

JAIPUR METRO RAIL CORPORATION LTD.

JMRC/O&S/EL/2019-20/NIB/023

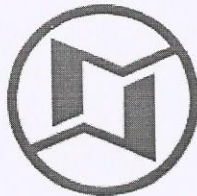
Dated:- 27/09/2019

“Protection Audit of MSOR & SICP RSS, MSVD & MSOR ASS and CTCP ASS of JMRC”

BID DOCUMENT

BID DOCUMENT CONSIST OF :

- NOTICE INVITING BID (NIB)
- INSTRUCTION TO BIDDERS (ITB)
- SPECIAL CONDITIONS OF CONTRACT (SCC)
- BILL OF QUANTITY (BOQ)
- JMRC GENERAL CONDITIONS OF CONTRACT (GCC)



JAIPUR METRO

okp

Jaipur Metro Rail Corporation Ltd.

Admin Building, Metro Train Depot, Bhriugu Path, Mansarovar, Jaipur - 302020

Website: www.jaipurmetrorail.in

Email: jmrc.edtem@gmail.com

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SECTION 1

NOTICE INVITING BID

1.1 GENERAL

JAIPUR Metro Rail Corporation (JMRC) Ltd. invites sealed open Bids from eligible Bidders for
“Protection Audit of MSOR & SICP RSS, MSVD & MSOR ASS and CTCP ASS of JMRC”

Approximate cost of work	14,27,800/- inclusive of all taxes
Bid Security amount	28,556.00/- (2 % of the Estimated Cost) in the form of Banker's Cheque/ Demand Draft of a Scheduled Bank in favour of “Jaipur Metro Rail Corporation Ltd.” payable at Jaipur.
Cost of Bid form /Tender Cost (Non-Refundable)	Rs. 1180/- including 18% GST (Cost of Bid Form is not refundable) in the form of Banker's Cheque/ Demand Draft of a Scheduled Bank in favour of “Jaipur Metro Rail Corporation Ltd.” payable at Jaipur.
Tender Processing Fee	Rs. 1180/- (By Demand Draft / Bankers Cheque, payable in favour of “ MD, RISL, Jaipur”)
Start date and Time for Download of bid	27/09/2019 at 18:00Hrs.
Start date and Time for Submission of bid	27/09/2019 at 20:00Hrs.
Last date and Time of Submission of Bid	15/10/2019 at 23:50Hrs.
Date of opening of Technical Bid	16/10/2019 at 15:00Hrs.
Venue & Date of Physical Submission of financial instruments (Bid Security, Tender Cost, Tender Processing Fee)	16/10/2019 at 13:00Hrs. Office of Manager (Traction/E&M), JMRC, Room No. 107, First Floor, Admin Building, Mansarovar Metro Train Depot, Bhriгу path, Mansarovar, Jaipur-302020
Place of opening of Bid	Room no. 107, First Floor, Admin Building, Mansarovar Metro Train Depot, Bhriгу path, Mansarovar, Jaipur-302020
Performance security	10 % of the contract amount in the form of Banker's Cheque/ Demand Draft/ Bank guarantee of a Scheduled Bank in favour of “Jaipur Metro Rail Corporation Ltd.” payable at Jaipur.
Validity of tender	90 days from last date of submission of tender
Name of website (s) for down load of Bid document and clarification (s) / Modification (s), if any	http://transport.rajasthan.gov.in/jmrc www.sppp.rajasthan.gov.in https://www.eproc.rajasthan.gov
Stipulated date of Commencement of work	Within 07 days from the date of issue of “Letter of Acceptance”.
Stipulated date of work completion	Within 15 weeks from the date of Commencement of work

Note - Cost of Bid form, Bid Security amount shall be submitted in the form of demand draft/bankers cheque of any scheduled bank or nationalised bank in India in favour of **“Jaipur Metro Rail Corporation”** payable at Jaipur. The bid security may also be submitted in form of Bank Guarantee.



