10 No Bid shall have any cause of action or claim against the JMRC for rejection of his proposal.

2.1.11 The JMRC reserves the right to verify all statements, information and documents submitted by the Bider in response to the Bid Document. Any such verification or lack of such verification by the JMRC shall not relieve the Bidder of its obligations or liabilities hereunder nor will it affect any rights of the JMRC thereunder.

2.1.12 Bids received after the last time and date for depositing Bid shall not be considered. Bids sent by FAX, post or e-mail will not be considered.

2.2 **Cost of bid document and Bid Security/EMD**

2.2.1 The cost of bid document which is Rs. 1,180/- (includes 18 %GST) shall be paid in the form of Demand Draft / Bankers Cheque of a scheduled Commercial bank drawn in favour of ‘Jaipur Metro Rail Corporation Ltd.’, payable at Jaipur and shall form part of the Bid.

2.2.2 Bid security shall be 2% of the estimated value of subject matter of procurement put to bid.

2.2.3 EMD can be deposited in the form of Demand Draft / Bankers Cheque of Rs. 20,655/- (Rupees Twenty Thousand Six Hundred Fifty Five Rupees only) drawn in favour of Jaipur.

Signature of Authorized Signatory along with seal
Metro Rail Corporation Ltd., payable at Jaipur, shall form part of the bid. Scanned copy of DD/DDC of EMD/Bid security, Bid fee and e-Bid processing fee needs to be submitted online along with the bid document.

2.2.4 The EMD/ Bid Security of successful Bidder may be adjusted on request against Performance Security Deposit or discharged/ returned after deposition of the Security Deposit, as the case may be.

2.2.5 The Bid Security / Earnest Money of unsuccessful bidders shall be returned after final acceptance of successful bid and signing of agreement submitting performance security or the earliest of the following events, namely:-
   a) The expiry of validity of Bid;
   b) The cancellation of the procurement process

2.2.6 The Bid Security taken from a bidder shall be forfeited, if any, in the following cases, namely:
   a) When the bidder withdraws or modifies its bid after opening of bids;
   b) When the Bidder fails to commence the supply of the goods or service or execute work as per supply/ work order within the time specified;
   c) When the Bidder does not deposit the performance security and failed to signed agreement within specified period after the supply/ work order is placed; and
   d) If the Bidder breaches any provision of code of integrity, prescribed for Bidders, specified in the bidding document.

2.2.7 Notice will be given to the Bidder with reasonable time before Bid Security (EMD) deposited is forfeited.

2.2.8 No interest shall be payable on the Bid Security (EMD).

2.2.9 In case of non submission of EMD, the bid will be summarily rejected.

2.2.10 The procuring entity shall promptly return the Bid Security of the successful Bidder after the earliest of the following events, namely:-
   a) The expiry of validity of Bid;
   b) Issue of LOA for procurement, signing of agreement and performance security is furnished by the successful Bidder;
   c) The cancellation of the procurement process; or
   d) The withdrawal of bid prior to the deadline for presenting bids, unless the bidding documents stipulate that no such withdrawal is permitted.

2.3 Changes in the Bidding Document

2.3.1 At any time, prior to the deadline for submission of Bids, the procuring entity may for any reason, whether on its own initiative or as a result of a request for clarification by a Bidder, modify the bidding documents by issuing an addendum in accordance with the provisions below.

2.3.2 In case, any modification is made to the bidding document or any clarification is issued which materially affects the terms contained in the bidding document, the procuring entity shall publish such modification or clarification.

2.3.3 In case, a clarification or modification is issued to the bidding document, the procuring entity may, prior to the last date for submission of Bids, extend such time limit in order to allow the
bidders sufficient time to take into account the clarification or modification, as the case may be, while submitting their Bids.

2.3.4 Such modification shall form integral part of The Bid document.

2.4 Period of Validity of Bids

2.4.1 Bids submitted by the Bidders shall remain valid during the period specified in the NIB/ bidding document. A Bid valid for a shorter period may be rejected by the procuring entity as non-responsive Bid.

2.4.2 Prior to the expiry of the period of validity of Bids, the procuring entity, in exceptional circumstances, may request the Bidders to extend the bid validity period for an additional specified period of time. A Bidder may refuse the request and such refusal shall be treated as withdrawal of Bid and in such circumstances Bid Security shall not be forfeited.

2.5 Eligibility Criteria

2.5.1 Bidder should have valid GST registration certificate issued by competent authority and shall enclose GST certificate along with bid submission.

2.5.2 Applicant should have valid PAN certificate/card issued by the Income Tax Dept. of GOI and enclose PAN certificate.

2.5.3 Work Experience: The bidder firm should have satisfactorily completed similar works during last five financial years and the period ending last day of month previous to the one in which the Bids are invited in current financial year and should be either of the following:

   iv. Three similar completed contracts each of contract value not less than 40% of estimated cost i.e. Rs. 4,13,094/-. OR
   v. Two similar completed contracts each of contract value not less than 50% of estimated cost i.e. Rs. 5,16,368/-. OR
   vi. One similar completed contracts each of contract value not less than 80% of estimated cost i.e. Rs. 8,26,189/-.

Note:

I. Bidder is required to submit the details as per Form-K along with supporting documents:
The Bidder shall attach copy of LOAs / POS/Work Orders along with their individual work completion certificates issued by the authorized signatory preferably on their letter head of the contract/work awarding agency, mentioning Period of the contract, work completion date, name of the work and Amount paid for the contract, BOQ. With Financial Year wise details of payments made against that particular work with his bid documents.

II. Definition of similar works:

1. The works completed here shall mean having physically completed that particular work.
2. The bidder firm should have work experience of successful completion of Contract related to Supply / Installation/ Testing and Commissioning/ maintenance/ repairing/ Comprehensive Annual Maintenance Contract / Annual Maintenance Contract of RO/ Water Purifier/ Water Supply Purification system / Water Or Waste Water Treatment work any Central Govt. Department / State Govt. Department / PSUs of Central or any state Govt./ Any Metro Rail in India/ Indian Railways or it's PSU's/
3. The Bidder shall submit the details of the same as per Form-K.

C. Firm shall not be blacklisted by Central Government, any State Government or any Government agency or Public sector undertaking (PSU). Firm shall submit an undertaking to this effect as per Form-N.

D. **Annual Turnover**: The average annual turnover of bidder during each of last three audited financial years (2016-17, 2017-18 and 2018-19) should not be less than forty percent (40%) of the estimated cost given in NIB i.e. Rs. 4,13,094/- . The Bidder is required to present the data as per Annexure-1 along with supporting documents for last three years as mentioned below:- Audited profit and loss A/c and audited balance sheet showing the required turnover, certified by a Chartered Accountant with stamp and signature.

OR

Turnover statements, certified by a Chartered Accountant.

### 2.6 Format and Signing of Bids

2.6.1 The Bidder shall prepare one original set of the bidding documents called Bid in the manner as specified in the bidding document.

2.6.2 All pages of the bid shall be signed by the Bidder or a person duly authorised to sign on behalf of the Bidder pursuant to Clause 6.5, Form E, in token of acceptance of all the terms and conditions of the bidding documents.

2.6.3 Any corrections in the bid such as interlineations, erasures, or overwriting shall be valid only if they are signed or initialled by the person signing the bid.

### 2.7 Submission of Bids

2.7.1 The Bidder shall, on or before the date and time given in the table under notice Inviting Bid of this BID submits his Bid online on e-tendering website https://eproc.rajasthan.gov.in. Bids sent by Post, FAX or e-mail or presented in person will not be considered.

2.7.2 Only ‘Cost of Bid Document’, ‘Bid Security’ and ‘e- Bid Processing Fee’ shall be submitted in originals in one separate sealed envelopes (in physical form) mentioned following along with his Name and address mentioned on above envelopes respectively:

2.7.2.1 Bid Reference No JMRC/O&S/EL/2019-20/NIB/025, Name of the Work- “Comprehensive Annual Maintenance Contract of THERMAX Make RO plant installed at Chandpole Metro Station of JMRC for Three Years”.

2.7.2.2 The above envelope to be submitted before date and time as per schedule mentioned in the table under Notice Inviting Bid of this BID at the address mentioned below:

To,
Executive Director (Traction and E&M)
4th Floor, Admin Building,
Metro Train Depot, Bhrigu path,
Mansarover, Jaipur – 302020.

2.7.3 Bid Security, e-Bid Processing Fee and cost of Bid document submitted after due date and time shall not be accepted and online Bids of such Bidders shall liable to be rejected.
summarily.

2.7.4 JMRC will not be responsible for Bid Security, e-Bid Processing Fee and Cost of Bid Document delivered to any other place/person in JMRC other than the designated officer and does not reach the designated officer before the deadline for submission.

2.7.5 Any Bid not accompanied by valid Bid Security, e-Bid Processing Fee and Cost of Bid Document in acceptable form will be liable to be treated as being non-responsive & shall be rejected.

2.7.6 JMRC will not be responsible for delay in online submission due to any reason. For this, Bidders are requested to upload the complete Bid well advance in time so as to avoid last minute issues like slow speed; choking of website due to heavy load or any other unforeseen problems.

2.7.7 Utmost care to be taken to name the files/documents to be uploaded on portal. There should not be any special character or space in the name of file, only underscores are permissible.

A two-stage two envelope selection procedure shall be adopted. The Bid shall contain:

a) Part-A: Technical Bid
This Part should contain the Technical Bid consisting of a pdf copy of this Bid Document with each page digitally signed by the Bidder in acceptance of the terms and conditions therein, along with scanned copy of all Annexures/Forms duly filled. DD/BC and the entire required documents in support of eligibility, EMD/Bid security, Bid fee and e-Bid processing fee and other documents as per clause 6.19 of this bid document.

Apart from being digitally signed, all the documents should be physically signed and stamped on each page by the authorized representative of the Bidder.

All the applicable Annexure/Forms shall be duly filled, physically signed & scanned (in pdf format) and digitally signed on each page and to be submitted online as part of technical Bid.