1.2 POINTS TO BE NOTED

- 1.2.1 Works envisaged under this contract are required to be executed in all respects up to the period of completion mentioned above.
- 1.2.2 Only those agencies, who qualified condition of clause 1.3 and special condition of contract, should submit the Bid documents.
- 1.2.3 The mere fact that the Bidders shall not imply that his bid shall automatically be accepted. The same should contain all Financial & other details as required for the consideration of Bid.
- 1.2.4 Bid document consists of the following:
- Notice Inviting Bid - consisting of
 - Notice Inviting Bid
 - Scope of Work
 - Bid prices
 - Instructions to Bidders
 - Special Conditions of Contract (SCC)
 - Bill of Quantities (BOQ)
 - General Conditions of Contracts (GCC)
- 1.2.5 The Contract shall be governed by the documents listed in Para 1.2.4 above.
- 1.2.6 The Bidders may obtain further information 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, Bhargu path, Mansarovar, Jaipur-302020.
- 1.2.7 All Bidders are hereby cautioned that Bids containing any material deviation from the Bid document as mentioned in the clause of 1.2.4 of NIB which consists of NIB, Instructions to bidders, Special conditions of contract, Bill of Quantities, General conditions of contract, is liable to be summarily rejected as non-responsive.
- 1.2.8 JMRC reserves the right to accept or reject any or all proposals without assigning any reasons. No Bidders shall have any cause of action or claim against the JMRC for rejection of his proposal.

1.3 Minimum Eligibility Criteria:- The bidder should meet all the eligibility criteria as mentioned below:-

- (a) Firm shall INITIALLY be filtered on the basis of following criteria

INITIAL REQUIREMENTS:-

S. No.	Criteria
1	Firm should not have abandoned any work in last five years.
2	Bidder's Contract with any organization should not ever been terminated due to poor performance.
3	Bidder's Security Deposit should not ever been forfeited by any Government/ Semi Government/PSU/MRTS.
4	Bidder should not have been involved in frequent litigation in last five years.
5	Bidder should not have suffered Bankruptcy/ insolvency in last five years.
6	Bidder should not have been blacklisted by any organization.
7	Bidder should not submit any misleading information in the application.
8	Bidder should be financially sound to perform the work.
9	Bidder's Net Worth should not be negative.
10	Bidder should be able to certify neither that no agent / middleman has been or will be engaged nor that any agency or commission has been or will be paid.



To prove conformity to above requirements, bidder should submit an undertaking for the fulfilment of all above criteria on the letter head of the firm at the time of submission of bid (refer clause 8.1.1). 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.

(b) **Electrical Contractor License :**

The firm/contractor should have valid electrical contractor licence issued by any state Govt authority in India, on the date of bid opening in his own name or in the name of firm .

(c) **Work Experience:**

The contractor/ Firm should have satisfactorily **completed similar works during last 3 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 fulfill either of the following Criteria:

- (i) Three similar completed works each costing not less than the amount equal to 40% of the estimated cost i.e. Rs. 5,71,120 /-.

Or

- (ii) Two similar completed works each costing not less than the amount equal to 50% of the estimated cost i.e. Rs. 7,13,900/-.

Or

- (iii) One similar completed work each costing not less than the amount equal to 80% of the estimated cost i.e. Rs. 11,42,240 /-.

Note:

1. The works completed here shall mean having physically completed that particular work.
2. Definition of similar work: - Work experience of power system protection i.e. relay testing with primary and secondary injection/ CT testing/Breaker Testing/Sort circuit Study/Load flow study/Relay coordination in any Central Govt. Department /State Govt. Department /PSUs of central or any state Govt . /DMRC/Any Metro Rail in India/ Indian Railways or it's PSU's/ Autonomous body of Any Govt. The Bidder shall attach copy of LOAs / POs/Work Orders along with their individual work completion certificates with Financial Year wise details of payments made against that particular work with his bid documents.