Financial proposal should not be indicated at any place in the Technical Bid, otherwise the Bid shall be summarily rejected.

b) Part-B: Financial Bid (BOQ)
This Part should contain the Financial Bid in the prescribed Format as per clause 6.17 (BOQ). Rate quoted should be all inclusive for carrying out all activities as detailed in the scope of work and will be deemed to include all incidental charges, remittance, supervision, transport, contractor's profit and establishment/overheads, all risks and other obligations set out or implied in the contract, complete as required excluding GST which is being considered in BOQ separately. The effective rate of GST shall be as applicable on the date of billing.

Utmost care should be taken to upload the Financial Bid. Any change in the format of Financial Bid file shall render it unfit for Bidding. Following Steps may be followed in submission of Financial Bid:

i. Download format of Financial Bid in XLS/XLSX format (Password protected file).
ii. This XLS/ XLSX file is password protected file. Don't unprotect the file. Price has to be filled in this file.

iii. Fill Bidder's Name and relevant prices, Unit Rate, GST% and other details as asked in downloaded Protected Financial Bid format (BOQ) as specified (in XLS/ XLSX format only or Modify accordingly). Don't fill in any other back ground cells.

iv. Validate the sheet and save filled copy of downloaded financial Bid file in your computer and remember its name & location and upload correct file (duly filled in).

2.7.8 The Bidder shall ensure that a receipt/acknowledgement is obtained for the submission of his online Bid, such receipt being issued free of charge.

2.7.9 The JMRC may, at his discretion, extend the deadline for submission of Bids by issuing an amendment, in which case all rights and obligations of the JMRC and the Bidder previously subject to the original deadline will thereafter be subject to the deadline as extended.

2.8 Cost & Language of Bidding

2.8.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the procuring entity shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

2.8.2 The Bid, as well as all correspondence and documents relating to the Bid exchanged by the bidders and the procuring entity, shall be written only in English/ Hindi Language. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in English/ Hindi language, in which case, for purposes of interpretation of the Bid, such translation shall govern.

2.9 Alternative/ Multiple Bids

2.9.1 Alternative/ Multiple Bids shall not be considered at all.

2.10 Deadline for the submission of Bids

2.10.1 Bids shall be submitted online till the time and date specified in the NIB.

2.11 Receipt and Custody of Bids

2.11.1 The bids shall be submitted online as per the schedule mentioned in the table under Notice Inviting Bid of this BID along with the physical deposition of Cost of Bid document, e-tender processing fee and EMD/Bid security in the originals in office of Manager (Traction/ E&M), Room No- 107, First Floor, Admin Building, Mansarovar Metro Train Depot, Bhrigu path, Mansarovarr, Jaipur-302020. In a manner as specified in this BID.
2.12 Withdrawal, Substitution, and Modification of Bids

2.12.1 Except where expressly permitted by these Instructions, the Bidder shall not make or cause to be made any alteration, erasure or obliteration to the text of the documents prepared by the JMRC and submitted by the Bidder with or as part of his Bid.

2.12.2 The Bid submitted online will be taken as a final Bid.

2.12.3 No Bid shall be allowed to be modified by the Bidder after the deadline for submission of Bids.

2.13 Opening of Bids

2.13.1 The Bids will be opened online on website at the time, date and place as specified in the Notice Inviting Bids of this Bid in the presence of Bidders or their authorized representatives who choose to attend the opening of Bid. The Bidders or their authorized representatives who are present to witness the Bid opening shall sign an attendance sheet / register evidencing their attendance as a witness to the Bids opening process. In the event of the specified date of Bid opening being declared a holiday, the Bids will be opened on the next working day at the same time and place or on any other day/time, as intimated by the JMRC.

2.13.2 Only Technical Bids will be opened first and Jaipur Metro Rail Corporation (JMRC) will evaluate technical Bids as per criteria set forth in this Bid document.

2.13.3 Bidders can also see the Technical Sheets (check-list) of other Bidders after completion of opening process by logging into the web-site.

2.13.4 Financial Bids will remain unopened until the time of opening of the Financial Bids.

2.13.5 The Financial Bids of only those Bidders who clear Technical evaluation stage will be opened & evaluated. The time and date of opening of Financial Bid shall be communicated to technically qualified Bidders through state e-procurement website. The technically qualified Bidders may attend the opening of the Financial Bid, if they so desire.

2.13.6 The Financial Bids of only those Bidders who clear the Technical evaluation stage will be evaluated. The Bidders or their authorized representatives who are present to witness the Financial Bid opening shall sign an attendance sheet / register evidencing their attendance as a witness to the Financial Bid opening process. In the event of the specified date of Financial Bid opening being declared a holiday, the Financial Bids will be opened on the next working day at the same time and place or on any other day/time, as intimated by the JMRC.

2.14 Selection Method

2.14.1 The selection method is Least Cost Based Selection (LCBS) as detailed below:

2.14.2 The bid will be opened on scheduled time and date as per NIB.

2.14.3 The ranking of L1, L2, L3 etc., will be done on basis of Total Cost, with L1 being the Bidder whose Total Cost is the lowest, L2 being the second lowest and so on.

Signature of Authorized Signatory along with seal
2.14.4 The contract shall be award to most advantageous responsive bidder quoting least value of Total Cost (TOTAL AMOUNT With Taxes) in financial bid BOQ (LI) subject to fulfilment of eligibility criteria as per clause 2.5 of bid document.

2.15 Clarification of Bids

2.15.1 To assist in the examination, evaluation, comparison and qualification of the Bids, the bid evaluation committee may, at its discretion, ask any Bidder for a clarification regarding its Bid. The committee's request for clarification and the response of the Bidder shall be in writing.

2.15.2 Any clarification submitted by a Bidder with regard to its Bid that is not in response to a request by the committee shall not be considered.

2.15.3 No substantive change to qualification information or to a submission, including changes aimed at making an unqualified Bidder, qualified or an unresponsive submission, responsive shall be sought, offered or permitted.

2.15.4 No change in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the committee in the evaluation of the financial Bids.

2.15.5 All communications generated under this rule shall be included in the record of the procurement proceedings.

2.16 Evaluation of Bids

2.16.1 Preliminary Examination of Bids

2.16.1.1 Envelopes containing Bid security, Cost of Bid documents and e-Bid Processing fee will be opened first. Bids of those Bidders who have not submitted valid Bid security, e-Bid Processing fee and cost of Bid documents shall be considered as non-responsive and liable to be rejected summarily.

2.16.1.2 On opening of the Bids, JMRC will first check the Bid Security, e-Bid Processing Fee and cost of Bid documents through online mode by cross verifying with the hardcopy submitted. If the documents do not meet the requirements of Bid, a note will be recorded accordingly by the Bid Opening Authority and if any deviation found then Bid will be summarily rejected.

2.16.1.3 Further the bid evaluation committee constituted by the procuring entity shall conduct a preliminary scrutiny of the opened bids to assess the prima-facie responsiveness and ensure that the:
   a. bid is submitted, sealed and signed, as per the requirements listed in the bidding document;
   b. bid is valid for the period, specified in the bidding document;
   c. bid is unconditional and the Bidder has agreed to give the required performance security and;
   d. other conditions, as specified in the bidding document are fulfilled.

2.16.2 Determination of Responsiveness

2.16.2.1 The bid evaluation committee shall determine the responsiveness of a Bid on the basis of bidding document and the provisions of pre-qualification/ eligibility criteria of the bidding document.
2.16.2.2 A responsive Bid is one that meets the requirements of the bidding document without any material deviation, reservation, or omission where:

a. "deviation" is a departure from the requirements specified in the bidding document;

b. "reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the bidding document; and

c. "Omission" is the failure to submit part or all of the information or documentation required in the bidding document.

2.16.2.3 A material deviation, reservation, or omission is one that,

a. if accepted, shall:
   1. affect in any substantial way the scope, quality, or performance of the subject matter of procurement specified in the bidding documents; or
   2. limits in any substantial way, inconsistent with the bidding documents, the procuring entity's rights or the Bidder's obligations under the proposed contract; or

b. If rectified, shall unfairly affect the competitive position of other Bidders presenting responsive Bids.

2.16.2.4 The bid evaluation committee shall examine the technical aspects of the Bid in particular, to confirm that all requirements of bidding document have been met without any material deviation, reservation or omission.

2.16.2.5 The procuring entity shall regard a Bid as responsive if it conforms to all requirements set out in the bidding document, or it contains minor deviations that do not materially alter or depart from the characteristics, terms, conditions and other requirements set out in the bidding document, or if it contains errors or oversights that can be corrected without touching on the substance of the Bid.

2.16.3 Non-material Non-conformities in Bids

2.16.3.1 The bid evaluation committee may waive any non-conformity in the Bid that does not constitute a material deviation, reservation or omission, the Bid shall be deemed to be substantially responsive.

2.16.3.2 The bid evaluation committee may request the Bidder to submit the necessary information or document like GST certificate, PAN certificate etc. within a reasonable period of time. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

2.16.3.3 The bid evaluation committee may rectify non-material nonconformities or omissions on the basis of the information or documentation received from the Bidder under above.

2.16.3.4 Bids shall be evaluated based on the documents submitted as a part of bid. Bidders are expected to quote for all the items. Similarly, in case the proposal of a Bidder is non-responsive for any item, the Bidder shall be summarily rejected.
2.16.3.5 The evaluation shall include all costs and all taxes and duties applicable to the Bidder as per law of the Central/State Government/Local Authorities, and the evaluation criteria specified in the bidding documents shall only be applied;

2.16.3.6 The offers shall be evaluated and marked L1, L2, L3 etc. L1 being the lowest offer quoting least value of Total Cost (TOTAL AMOUNT With Taxes) in financial bid (BOQ). A list of L1, L2,...will be prepared accordingly.

2.16.3.7 The contract will be award to only one bidder i.e. most advantageous responsive bidder of financial bid (L1).

2.17 Negotiations

2.17.1 Negotiations may, however, be undertaken with the lowest Bidder or most advantageous bidder, when the rates have been quoted by the bidders for the subject matter of procurement; or when the rates quoted vary considerably and considered much higher than the prevailing market rates.

2.17.2 The bid evaluation committee shall have full powers to undertake negotiations. Detailed reasons and results of negotiations shall be recorded in the proceedings.

2.17.3 The lowest Bidder shall be informed in writing, either through messenger or by registered letter and e-mail (if available).

2.17.4 A minimum time shall be given for calling negotiations. In case of urgency the bid evaluation committee, after recording reasons, may reduce the time, provided the lowest or most advantageous Bidder has received the intimation and consented to regarding holding of negotiations.

2.17.5 Negotiations shall not make the original offer made by the Bidder inoperative. The bid evaluation committee shall have option to consider the original offer in case the Bidder decides to increase rates originally quoted or imposes any new terms or conditions.

2.17.6 In case of non-satisfactory achievement of rates from lowest Bidder, the bid evaluation committee may choose to make a written counter offer to the lowest Bidder and if this is not accepted by him, the committee may decide to reject and re-invite Bids or to make the same counter-offer first to the second lowest or most advantageous Bidder, then to the third lowest or most advantageous Bidder and so on in the order of their initial standing and work/supply order be awarded to the Bidder who accepts the counter-offer. This procedure would be used in exceptional cases only.

2.17.7 In case the rates even after the negotiations are considered very high, fresh bids shall be invited.

2.18 Acceptance of the successful Bid and Issuance of LOA

2.18.1 Prior to the expiry of the period of validity of the bid, the successful bidder shall be notified through a Letter of Acceptance (LoA) sent through email to be confirmed in writing by Registered / Speed Post / By hand that its Bid has been accepted.

Signature of Authorized Signatory along with seal
2.18.2 Upon receipt of the 'LOA', the successful bidder(s) shall return one copy of the LOA duly signed and accepted and stamped by its authorized signatory submit the performance security as specified in the NIB.

2.18.3 Contract Agreement on a non-judicial stamp paper of appropriate value as per stamp act, as per format at Form-M (Draft Template) shall be executed between the successful bidder and JMRC after issue of LoA and shall be subsequent to the successful reception of the performance security deposit by JMRC. The original copy of the agreement shall be retained by JMRC and the copy shall remain with agency.

2.18.4 The selected bidder shall not be entitled to seek any deviation, modification or amendment in the Contract Agreement.

2.18.5 Till the signing of the Contract Agreement, the LoA shall form a binding contractual agreement between JMRC and the successful bidder as per terms of this BID.

2.18.6 The cost of stamp duty for execution of Contract agreement and any other related legal documentation charges / incidental charges shall be borne by the successful bidder only.

2.18.7 JMRC shall retain the right to withdraw the LoA in the event of the successful bidder's failure to accept the LoA within the limit specified in the above clause. In that event, JMRC shall forfeit the Bid Security of the successful bidder. The bidder shall not seek any claim, compensation, damages or any other consideration whatsoever on this account.

2.18.8 If the bidder fails to execute the agreement within the specified period without any intimation to JMRC, such failure will be treated as a breach of the terms and conditions of the tender and may result in forfeiture of the Earnest Money Deposit (Bid Security) in part, or in full at the discretion of JMRC.

2.19 Procuring entity's right to accept or reject any or all Bids

2.19.1 The Procuring entity reserves the right to accept or reject any Bid, and to annul (cancel) the bidding process and reject all Bids at any time prior to award of contract, without thereby incurring any liability to the Bidders as per RTPP Act and Rules.

2.20 Performance Security Deposit

2.20.1 Prior to execution of work order, Performance security shall be solicited from successful Bidder except the departments of the State Government and undertakings, corporations, autonomous bodies, registered societies, co-operative societies which are owned or controlled or managed by the State Government and undertakings of the Central Government. However, a performance security declaration shall be taken from them. The State Government may relax the provision of performance security in particular procurement or any class of procurement.

2.20.2 The amount of performance security shall be 5% of the amount of contract in case of goods and services.
2.20.3 Performance security shall be furnished in any one of the following forms:

I. Bank Draft or Banker's Cheque of a scheduled bank;

II. Bank guarantee/s of a scheduled bank. It shall be got verified from the issuing bank. Other conditions regarding bank guarantee shall be same as mentioned in the bidding document for Bid Security.

III. Fixed Deposit Receipt (FDR) of a scheduled bank. It shall be in the name of procuring entity on account of Bidder and discharged by the Bidder in advance. The procuring entity shall ensure before accepting the FDR that the Bidder furnishes an undertaking from the bank to make payment/premature payment of the FDR on demand to the procuring entity without requirement of consent of the Bidder concerned. In the event of forfeiture of the performance security, the Fixed Deposit shall be forfeited along with interest earned on such Fixed Deposit.

2.20.4 Performance security furnished in the form specified in clause 2.21.4, 2.21.5 above shall remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the Bidder, including warranty obligations and maintenance and defect liability period, if any.

2.20.5 Forfeiture of Performance Security: Security amount in full or part may be forfeited, including interest, if any, in the following cases:

a) When any terms and condition of the contract is breached.

b) When the Bidder fails to make complete supply satisfactorily.

c) If the Bidder breaches any provision of code of integrity, prescribed for Bidders, specified in the bidding document.

2.20.6 Notice will be given to the Bidder with reasonable time before Performance Security deposited is forfeited.

2.20.7 No Interest shall be payable on the Performance Security Deposit.

3 General Conditions of Contract

3.1 Terms & Conditions

3.1.1 Contract Documents:

Subject to the order of precedence set forth in the Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory.

Signature of Authorized Signatory along with seal
3.1.2 **Scope of Supply**

Subject to the provisions in the bidding document and contract, the execution of complete scope of work shall be executed as specified in the purchase order/LOA which will be issued by JMRC to the successful bidder.

3.1.3 **Delivery**

Subject to the conditions of the contract, the supply and services shall be executed within the time specified in the purchase order/LOA which will be issued by JMRC to the successful bidder.

3.1.4 **Inspection**

The Batteries supplied and Work executed shall be inspected by nominated JMRC staff. The documentary reports, work completion reports for the same is to be submitted to JMRC.

3.1.5 **Rejection**

Articles not approved during inspection or testing shall be rejected and will have to be replaced by the Contractor at his own cost within the time fixed by the Procuring entity.

The rejected articles shall be removed by the supplier/ Bidder/ Contractor within 15 days of intimation of rejection, after which Purchase Officer shall not be responsible for any loss, shortage or damage and shall have the right to dispose of such articles as he thinks fit, at the Contractor’s risk and on his account.

3.1.6 **Payments**

Advance Payment will not be made.

Payment of the work executed shall be made on quarterly basis per year after satisfactory work completion along with submission of service report and work completion report by nominated JMRC staff.

3.1.7 **Liquidated Damages (LD)**

- **a.** In case of extension in the delivery period with liquidated damages the recovery shall be made on the basis of following percentages of value of Stores with the Bidder has failed to supply/ install/ complete:-
  - delay up to one fourth period of the prescribed work completion period: 2.5% of contract value.
  - delay exceeding one fourth but not exceeding half of the prescribed work completion period: 5.0% of contract value.
  - delay exceeding half but not exceeding three fourth of the prescribed work completion period: 7.5% of contract value.
  - delay exceeding three fourth of the prescribed work completion period: 10% of contract value.

[Signature of Authorized Signatory along with seal]
b. Fraction of a day in reckoning period of delay in supplies shall be eliminated if it is less than half a day.

c. The maximum amount of liquidated damages shall be 10% of the contract value.

d. If the supplier requires an extension of time in completion of contractual supply on account of occurrence of any hindrance, he shall apply in writing to the authority, which has placed the supply order, for the same immediately on occurrence of the hindrance but not after the stipulated date of completion of supply.

e. Delivery period may be extended with or without liquidated damages if the delay in supply of goods and related services/work is on account of hindrances beyond the control of the Bidder.

3.1.8 Termination

Termination for Default

The Bid sanctioning authority of JMRC may, without prejudice to any other remedy for breach of contract, by a written notice of default of at least 30 days sent to the supplier/Contractor, terminate the contract in whole or in part:

1) If the supplier/Contractor fails to deliver any or all quantities of the service within the time period specified in the contract, or any extension thereof granted by JMRC; or

2) If the supplier/Contractor fails to perform any other obligation under the contract within the specified period of delivery of service or any extension granted thereof; or

3) If the supplier/Contractor, in the judgment of the Purchaser, is found to be engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the contract.

4) If the supplier/Contractor commits breach of any condition of the contract.

If JMRC terminates the contract in whole or in part, amount of Performance Security Deposit may be forfeited.

Before cancelling a contract and taking further action, advice of senior most finance person available in the office and of legal adviser or legal assistant posted in the office, if there is one, may be obtained.

Note: In addition to the conditions specified above, the approved GCC are applicable and available on the JMRC website. The successful bidder shall submit a declaration for acceptance of the terms and conditions mentioned the GCC [clause 6.6 Form F (j)].
4 SPECIAL TERMS AND CONDITIONS OF BID & CONTRACT

4.1 Bidders to Bid for all Items

4.1.1 Bidder must quote for all the items mentioned in the BOQ (Bill of Quantities). In case, a Bidder does not quote for any item, the bid shall be summarily rejected.

4.2 Payment Terms and Penalty

4.2.1 Advance Payment will not be made.

4.2.2 Payment of the work executed shall be made on quarterly basis per year after satisfactory work completion along with submission of service report and work completion report by nominated JMRC staff.

4.2.3 Penalty Terms:

4.2.3.1 The preventive maintenance of RO shall not be delayed beyond 03 days of Grace period otherwise; a penalty of Rs. 300 per day shall be levied against the contractor.

4.2.3.2 In case of any complaint/breakdown/fault in any equipment, the same will be communicated to firm through mail/phone/SMS. In this case Firm has to attend the fault within 24 hours of reporting on mail/phone/SMS etc. failing which will invite a penalty as follows:

a. Attending complaint between 24 hours to 2 days of intimation - Rs. 1,000/-

b. Attending complaint between 2 days to 5 days of intimation - Rs. 3,000/- per day after the end 2 days of intimation of complaint.

c. Attending complaint beyond 5 days - Rs. 5,000/- per day after the end of 5 days of intimation of complaint.

4.2.3.3 In case of any complaint/breakdown/fault in any equipment, the same will be communicated to firm through mail/phone/SMS and contractor shall carryout corrective maintenance/repair to put right the system within 48 hrs. If the system remains out of order for more than 48 hours of intimation to firm then a penalty of Rs. 1000/- per day will be deducted from contractor's bill.