(d) **Financial Standing (Annual Turnover) :**

- A. The **average annual turnover** of bidder during **each of last three audited financial years** should not be less than forty percent (40%) of the estimated cost given in NIB i.e. Rs. 5, 71,120 /- .The bidder shall attach copies of Audited balance sheets/ Any other document mentioning the required turnover, certified by a Chartered Accountant/ Assessed ITRs/Details of payments made financial year wise against works completed in any organisation listed in above Para b Note (2).

1.4 Bid document issue/downloading from website :-

- 1.4.1 The complete bid document can be downloaded from the state e-procurement website <https://www.eproc.rajabasthan.gov.in> in and interested bidders will have to submit their offer in electronic formats both for technical and financial proposal on this website with their digital signatures. The complete bid document can also be seen on Corporation's website <http://transport.rajabasthan.gov.in/jmrc> and state procurement portal i.e., www.sppp.rajabasthan.gov.in. Bidders who wish to participate in this bidding process must have registered on <https://eproc.rajabasthan.gov.in>. To participate in online tenders, as per Information Technology Act, 2000, Bidders will have to obtain Digital Signature Certificate (DSC) from any agency approved by Controller of Certifying Authorities (CCA). Bidders who already have a Valid Digital Signature Certificate need not to 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 out rightly.

Signature

- 1.4.2 Corrigendum, Addendums and subsequent clarification on the bid terms, if any, can be down loaded from the above mentioned website. Intimation for change in the schedule of Bid opening etc. shall be published on above mentioned website only. Keep visiting these website for any subsequent clarification & modifications.**

ED (Traction and E&M)
JMRC

DEFINITIONS

Agreement	The Contract Agreement to be executed between JMRC and Agency, subsequent to the Letter of Award, as per the format at Form-E of ITB.
Agency/Bidder	The Agency/Bidder engaged pursuant to this Bid for conducting the Work as per the Scope of Work defined in this Bid document.
Corporation	Jaipur Metro Rail Corporation Ltd.
JMRC	Jaipur Metro Rail Corporation Ltd.
LOA	Letter of Award – Letter form Corporation to selected Agency conveying selection and outlining the terms and rates for the work.
Bidder	The firm or company which submits proposal in response to this BID within the time prescribed for the purpose.
Technically Qualified Bidder	A Bidder whose Technical Bid is considered eligible and technically responsive by JMRC.
Contract Agreement Amount	The contract amount finally approved by JMRC for the entire work for the duration of the contract (and extended) pursuant to this Bid process, as mentioned in the LOA.

Handwritten signature

SECTION 2

SCOPE OF WORK

2.1 Scope of the Work :

It includes following works:

- 1) Design, development & successful implementation of methodology of protection concept in consultation and in line with the DMRC guideline. The report will also consist of identified gap of the existing system.
- 2) The Following studies will be performed as per the SLD's furnished by JMRC,
 - a. Load flow study
 - b. Short circuit study
 - c. Relay co-ordination
- 3) Testing and calibration of protection relays by fully automatic three phase test kit. Testing will be carried out after the relay configuration based on commended setting to know their condition and to prove suitability for required performance.
- 4) Transformer stability test: the purpose of differential & REF stability test is to determine the healthiness of the differential & REF CT circuit which is protecting the in zone equipment from actual fault conditions and through fault condition for 02 X(132/33KV)30MVA power transformer & 02X(123/27.5KV)21.6 MVA transformer.