4.2.3.4 The total penalty shall not exceed 10% of total amount of contract value.

4.2.4 Due payments will be made promptly, after submission of an invoice or request for payment by the supplier/Contractor, and the purchaser has accepted it.

4.2.5 The currency or currencies in which payments shall be made to the supplier/Contractor under this Contract shall be Indian Rupees (INR) only.

4.2.6 All remittance charges will be borne by the supplier/Contractor.

4.2.7 Payment of the work executed shall be made only when the work completed as specified in this bid, and the work is found to be satisfactory and accepted by the inspecting authority.

4.2.8 If bidder fails to submit performance security, execution of contract within specified time, no payment shall be made for the work, if any done after issuance of LOA/PO.
4.3 Warranty

4.3.1 If any spare is installed by firm (applicable to spares that are under scope of firm) then Minimum Warranty period of shall be 12 months from the date of installation.

4.4 Other Special Terms

4.4.1 In case the Bidder fails to supply the final deliverables within stated timelines, the LD as per clause 3.1.7 “liquidated damage” would be applicable. In case of any errors/ inaccuracies remain in supply and services even after the final approval of design from the purchaser then the (including all related expenditure on any such Bidders has to take corrective actions on Bidders part measures). In such cases, due to delay in delivery schedule, the LD as per clause “liquidated damage” would be applicable.

4.4.2 Bidders are advised to carry out extensive survey and site visit and analysis at their on cost, before submitting the bid as per JMRC extent procedures and permission.

4.4.3 Accidents - It shall be the entire responsibility of the contractor to adopt all the safety measures in deploying personnel who are adequately trained in safety. If any accident occurs due to negligence on the part of the contractor’s personnel, it shall be the full responsibility of the contractor.

4.4.4 Contractor shall be responsible for insurance and safety of the labor involved in executing the scope of work of this BID.

4.4.5 The contract shall make sure that no harm or damage is made to JMRC property and assets while executing the scope of work of this BID. The performance security/payment shall be forfeited or shall be refunded/ made only after making the adjustments for any such damage made by the contractor and his staff.

4.5 VARIATION

4.5.1 Right to vary quantity will be governed as per Rule 73 of RTPPR, 2013.

4.5.2 If the procuring entity does not procure any subject matter of procurement or procures less than the quantity specified in the bidding documents due to change in circumstances, the bidder shall not be entitled for any claim or compensation except otherwise provided in the bidding documents.

4.5.3 Repeat orders for extra items or additional quantities may be placed, if it is provided in the bidding documents, on the rates and conditions given in the contract if the original order was given after inviting open competitive bids. Delivery or completion period may also be proportionately increased. The limits of repeat order shall be as under-

(a) 50% of the quantity of the individual items and 50% of the value of original contract in case of works; and

(b) 50% of the value of goods or services of the original contract.]
5 SCOPE OF WORK:

5.1 INTRODUCTION

5.1.1 INTRODUCTION:
At Chandpole Metro Station of JMRC Phase 1A, THERMAX Make RO (reverse osmosis plant) is installed to meet requirement of treated water. The detailed specification of installed RO plant is attached in Annexure 2 of this bid document.

5.1.2 The Scope of work includes Preventive and Breakdown maintenance of RO system and submitting a report after every visit.

5.1.3 PREVENTIVE MAINTENANCE:
5.1.3.1 The scope of work includes checking the performance of RO System and submitting a report after every visit.

5.1.3.2 Scope of work includes: Unit Checkup and General Cleaning, Replacement of Cartridge Filter in Every Month, Chemical Flashing of Membrane in once in 3 months, if required, replacement of membrane, as per the complaint during the CAMC Period.

5.1.3.3 After following schedules of Preventive maintenance, there should normally be no failure/defect in the system.

5.1.3.4 In case Preventive Maintenance is delayed beyond grace period then penalty shall be imposed as per clause 4.2 of the bid document.

5.1.3.5 The various schedules of preventive maintenance is to be submitted by contractor along with offer or

Prior to issue of ‘LOA’ for approval atleast the checks/maintenance as mentioned below in table are to be performed during preventive maintenance. Checks/maintenance also depends on the condition of the system and can be varied accordingly.

5.1.3.6 The preventive maintenance of RO will be carried out as per pre-approved schedule and in no case it shall be delayed.

<table>
<thead>
<tr>
<th>RO Preventive Maintenance Schedule (M, Q, HY, Y and as required)</th>
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<td>![Table Image]</td>
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Signature of Authorized Signatory along with seal

Page 23 of 55
<p>| | |</p>
<table>
<thead>
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<tbody>
<tr>
<td>5. Check and analysis of the prepared chemical.</td>
<td>✓</td>
</tr>
<tr>
<td>6. Check all valves before starting the system if any faulty then replace it.</td>
<td>✓</td>
</tr>
<tr>
<td>7. Carry out Dual Media backwashing 10 minutes &amp; 5 minutes rinsing before starting the RO Plant.</td>
<td>✓</td>
</tr>
<tr>
<td>8. Carry out Dual member flushing in morning with only raw water pump ON for around 5 minutes and then with raw water as well as high pressure pump ON for around minute.</td>
<td>✓</td>
</tr>
<tr>
<td>10. Check the Automation of the RO. If any found faulty the rectify.</td>
<td>✓</td>
</tr>
<tr>
<td>11. Change both micron cartridge filters.</td>
<td>✓</td>
</tr>
<tr>
<td>12. Conduct RO membrane cleaning with chemicals. (Thrice time in a year)</td>
<td>✓</td>
</tr>
<tr>
<td>14. Ensure the Electrical switch gears functioning if any found faulty then replace it.</td>
<td>✓</td>
</tr>
<tr>
<td>15. Ensure that approximately 3000 to 5000 Lts. RO treated water is available for RO membrane cleaning. Clean the membrane 6-7</td>
<td>✓</td>
</tr>
<tr>
<td>16. Clean all sensor and Check the functioning of the same if any found faulty then replace it.</td>
<td>✓</td>
</tr>
<tr>
<td>17. Cleaning the DMF once in a year.</td>
<td>✓</td>
</tr>
<tr>
<td>18. Paint touch is done on RO.</td>
<td>✓</td>
</tr>
<tr>
<td>19. Change the all type of Gasket and seal if required.</td>
<td>✓</td>
</tr>
<tr>
<td>20. If RO is not treated the water then check and rectify.</td>
<td>✓</td>
</tr>
</tbody>
</table>
22. Attend the Unbalance treated and rejected water radio problem.
23. Attend the RO Pumps, DMF, Sensors and all the problem related to RO operation.

5.1.4 BREAKDOWN/CORRECTIVE MAINTENANCE:

5.1.4.1 In case of any complaint/ breakdown/fault in any equipment, the same will be communicated to firm through mail/phone/SMS. In this case Firm has to attend the fault and carry out corrective maintenance/repair within 24 hours of reporting on mail/phone/SMS etc. failing which will invite a penalty as per clause 4.2 of the bid document.

5.1.4.2 In case of any complaint/ breakdown/fault in any equipment, the same will be communicated to firm through mail/phone/SMS and contractor shall carry out corrective maintenance/repair to put right the system within 48 hrs. If the system remains out of order for more than 48 hours of intimation to firm then a penalty of Rs. 1000/- per day will be deducted from contractor’s bill.

5.1.5 The CAMC is for preventive as well as for break down maintenance and includes repair and replacement of the following parts free of charge during the CAMC Period:-
  a) Cartridge filters(Separate rate parts)
  b) Sensors (Included in CAMC rate )
  c) Dosing pumps(included in CAMC rate )
  d) Electronic cards(Included in CAMC rate )
  e) Membrane(Separate rate parts)
  f) O-rings and coupling pipes(Included in CAMC rate )
  g) Gaskets (included in CAMC rate )
  h) Chemicals for flashing and chemical flashing(Separate rate parts)
  I) Valves (Included in CAMC rate )

5.1.6 Free replacement of all type consumables such as All kinds of Filters, membranes are mandatory over annually during the contract period.

5.1.7 Repair of the all electrical and mechanical parts provided for the RO Plants including replacement of parts and rewinding as and when required.
6. Technical Bid Formats And Details:

6.1 Technical Specifications And Standards

6.1.1 All the specifications below are minimum specifications and higher specifications shall be used wherever necessary/required.

6.1.2 The detailed specification of installed RO plant is attached in Annexure 2 of this bid document.

6.2 Technical Specifications And Standards of CAMC for RO Plant:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Description of Item</th>
<th>Product Name/Approved Make</th>
<th>Minimum Warranty Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Spare used in RO CAMC</td>
<td>Thermax</td>
<td>12 months</td>
</tr>
<tr>
<td>2.</td>
<td>Membrane</td>
<td>DOVE (Filmtake)</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RO NITTO</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Flashing Chemical</td>
<td>AQUA-217</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>MX - 711: 60 KG</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MX - 712: 60 KG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Cartage Filter (5 micron)</td>
<td>Silvertake/ Gopani/Lenntech or Equivalent</td>
<td>---</td>
</tr>
<tr>
<td>5.</td>
<td>Switch gears</td>
<td>Schneider /L&amp;T</td>
<td>12 months</td>
</tr>
</tbody>
</table>
BID FORMS

7.1 Form A: Form of Bid

Note:

a. The Appendix forms part of the Bid
b. Bidders are required to fill up all the blank spaces in this Form of Bid and Appendix.

Name of Work: ____________________________

To
Executive Director (Traction and E&M),
Jaipur Metro Rail Corporation Limited,
Room no.-407, 4th Floor, Admin Building,
Mansarovar Metro Train Depot,
Bhrigu path, Mansarovar, Jaipur-302020

1. Having visited the site and examined the General Conditions of Contract as well as Special Conditions of Contract, Specifications, Instructions to Bidders, for the execution of above named works, we the undersigned, offer to execute and complete such works and remedy defects therein in conformity with the said Conditions of Contract, Specifications, and Addenda for the sum of Rs. ____________________________ (Amount in figures and words) for NIB NO: ____________________________ or such other sum as may be ascertained in accordance with the said conditions.

<table>
<thead>
<tr>
<th>1</th>
<th>Name of the Bidder</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Name and Designation of Authorized signatory</td>
</tr>
<tr>
<td>3</td>
<td>Registered Office Address of Bidder</td>
</tr>
<tr>
<td>4</td>
<td>Address, Phone numbers, Fax No. and e-mail of Authorized signatory</td>
</tr>
<tr>
<td>5</td>
<td>Checklist</td>
</tr>
</tbody>
</table>

2. We acknowledge that the Appendix forms an integral part of the Bid.

3. We undertake, if our Bid is accepted, to commence the works within the time period mentioned in LOA/the purchase order.

Signature of Authorized Signatory along with seal
4. If our Bid is accepted, we will furnish at our option a Bank Guarantee for Performance as security for the due performance of the Contract. The amount and form of such guarantee or bond will be in accordance with clause 2.21 of this bid document.

5. We have independently considered the amount as per the as per Bid liquidated damages and agree that they represent a fair estimate of the damages likely to be suffered by you in the event of the work not being completed in time.

6. We agree to abide by this Bid for a minimum period of 90 days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiry of that period or any extended period mutually agreed to.

7. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.

8. We declare that the submission of this Bid confirms that no agent, middleman or any intermediary has been, or will be engaged to provide any services, or any other item of work related to the award and performance of this Contract. We further confirm and declare that no agency commission or any payment, which may be construed as an agency commission has been, or will be, paid and that the Bid price does not include any such amount.

9. We acknowledge the right of the Employer, if he finds to the contrary, to declare our Bid to be non-compliant and if the Contract has been awarded to declare the Contract null and void.

10. We understand that you are not bound to accept the lowest or any Bid you may receive.

11. If our Bid is accepted we understand that we are to be held solely responsible for the due performance of the Contract.

Dated this........day of........2020

Signature ........................................

Name........................................... in the capacity of ...................................

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

Address ...........................................................................................

Witness – Signature ........................................

Name .............................................

Address ...........................................................................................

Occupation ...........................................................................................

Signature of Authorized Signatory along with seal
### 7.2 Form: B  Bidder’s Profile

<table>
<thead>
<tr>
<th></th>
<th>Name &amp; Address of The Bidder</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Location of Corporate Head Quarters</td>
</tr>
<tr>
<td>3</td>
<td>Details of Contact person (Name, designation, address etc.) Telephone Number, Fax Number, email</td>
</tr>
<tr>
<td>4</td>
<td>Is the firm a registered company? If yes, submit documentary proof. Year and Place of the establishment of the Company</td>
</tr>
<tr>
<td>5</td>
<td>Is the firm registered with sales tax department? If Yes, submit valid sales tax registration certificate.</td>
</tr>
<tr>
<td>6</td>
<td>Number of offices in Rajasthan and in India</td>
</tr>
<tr>
<td>7</td>
<td>Authorized Signatory</td>
</tr>
<tr>
<td>8</td>
<td>GSTIN Number with enclosed certificate</td>
</tr>
<tr>
<td>9</td>
<td>PAN Details with copy of PAN Card</td>
</tr>
<tr>
<td>10</td>
<td>Details of court litigations, including (but not limited to)– Have you filed any claim against any Company / Institutions /PSU/JMRC for such type of project? If so, give details like case no., court dispute involved and present status. Has any Company/ Institution / PSU/JMRC filed any claim/case against you, if so, furnish full details. Has any of your customer or clients filed any case against you in a court? If so, furnish details.</td>
</tr>
</tbody>
</table>

Signature of Authorized Signatory along with seal
7.3 Form: C Format of Bank Guarantee for Performance Security

This deed of Guarantee made this day of __________ between Bank of ______________ (hereinafter called the "Bank") of the one part, and Jaipur Metro Rail Corporation Limited (hereinafter called "the Employer") of the other part.

Whereas Jaipur Metro Rail Corporation Limited has awarded the contract "Comprehensive Annual Maintenance Contract of THERMAX Make RO plant installed at Chandpole Metro Station of JMRC for Three Years". Bid No. JMRC/O&S/EL/2019-20/NIB/025 dated........... (here in after called "the contract") to M/s ______________ (here in after called "the Contractor").

AND WHEREAS the Contractor is bound by the said Contract to submit to the Employer a Performance Security for a total amount of Rs. ______________ (Amount in figures and words).

Now we the Undersigned __________________________ (Name of the Bank) being fully authorized to sign and to incur obligations for and on behalf of and in the name of __________________________ (Full name of Bank), hereby declare that the said Bank will guarantee the Employer the full amount of Rs. ______________ (Amount in figures and Words) as stated above.

After the Contractor has signed the aforementioned Contract with the Employer, the Bank is engaged to pay the Employer, any amount up to and inclusive of the aforementioned full amount upon written order from the Employer to indemnify the Employer for any liability of damage resulting from any defects or shortcomings of the Contractor or the debts he may have incurred to any parties involved in the Works under the Contract mentioned above, whether these defects or shortcomings or debts are actual or estimated or expected. The Bank will deliver the money required by the Employer immediately on demand without delay without reference to the Contractor and without the necessity of a previous notice or of judicial or administrative procedures and without it being necessary to prove to the Bank the liability or damages resulting from any defects or shortcomings or debts of the Contractor. The Bank shall pay to the Employer any money so demanded notwithstanding any dispute/disputes raised by the Contractor in any suit or proceedings pending before any Court, Tribunal or Arbitrator/s relating thereto and the liability under this guarantee shall be absolute and unequivocal.

This Guarantee is valid for a period of _______ days from the date of signing. (The initial period for which this Guarantee will be valid must be for at least 60 days beyond the date of completion of all contractual obligations of the Bidder, including warranty obligations and maintenance and defect liability period.).

At any time during the period in which this Guarantee is still valid, if the Employer agrees to grant a time extension to the Contractor or if the Contractor fails to complete the Works within the time of completion as stated in the Contract, or fails to discharge himself of the liability or damages or debts as stated under above para, it is understood that the Bank will extend this Guarantee under the same conditions for the required time on demand by the Employer and at the cost of the Contractor.

Signature of Authorized Signatory along with seal
The Guarantee hereinbefore contained shall not be affected by any change in the Constitution of the Bank or of the Contractor.

The neglect or forbearance of the Employer in enforcement of payment of any moneys, the payment whereof is intended to be hereby secured or the giving of time by the Employer for the payment hereof shall in no way relieve the bank of their liability under this deed.

The expressions “the Employer”, “the Bank” and “the Contractor” hereinbefore used shall include their respective successors and assigns.

In witness whereof I/We of the bank have signed and sealed this guarantee on the ______ day of ______ (Month) 2020 being herewith duly authorized.

For and on behalf of the __________________________ Bank.

Signature of authorized Bank official

Name: ____________________________
Designation: ______________________
I.D. No.: __________________________
Stamp/Seal of the Bank: ______________

Signed, sealed and delivered for and on behalf of the Bank by the above named ______________.

In the presence of:
Witness 1.
Signature _________________________
Name ____________________________
Address __________________________

Witness 2.
Signature _________________________
Name ____________________________
Address __________________________

Signature of Authorized Signatory along with seal
7.4 Form D: Bidder’s Authorization Certificate {to be filled by the BIDDERS}

To,

Executive Director (Traction and E&M)
Jaipur Metro Rail Corporation
Room no. 407, 4th floor Admin Building,
Mansarovar Metro Depot, Bhargi path,
Mansarovar, Jaipur – 302020

I/ We {Name/ Designation} hereby declare/ certify that {Name/ Designation} is hereby authorized to sign relevant documents on behalf of the company/ firm in dealing with NIB reference No. ______ dated ______. He/ She is also authorized to attend meetings & submit technical & commercial information/ clarifications as may be required by you in the course of processing the Bid. For the purpose of validation, his/ her verified signatures are as under.

Thanking you,

Name of the Bidder: -
Verified Signature: 
Authorized Signatory: -
Seal of the Organization: -
Date: 
Place: 

Signature of Authorized Signatory along with seal
7.5 Form E: FORMAT OF POWER OF ATTORNEY

Know all men by these presents, we, ...................................................... (Name of the Bidder firm), having our registered office at.......................................................... do hereby irrevocably constitute, nominate, appoint and authorize Mr./Ms. ...................................................... and son/daughter of Shri. ...................................................... presently residing at ......................................................, who is presently employed with us and holding the position of ......................................................, as our true and lawful attorney (hereinafter referred to as the "Attorney") to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our Bid for "Comprehensive Annual Maintenance Contract of THERMAX Make RO plant installed at Chandpole Metro Station of JMRC for Three Years" (JMRC/O&S/EL/2019-20/NIB/025) including but not limited to signing and submission of all applications, Bids and other documents and writings, participate in Bidders and other conferences and providing information/responses to the Authority, representing us in all matters before the Authority, signing and execution of all contracts including the Contract Agreement and undertakings consequent to acceptance of our Bid, and generally dealing with the Authority in all matters in connection with or relating to or arising out of our Bid for the said Project and/or upon award thereof to us and/or till the entering into of the Contract Agreement with the Authority.

AND we hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

IN WITNESS WHEREOF WE, ......................................................, THE ABOVE NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS ...................................................... DAY OF ...... 2020.

For ......................................................

(Signature, Name, Designation and Address)

Accepted

(Signature, Name, Designation and Address of Attorney)

Witnesses:

Signature of Authorized Signatory along with seal
1. XXX

Note:

1. The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, lay down by the applicable law and the charter documents of the executants(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.

2. This should be executed on non-judicial stamped paper, stamped in accordance with the stamp act.
7.6 Form F: Self-Declaration {to be filled by the Bidder}

To,

Executive Director (Traction and E&M)
Jaipur Metro Rail Corporation
Room no. 407, 4th floor Admin Building,
Mansarovar Metro Depot, Bhrigu path,
Mansarovar, Jaipur – 302020.