2.2 Technical Specifications and Standards of Work:

2.2.1 Technical Specifications of Work

S.N.	Name of Work	Unit
1.	To Carry out load flow study, short Circuit study and Relay Co-ordination with ETAP software of MSOR RSS, SSCP RSS, MSVD ASS, MSOR ASS and BICP ASS	LOT
2.	Calculation of New Relay settings of MSOR RSS, SSCP RSS, MSVD ASS, MSOR ASS and BICP ASS based on DMRC approved protection philosophy.	LOT
3.	To test all the relay at MSOR RSS, SSCP RSS, MSVD ASS, MSVD FP, MSOR ASS and CDPE ASS after configuration and implementing new settings with primary and secondary injection.	LOT
4.	To Test all the CB'S of MSOR RSS for (i) Opening Time (ii) Closing Time (iii) Contact Resistance Measurement (iv) Check Trip/closing Circuit for delayed operation	LOT
5.	To test all the Current Transformers (CT's) of MSOR RSS for (i) Primary injection Test (ii) Knee Point Test/VA Capacity (iii) Measure CT Secondary resistance and check situation	LOT
6.	Class Room and Practical Training on fundamental of protection schemes ,Selection Criteria of protection schemes, Relay Settings Calculation, Configuration, PSL, LED, assignment ,DR and fault data , relay communication etc.	LOT



Testing of Protection Relays				
S.No.	Protection Type	Relay Type	Make	Qty.
1	Bay Control Unit	BCPU C264	Schneider	30
2	Line differential with Distance	P543	Schneider	4
3	Numerical Bus bar Protection	P746	Schneider	6
4	Advance Transformer Protection & Control	P642	Schneider	4
5	Feeder Management Relay	P141	Schneider	4
6	Transformer Protection Device For Rail Applications	P638	Schneider	4
7	Feeder Management Relay	P143	Schneider	4
8	Rail Catenary Distance Protection Devices	P438	Schneider	11
9	Feeder & Motor Management Relay	VAMP 255	Schneider	20
10	Feeder Protection & Control Relay	REF615	ABB	10
11	Line Differential & Control Relay	RED615	ABB	4
12	Over Current & Earth Fault Relay	SPAJ	ABB	1

Relay Coordination Study For 132/33/25 KV Mansarovar RSS, SICP RSS, MSVD ASS, MSOR ASS and BICP ASS		
Item Description	Quantity	Unit
Relay Coordination	1	Job

Transformer Stability Test (For Differential & REF Protection)			
S.N.	Equipment Details	Quantity	Unit
1	132/33KV 30 MVA Transformer	4	Number
2	132/21.7 KV 21.6 MVA Transformer	4	Number

2.2.5 Time period of Work:

S.No.	Description of Activities	Time In Week
1	System Data Collection	01 Week
2	Preparation of preliminary SLD based on Information collected from customer and submission of the same for customer's comment/suggestions.	08 Weeks
3	Receipt of comments/pending information from customer on the above.	
4	Submission of Draft Report	03 Weeks
5	Receipt of comments from customer on draft report	
6	Submission of final report after incorporating the comments	01 Weeks
7	Testing & Calibration of Protection IED's	01 Week Per Substation
8	Transformer Stability Test	01 Week

SECTION 3**BID PRICES AND SCHEDULE OF PAYMENT****3.1 Bid Prices**

- 3.1.1 a. unless explicitly stated otherwise in the Bid Documents, the contractor Shall be responsible for the whole works, based on the Bill of Quantities and payment shall be as per accepted rates based on the activities carried out as in the execution of work.
- b. The Bidders shall quote the rates 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 the Corporation in addition to the quoted bid amount in BOQ..

3.1.2 Schedule of Payment

- a) The work should be completed before the time period mentioned in LOA (Letter of Acceptance). 100% Payment will be done after submission of satisfactory Work completion report of nominated JMRC field representative.
- b) The currency or currencies in which payments shall be made to the supplier/ Contractor under this Contract shall be Indian Rupees (INR) only.
- c) Performance security or PBG shall remain valid for a period of 60 days (Sixty days) beyond the date of completion of all contractual obligations of the Bidder, including warranty obligations and maintenance and defect liability period. After successful completion of all contractual obligations of the Bidder, performance guarantee will be released.



“Protection Audit of MSOR & SICIP RSS, MSVD & MSOR ASS and CTCP ASS of JMRC”

INSTRUCTIONS TO BIDDERS

1.0 GENERAL

1.1 INTRODUCTION

Sealed open Bids are invited for “Protection Audit of MSOR & SICIP RSS, MSVD & MSOR ASS and CTCP ASS of JMRC” herein after called the Employer, for Works in accordance with this Bid Package.