In response to the NIB Ref. No. _______ dated _______ for (Project Title), as an
Owner/ Partner/ Director/ Auth. Sign. of _________, 1/ I hereby
declare that presently our Company/ firm _________, at the time of bidding; -

a) possess the necessary professional, technical, financial and managerial resources and
competence required by the Bidding Document issued by the Procuring Entity;

b) have fulfilled my/ our obligation to pay such of the taxes payable to the Union and the State
Government or any local authority as specified in the Bidding Document;

c) is having unblemished record and is not declared ineligible for corrupt & fraudulent practices
either indefinitely or for a particular period of time by any State/ Central government/ PSU/ UT.

d) does not have any previous transgressions with any entity in India or any other country during
the last three years

e) does not have any debarment by any other procuring entity

f) is not insolvent in receivership, bankrupt or being wound up, not have its affairs administered by
a court or a judicial officer, not have its business activities suspended and is not the subject of
legal proceedings for any of the foregoing reasons;

g) does not have, and our directors and officers not have been convicted of any criminal offence
related to their professional conduct or the making of false statements or misrepresentations as
to their qualifications to enter into a procurement contract within a period of three years
preceding the commencement of the procurement process, or not have been otherwise
disqualified pursuant to debarment proceedings;

h) does not have a conflict of interest as mentioned in the bidding document which materially
affects the fair competition.

i) will comply with the code of integrity as specified in the bidding document.

j) Agree to all terms and conditions of the General Conditions of Contract (GCC).

If this declaration is found to be incorrect then without prejudice to any other action that may be
taken as per the provisions of the applicable Act and Rules thereto prescribed by GoR, my/ our
security may be forfeited in full and our bid, to the extent accepted, may be cancelled.

Thanking you,

Name of the Bidder: -

Authorized Signatory: - Seal of the Organization: -

Date: ___________ Place: ___________

Signature of Authorized Signatory along with seal
7.7 Form G: Certificate Of Conformity/No Deviation (to be filled by the Bidder)

To,

Executive Director (Traction and E&M)
Jaipur Metro Rail Corporation
Room no. 407, 4th floor Admin Building,
Mansarovar Metro Depot, Bhrigu path,
Mansarovar, Jaipur – 302020.

CERTIFICATE

This is to certify that, the specifications of Services / Items which I/ We have mentioned in the Technical bid, and which I/ We shall supply if I/ We am/ are awarded with the work, are in conformity with the minimum specifications of the bidding document and that there are no deviations of any kind from the requirement specifications.

Also, I/ we have thoroughly read the bidding document and by signing this certificate, we hereby submit our token of unconditional acceptance to all the terms & conditions of the bidding document without any deviations.

I/ We also certify that the price I/ we have quoted is inclusive of all the cost factors involved in the end-to-end implementation and execution of the project, to meet the desired Standards set out in the bidding Document.

Thanking you,

Name of the Bidder: -

Authorized Signatory: -

Seal of the Organization: -

Date: ________________

Place: ________________

Signature of Authorized Signatory along with seal
7.8 Form-H, Annexure C Compliance with the Code of Integrity and No Conflict of Interest

ANNEXURE A TO ANNEXURE C AS PER INSTRUCTIONS OF CIRCULAR NO. 3/2013 DATED 04-02-2013
FINANCE (G&T) DEPARTMENT, GOVT. OF RAJASTHAN

Any person participating in a procurement process shall:

(a) Not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process;
(b) Not misrepresent or omit that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
(c) Not indulge in any collusion, Bid rigging or anti-competitive behavior to impair the transparency, fairness and progress of the procurement process;
(d) Not misuse any information shared between the procuring Entity and the Bidders with an intent to gain unfair advantage in the procurement process;
(e) Not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
(f) Not obstruct any investigation or audit of a procurement process;
(g) Disclose conflict of Interest, if any; and
(h) Disclose any previous transgressions with any Entity in India or any other country during the last three years or any debarment by any other procuring entity.

Conflict of Interest:

The Bidder participating in a bidding process must not have a Conflict of Interest. A Conflict of Interest is considered to be a situation in which a party has interests that could improperly influence that party’s performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations.

i. A Bidder may be considered to be in Conflict of Interest with one or more parties in abiding process if, including but not limited to:
   a. have controlling partners/ shareholders in common; or
   b. receive or have received any direct or indirect subsidy from any of them; or
   c. have the same legal representative for purposes of the Bid; or
   d. have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Procuring Entity regarding the bidding process; or
   e. The Bidder participates in more than one Bid in a bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which the Bidder is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one Bid; or
   f. the Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the Goods, Works or Services that are the subject of the Bid; or
   g. Bidder or any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity as engineer-in-charge/consultant for the contract.

Signature of Authorized Signatory along with seal

Page 37 of 55
7.9 Form:-H, Annexure:-B Declaration by the Bidder regarding Qualifications

Declaration by the Bidder in relation to my/our Bid submitted to ..........................................................
For procurement of ........................................................................................................in response to their Notice Inviting
Bids No............................................................................................................................dated..................................

I/we hereby declare under Section 7 of Rajasthan Transparency in Public Procurement Act, 2012, that:

1. I/we possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity;
2. I/we have fulfilled my/our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the Bidding Document;
3. I/we are not insolvent, in receivership, bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my/our business activities suspended and not the subject of legal proceedings for any of the foregoing reasons;
4. I/we do not have, and our directors and officers not have, been convicted of any criminal offence related to my/our professional conduct or the making of false statements or misrepresentations as to my/our qualifications to enter into a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings.
5. I/we do not have a conflict of interest as specified in the Act, Rules and the Bidding Document, which materially affects fair competition;

Date: ............................................................
Place: ............................................................

Signature of bidder

Name

Designation:

Address:

Signature of Authorized Signatory along with seal
7.10 Form:-H, Annexure:-C Grievance Redressal during Procurement Process

The designation and address of the First Appellate Authority is Director (O&S), JMRC, JAIPUR.

The designation and address of the Second Appellate Authority is Managing Director, JMRC, JAIPUR.

1. Filing an appeal

If any Bidder or prospective bidder is aggrieved that any decision, action or omission of the Procuring Entity is in contravention to the provisions of the Act or the Rules or the Guidelines issued there under, he may file an appeal to First Appellate Authority, as specified in the Bidding Document within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved:

Provided that after the declaration of a Bidder as successful the appeal may be filed only by a Bidder who has participated in procurement proceedings:

Provided further that in case a Procuring Entity evaluates the Technical Bids before the opening of the Financial bids, an appeal related to the matter of Financial Bids may be filed only by a Bidder whose Technical Bid is found to be acceptable.

2. The officer to whom an appeal is filed under Para(1) shall deal with the appeal as expeditiously as possible and shall endeavour to dispose it of within thirty days from the date of the appeal.

3. If the officer designated under para (1) fails to dispose of the appeal filed within the period specified in para (2), or if the Bidder or prospective bidder or the Procuring Entity is aggrieved by the order passed by the First Appellate Authority, the Bidder or prospective bidder or the Procuring Entity, as the case may be, may file a second appeal to Second Appellate Authority specified in the Bidding Document in this behalf within fifteen days from the expiry of the period specified in para (2) or of the date of receipt of the order passed by the First Appellate Authority, as the case may be.

4. Appeal not to be in certain cases

No appeal shall lie against any decision of the Procuring Entity relating to the following matters, namely:-

(a) determination of need of procurement;
(b) provisions limiting participation of Bidders in the Bid process;
(c) the decision of whether or not to enter into negotiations;
(d) cancellation of a procurement process;
(e) Applicability of the provisions of confidentiality.

5. Form of Appeal

Signature of Authorized Signatory along with seal
6. Fee for filing appeal
   
   (a) Fee for first appeal shall be rupees two thousand five hundred and for second appeal shall be rupees ten thousand, which shall be non-refundable.

   (b) The fee shall be paid in the form of bank demand draft or banker’s cheque of a Scheduled Bank in India payable in the name of Appellate Authority concerned.

7. Procedure for disposal of appeal
   
   (a) The First Appellate Authority or Second Appellate Authority, as the case may be, upon filing of appeal, shall issue notice accompanied by copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.

   (b) On the date fixed for hearing, the First Appellate Authority or Second Appellate Authority, as the case may be, shall:
      i. Hear all the parties to appeal present before him; and
      ii. Peruse or inspect documents, relevant records or copies thereof relating to the matter.

   (c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.

   (d) The order passed under sub-clause (c) above shall also be placed on the State Public Procurement Portal.
7.11 Form: I [See rule S3]

Memorandum of Appeal under the Rajasthan Transparency in Public Procurement Act, 2012

Appeal No. ........................................

Before the ........................................ (First / Second Appellate Authority)

1. Particulars of appellant:
   i. Name of the appellant
   ii. Official address, if any
   iii. Residential address

2. Name and address of the respondent(s):
   i.
   ii.
   iii.

3. Number and date of the order appealed against and name and designation of the officer / authority who passed the order (enclose copy), or a statement of a decision, action or omission of the Procuring Entity in contravention to the provisions of the Act by which the appellant is aggrieved:

4. If the Appellant proposes to be represented by a representative, the name and postal address of the representative:

5. Number of affidavits and documents enclosed with the appeal:

6. Grounds of appeal: ........................................................................................................

........................................................................................................ (Supported by an affidavit).

7. Prayer: ..................................................................................................................

..................................................................................................................

Place..................................................

Date

Appellant's Signature

Signature of Authorized Signatory along with seal
### Form: K, WORK EXPERIENCE

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Period (From-To)</th>
<th>Detail of work handled</th>
<th>Total cost of work in Rs.</th>
<th>Reference No. of work order/LOA</th>
<th>Reference No. of completion certificate</th>
<th>Placed on Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
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<td>(7)</td>
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</tr>
</tbody>
</table>

**Note:**

1. Bidder must submit the copy of work order/ Letter of acceptance (LOA) and the latest completion certificate issued by the client for all the work mentioned in the Performa.
2. Self-attested copies of work order/Purchase Order/Letter of Acceptance(LOA), BOQ along with completion certificate (indicating the name of work, final amount, quantity of work, completion date etc.) issued by the client preferably on their letter head for completed work should be submitted by the bidder along with the submission of bid.
3. Additional pages may be attached if required.
4. All the pages must be signed by the authorized signatory by the bidder.

Signature of Authorized Signatory along with seal
7.13 Form: L (BANK DETAILS)

**Beneficiary Name:**

**Beneficiary Address:**

<table>
<thead>
<tr>
<th>Line 1</th>
</tr>
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<tbody>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Line 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>District/ City</th>
<th>State UT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pin Code</th>
<th>Tele/Fax</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
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<th>Mobile Alert</th>
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<tbody>
<tr>
<td>1</td>
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<tr>
<td>2</td>
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**Bank Details:**

<table>
<thead>
<tr>
<th>Bank Name</th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>Branch Address</th>
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</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Beneficiary A/C No:</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

<table>
<thead>
<tr>
<th>Beneficiary A/C Type:</th>
</tr>
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<tbody>
<tr>
<td>Saving/ Current</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Beneficiary A/C Name:</th>
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</thead>
<tbody>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>9 Digit Branch MICR Code:</th>
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</thead>
<tbody>
<tr>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>IFSC Code of Branch:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Stamp & Signature of Bidder**

Note: Bank details should be attached with bid document by bidder on their letterhead, duly signed and stamped or should be supported with one copy of cancelled cheque.
FORM OF AGREEMENT

This Agreement is made on the ______ day of ______ 2020 Between Jaipur Metro Rail Corporation Limited, Admin. Building, Mansarovar Metro Train Depot, Bhrigu Path, Mansarovar, Jaipur, Rajasthan- 302020 hereinafter called “the Employer” of the one part and ___________________________ (Name and Address of Contractor) hereinafter called “the Contractor” of the other part.

Whereas the Employer is desirous that certain Works should be executed, viz “Comprehensive Annual Maintenance Contract of THERMAX Make RO plant installed at Chandpole Metro Station of JMRC for Three Years” Of Jaipur Metro Rail corporation Limited hereinafter called “the Works” and has accepted a Bid by the Contractor for the execution and completion of such works (as well as guarantee of such works) and the remedying of defects therein.

Now THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:

   (a) Letter of acceptance
   (b) General Conditions of Contract
   (c) Special Conditions of Contract
   (d) Notice Inviting Bid
   (e) Specifications
   (f) Bill of Quantities
   (g) Form of Bid with Appendix
   (h) Addendums, if any
   (i) Other conditions agreed to and documented as listed below:
      (i) Statement of deviations (if applicable)
      (ii) Any other item as applicable

1. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the works by **_______ and remedy any defects therein in conformity in all respects with the provisions of the Contract.

2. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the works and the remedying of defects therein, the Contract Price of **Rs_______ being the sum stated in the letter of acceptance subject to such additions thereto or deductions there from as may be made under the provisions of the Contract at the times and in the manner prescribed by the Contract.

3. OBLIGATION OF THE CONTRACTOR

Signature of Authorized Signatory along with seal
The contractor shall ensure full compliance with tax laws of India with regard to this contract and shall be solely responsible for the same. The contractor shall submit copies of acknowledgements evidencing filing of returns every year and shall keep the Employer fully indemnified against liability of tax, interest, penalty etc. of the contractor in respect thereof, which may arise.

4. JURISDICTION OF COURT

The Courts at JAIPUR shall have the exclusive jurisdiction to try all disputes arising out of this agreement between the parties.

IN WITNESS WHEREOF the parties hereto have caused their respective Common Seals to be hereunto affixed / (or have hereunto set their respective hands and seals) the day and year first above written.

For and on behalf of the Contractor

Signature of the authorized official

Name of the official

Stamp/Seal of the Contractor

SIGNED, SEALED AND DELIVERED

By the said ________________

Name ________________

on behalf of the Contractor in the presence of Witness ________________

Name ________________

Address ________________

By the said ________________

Name ________________

on behalf of the Employer in the presence of Witness ________________

Name ________________

Address ________________

Note:
* To be made out by the Employer at the time of finalization of the Form of Agreement.
** Blanks to be filled by the Employer at the time of finalization of the Form of Agreement.
7.15 Form:- N, Black list certificate

We hereby certify that our organization has neither been black listed nor our contracts have been terminated /foreclosed by any company/ Government Department / Public Sector organization during last 3 financial years ending 31.03.2019 and during current financial year till date of bid submission, due to non-fulfillment of contractual obligations or any other reason.

Date: 
Place: 

Signature of bidder
Name
Designation:
Address:

Note: Additional pages, duly signed may be attached wherever necessary.

Signature of Authorized Signatory along with seal
## Item Rate BoQ

**Name of Work:** “Comprehensive Annual Maintenance Contract of THERMAX Make RO plant installed at Chandpole Metro Station of JMRC for Three Years”

**Contract No:** JMRC/O&S/EL/2019-20/NIB/025

**Name of the Bidder/ Bidding Firm / Company**

**PRICE SCHEDULE**

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only.)

<table>
<thead>
<tr>
<th>NUMB ER #</th>
<th>TEXT #</th>
<th>NUMBER #</th>
<th>TEXT #</th>
<th>NUMBER #</th>
<th>NUMB ER</th>
<th>NUMBER #</th>
<th>NUMBER #</th>
<th>TEXT #</th>
</tr>
</thead>
<tbody>
<tr>
<td>SL. No.</td>
<td>Item Description</td>
<td>Quantity</td>
<td>Units</td>
<td>Number</td>
<td>BASIC RATE in Figures To be entered by the Bidder Rs.</td>
<td>GST %</td>
<td>GST Amount</td>
<td>TOTAL AMOUNT Without Taxes in Rs.</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>4</td>
<td>5</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>53</td>
<td>54</td>
</tr>
</tbody>
</table>

1. Comprehensive Annual Maintenance Contract of Thermax Make RO Plant for First Year

1 Nos. 0.00 0.00 0.00 INR Zero Only

2. Comprehensive Annual Maintenance Contract of Thermax Make RO Plant for Second Year

1 Nos. 0.00 0.00 0.00 INR Zero Only

3. Comprehensive Annual Maintenance Contract of Thermax Make RO Plant for Third Year

1 Nos. 0.00 0.00 0.00 INR Zero Only

---

Signature of Authorized Signatory along with seal
<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Rate (INR)</th>
<th>Total (INR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Replacement of Cartridge filter in every monthly Maintenance (16 nos. per year)</td>
<td>48</td>
<td>Nos.</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>5</td>
<td>Chemical Flashing Mx-711 9 (3 times a year)</td>
<td>180</td>
<td>Kg.</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>6</td>
<td>Chemical Flashing Mx-712 9 (3 times a year)</td>
<td>180</td>
<td>Kg.</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>7</td>
<td>Membrane (Spare Part if required)</td>
<td>12</td>
<td>Nos.</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td><strong>Total in Figures</strong></td>
<td></td>
<td></td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

**Quoted Rate in Words**

INR Zero Only

The above image is for reverence purposes. Original BOQ may be downloaded from [http://eproc.rajasthan.gov.in](http://eproc.rajasthan.gov.in).

**NOTE:**

1. The Bidders shall quote the rates for Chandpole Metro Station including the cost of material, man power, tools and plants etc., including all Statutory Charges, Taxes, duties, profit margin etc. Amount quoted above is inclusive of all technical support charges, levies, charges except GST which are to be quoted separately in rupees in the relevant column of the financial bid. The quoted amount also includes any other legal liabilities which may be in force at present or may arise in future etc. Nothing will be paid extra by JMRC in addition to the above quoted bid amount.

2. Bidder is advised to visit the actual site of JMRC and nature of work before quoting the rates.

3. If any spare is installed by firm (applicable to spares that are under scope of firm) then Minimum Warranty period of shall be 12 months from the date of installation.

4. For detailed Scope of work shall be referred from Section 5 Scope of Work of the bid document.

5. The contract shall be award to most advantageous responsive bidder quoting least value of Total Cost (TOTAL AMOUNT With Taxes) in financial bid (I.I) BOQ subject to fulfilment of eligibility criteria as per clause 2.5 of bid document.

Signature of Authorized Signatory along with seal
### Annexure-1 CAPACITY OF THE APPLICANT

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Financial Year</th>
<th>Turnover (Rs. In Lacs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2016-17</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2017-18</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>2018-19</td>
<td></td>
</tr>
</tbody>
</table>

**AVERAGE TURNOVER FOR ABOVE THREE FINANCIAL YEARS**

Turnover is to be certified by Chartered Accountant.

Note: Attach documents as per clause 2.5.7 of BID.

Date

Signature

Place

Name

Designation

Seal of Authorized Signatory (bidder)

Signature of Authorized Signatory along with seal
### 7.18 CHECK LIST

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Proposal will contain the following documents :</th>
<th>Whether enclosed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>All pages of this BID along with all Annexures/Forms duly signed by the Authorized Signatory of the Bidder firm separately (as asked in BID)</td>
<td>Yes/No</td>
</tr>
<tr>
<td>2.</td>
<td>Form A : Form of Bid</td>
<td>Yes/No</td>
</tr>
<tr>
<td>3.</td>
<td>Form B: Bidder's Profile duly filled and signed</td>
<td>Yes/No</td>
</tr>
<tr>
<td>4.</td>
<td>Form D : Bidder's Authorization Certificate</td>
<td>Yes/No</td>
</tr>
<tr>
<td>5.</td>
<td>Form E : Power of Attorney</td>
<td>Yes/No</td>
</tr>
<tr>
<td>6.</td>
<td>Form F: Self-Declaration</td>
<td>Yes/No</td>
</tr>
<tr>
<td>7.</td>
<td>Form G: Certificate Of Conformity/No Deviation</td>
<td>Yes/No</td>
</tr>
<tr>
<td>8.</td>
<td>Form-H, Annexure A Compliance with the Code of Integrity and No Conflict of Interest</td>
<td>Yes/No</td>
</tr>
<tr>
<td>9.</td>
<td>Form-H, Annexure-B Declaration by the Bidder regarding Qualifications</td>
<td>Yes/No</td>
</tr>
<tr>
<td>10.</td>
<td>Form-H, Annexure-C Grievance Redressal during Procurement Process</td>
<td>Yes/No</td>
</tr>
<tr>
<td>11.</td>
<td>Form: I [See rule 53]</td>
<td>Yes/No</td>
</tr>
<tr>
<td>12.</td>
<td>Form-K, Work Experience</td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>Form-L, Bank Details</td>
<td>Yes/No</td>
</tr>
<tr>
<td>14.</td>
<td>Form: N, Undertaking of not being blacklisted by Central Government, any State Government or any Government agency or Public sector undertaking (PSU).</td>
<td>Yes/No</td>
</tr>
<tr>
<td>15.</td>
<td>Annexure-I Capacity of Applicant</td>
<td>Yes/No</td>
</tr>
<tr>
<td>16.</td>
<td>Cost of Bid document (DD/Banker Cheque)</td>
<td>Yes/No</td>
</tr>
<tr>
<td>17.</td>
<td>Bid Security (DD/Banker Cheque)</td>
<td>Yes/No</td>
</tr>
<tr>
<td>18.</td>
<td>e-Bid Processing fee (DD/Banker Cheque)</td>
<td>Yes/No</td>
</tr>
<tr>
<td>19.</td>
<td>Financial Bid Form duly filled in and signed</td>
<td>Yes/No</td>
</tr>
</tbody>
</table>
7.19 Annexure 2: Detailed specification RO plant installed at CDPE Metro Station

**THERMAX LTD | WATER & WASTE SOLUTIONS**

**Process Description (RO)**

On the basis of available 'Raw Water Analysis' and the product water (treated water quality) quality required, following process configuration is devised.

In the offered 'RO Plant', the configuration & the process is described below:

**RO BLOCK CONFIGURATION - 1:1 array (10 ELEMENTS)**

- Chlorination ➔ Media Filtration ➔ De-chlorination ➔ Scale Inhibition
- pH Correction ➔ Permeate Storage ➔ RO Block ➔ Micro Filtration

Raw water is stored in the 'Raw Water Tank (RWT)'. Raw water is chlorinated using 'Sodium Hypochlorite' to reduce organic matters & iron. Raw water passes through 'Dual Media Filter' (DMF) to reduce suspended matters (turbidity) & to achieve maximum clarity. Filtered water is further de-chlorinated using 'SMBS' dosing.

Finally, feed is treated with suitable Antiscalant (scale inhibitor). Scale inhibitors typically postpone scale formation within RO membranes after concentration / saturation.

After addition of the different chemicals, feed passes through cartridge filter (micron filter, CF-1) to remove fine suspended matters. At the outlet of 'cartridge filter' SDI is measured. ORP protection is set to detect excess chlorine in the feed. If the parameters are within the stipulated limits (Pressure, ORP & SDI Values), then feed passes through RO block membranes at high pressure. Product water with less TDS is achieved at permeate end, while highly saline water rejected to drain.

Please refer the above basic flow diagram (in P & I Drawings), that is self-explanatory showing 'Feed to RO BLOCK, PERMEATE & REJECT.'
RO permeate water is stored in the 'Permeate Water Storage Tank' (PST). Permeate pH is corrected using suitable alkali.

**Plant Details (RO PLANT)**

<table>
<thead>
<tr>
<th>Unit Mark Nos.</th>
<th>Treatment Flows</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMF</td>
<td>14.0 m³/hr</td>
</tr>
<tr>
<td>RO Feed</td>
<td>14.0 m³/hr</td>
</tr>
<tr>
<td>Permeate</td>
<td>10.0 m³/hr</td>
</tr>
<tr>
<td>Reject</td>
<td>4.0 m³/hr</td>
</tr>
</tbody>
</table>
# UNIT DETAILS

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>DESCRIPTION</th>
<th>MARK</th>
<th>SIZE/ CAPACITY</th>
<th>QTY</th>
<th>Model / MOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CHLORINE DOSING PUMP</td>
<td>GDP</td>
<td>0.4 LPH @ 3.5 kg/cm²</td>
<td>1</td>
<td>THERMAX APPO</td>
</tr>
<tr>
<td>2</td>
<td>CHLORINE DOSING TANK</td>
<td>DOT</td>
<td>CAP: 100 LTRS</td>
<td>1</td>
<td>HDPE</td>
</tr>
<tr>
<td>3</td>
<td>RAW WATER PUMP</td>
<td>PRW1&amp;2</td>
<td>14.0 M3/HR @ 3.5 KG/CM²</td>
<td>2</td>
<td>SS-THERMAX LAXMI</td>
</tr>
<tr>
<td>4</td>
<td>DUAL MEDIA FILTER</td>
<td>DMF</td>
<td>1200 DIA X 1500 HGS</td>
<td>1</td>
<td>MSLI</td>
</tr>
<tr>
<td>5</td>
<td>SMBs DOSING PUMP</td>
<td>FMSB</td>
<td>0.4 LPH @ 2.5 KG/CM²</td>
<td>1</td>
<td>THERMAX APPO</td>
</tr>
<tr>
<td>6</td>
<td>SMBs DOSING TANK</td>
<td>TMSB</td>
<td>CAP.: 100 LTRS</td>
<td>1</td>
<td>HDPE</td>
</tr>
<tr>
<td>7</td>
<td>ANTI-SCALENT DOSING PUMP</td>
<td>PAS</td>
<td>0.4 LPH @ 3.5 KG/CM²</td>
<td>1</td>
<td>THERMAX APPO</td>
</tr>
<tr>
<td>8</td>
<td>ANTI-SCALENT DOSING TANK</td>
<td>TAS</td>
<td>CAP.: 100 LTRS</td>
<td>1</td>
<td>HDPE</td>
</tr>
<tr>
<td>9</td>
<td>CARTRIDGE FILTER</td>
<td>CF1</td>
<td>14.0 M3/HR @ 5 MICRONS</td>
<td>2</td>
<td>PP</td>
</tr>
<tr>
<td>10</td>
<td>HIGH PRESSURE PUMP</td>
<td>HPP</td>
<td>14.0 m³/hr @ 14.0 kg/cm²</td>
<td>1</td>
<td>Nanfang</td>
</tr>
<tr>
<td>11</td>
<td>MEMBRANES</td>
<td>MEM</td>
<td>AGD040 F</td>
<td>10</td>
<td>ORMONICS</td>
</tr>
<tr>
<td>12</td>
<td>PRESSURE TUBES (250 PSI)</td>
<td>PT</td>
<td>SUITABLE FOR 5 ELEMENTS</td>
<td>2</td>
<td>THERMAX APPO</td>
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<tr>
<td>13</td>
<td>CLEANING TANK</td>
<td>CT</td>
<td>CAP.: 425 LTRS</td>
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<td>HDPE</td>
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<tr>
<td>14</td>
<td>CARTRIDGE FILTER</td>
<td>CF2</td>
<td>9 M3/HR @ 10 MICRONS</td>
<td>1</td>
<td>PP</td>
</tr>
<tr>
<td>15</td>
<td>CLEANING PUMP</td>
<td>CP</td>
<td>10 M3/HR @ 3.5 KG/CM²</td>
<td>1</td>
<td>SS-THERMAX LAXMI</td>
</tr>
<tr>
<td>16</td>
<td>PH DOSING PUMP</td>
<td>PHP</td>
<td>0.4 LPH @ 3.5 KG/CM²</td>
<td>1</td>
<td>THERMAX APPO</td>
</tr>
<tr>
<td>17</td>
<td>PH DOSING TANK</td>
<td>PHT</td>
<td>CAP.: 100 LTRS</td>
<td>1</td>
<td>HDPE</td>
</tr>
</tbody>
</table>

Signature of Authorized Signatory along with seal

Page 53 of 55
<table>
<thead>
<tr>
<th>SR. NO.</th>
<th>MARK</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
<th>MAKE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CL</td>
<td>CONDUCTIVITY METER</td>
<td>1</td>
<td>ASTER</td>
</tr>
<tr>
<td>2</td>
<td>PI</td>
<td>PRESSURE INDICATOR (DIRECT)</td>
<td>8</td>
<td>GLUCK</td>
</tr>
<tr>
<td>3</td>
<td>FI</td>
<td>FLOW INDICATORS</td>
<td>2</td>
<td>ASTER</td>
</tr>
<tr>
<td>4</td>
<td>WM</td>
<td>WATER METER</td>
<td>1</td>
<td>THERMAX</td>
</tr>
<tr>
<td>5</td>
<td>LS</td>
<td>LEVEL SWITCH</td>
<td>1</td>
<td>ASTER</td>
</tr>
<tr>
<td>6</td>
<td>PS</td>
<td>PRESSURE SWITCH</td>
<td>1</td>
<td>GIC</td>
</tr>
<tr>
<td>7</td>
<td>SDI</td>
<td>SILT DENSITY INDEX</td>
<td>1</td>
<td>EMBARK</td>
</tr>
<tr>
<td>8</td>
<td>ORP</td>
<td>OXIDATION REDUCTION POTENTIAL</td>
<td>1</td>
<td>ASTER</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>LOGIC CONTROLLER</td>
<td>1</td>
<td>THERMAX</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>INSTRUMENT CUM STARTER PANEL</td>
<td>1</td>
<td>THERMAX</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>POWER &amp; INSTRUMENT CABLE</td>
<td>1</td>
<td>THERMAX</td>
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</tbody>
</table>

**RAW WATER ANALYSIS**

<table>
<thead>
<tr>
<th>SOURCE</th>
<th>BOREWELL</th>
</tr>
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<tbody>
<tr>
<td>SDI</td>
<td>&lt;3</td>
</tr>
<tr>
<td>TDS</td>
<td>3000</td>
</tr>
<tr>
<td>TOTAL HARDNESS</td>
<td>&lt; 500</td>
</tr>
</tbody>
</table>

Signature of Authorized Signatory along with seal
### Treated Water Quality

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDS</td>
<td>100 PPM</td>
</tr>
<tr>
<td>pH</td>
<td>5.7 (Before PH Correction)</td>
</tr>
</tbody>
</table>

### Our Termination Points

<table>
<thead>
<tr>
<th>MARK</th>
<th>DESCRIPTION</th>
<th>SIZE NB</th>
<th>FLOW, M³/hr</th>
<th>PRESSURE, Kg/cm²</th>
<th>CONN. STD.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>PWR 1&amp;2 SUCTION</td>
<td>80</td>
<td>14.0</td>
<td>3.5</td>
<td>BSTD</td>
</tr>
<tr>
<td>B</td>
<td>REJECT</td>
<td>40</td>
<td>4.0</td>
<td>ATM</td>
<td>BSTD</td>
</tr>
<tr>
<td>C</td>
<td>PERMEATE OUTLET</td>
<td>40</td>
<td>10.0</td>
<td>0.6</td>
<td>BSTD</td>
</tr>
</tbody>
</table>

**Important:** Qty mentioned in IS for one plant no. of plant reqd. Thus = 5 nos.

**Note:** DMF Vessel thickness as per the IS 2825, & media as per T3GEP STD.