The Bid papers consist of the following documents, along with their annexes, appendices, addenda and errata if any.

- Notice Inviting Bid (NIB)
- Instructions to Bidders (ITB)
- General Conditions of Contract
- Special Conditions of Contract (SCC)
- Bill of Quantities

Bids shall be prepared and submitted in accordance with the instructions given herein.

1.2 Relevant address for correspondence relating to this Bid is given below:

ED (Traction and E&M), JMRC Room no. – 407, 4th Floor, Admin Building, Metro Train Depot, Bhriugu Path, Mansarovar, Jaipur - 302020

1.3 Some essential data/requirements pertaining to this Bid along with reference to Clause number of this volume where full details have been given are detailed below.

- a) “Bid Security” to be furnished by the Bidders: Amount as per NIB.
- b) The complete bid document can be downloaded from the state e-procurement website <https://www.eproc.rajasthan.gov.in> and interested bidders will have to submit their offer in electronic formats both for technical and financial proposal on this website with their digital signatures. The complete bid document can also be seen on Corporation’s website www.jaipurmetrorail.in and state procurement portal i.e., www.sppp.rajasthan.gov.in
- c) Bidders who wish to participate in this bidding process must have registered on <https://eproc.rajasthan.gov.in>. To participate in online tenders, as per Information Technology Act, 2000, Bidders will have to obtain Digital Signature Certificate (DSC) from any agency approved by Controller of Certifying Authorities (CCA). Bidders who already have a Valid Digital Signature Certificate need not to 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 out rightly.

2.0 PRE QUALIFICATION REQUIREMENTS

2.1 This invitation to Bid is open to only those agencies having valid electrical license to work in Rajasthan and having experience of Work experience of new earth formation, Repairing of existing stations/pits with formation of inspection chamber of concrete box with wall and top cover of concrete lid with pulling hooks, Supplying, laying and connections of earthing strip from earthing pit to desired equipment/mast as mentioned in BOQ (Bill of quantities) or any earthing related work in electrical installation and systems

2.2 Each agency shall submit only one Bid either himself or as a lead partner /Lead Constituent in a joint venture/consortium for the work. The Bid who submits more than one Bid for the same work will be disqualified.

All Bids submitted shall include the following information:

2.2.1 General information on the Bidders shall be furnished in Form T-I. Copies of original documents defining the constitution and legal status, certificate of registration and ownership, principal place of business of the company, corporation, firm or partnership or, if a joint venture including consortium, of each party thereto constituting the Bidders will also be required to be furnished. All the group members in a joint venture will be jointly and severally responsible for the performance under the contract.

2.2.2 In the case of Bid by a joint venture of two or more firms or companies as partners or as members of a consortium as the case may be, joint venture data must be furnished in the format prescribed (Form T-I) along with the documents as mentioned therein. The following requirements shall also be complied with.



- a. The Bid, and, in the case of a successful Bid, the Form of Agreement, shall be individually signed so as to be legally binding on all partners/constituents as the case may be.
- b. In case of partnership, one of the partners shall be nominated as being In-charge as Lead or Prime Partner and this authorization shall be evidenced by submitting a power of attorney signed by the partners or legally authorized signatories of all the partners. In case of consortium, it will similarly authorize a person to be In-charge and this authorization shall be evidenced by a power of attorney in favour of that person.
- c. The partner In-charge or the person In-charge as aforesaid shall be authorized to incur liabilities and receive instructions for and on behalf of any and all the partners of the joint venture or constituents of the consortium and the entire execution of the contract including payment shall be carried out exclusively through the partner In-charge of Joint Venture and person In-charge of a consortium.
- d. All partners of the joint venture or constituents of the consortium shall be liable jointly and severally for the execution of the Contract in accordance with the Contract terms and a relevant statement to this effect shall be included in the authorization mentioned under (b) above as well as in the Form of Bid and the Form of Agreement (in case of a successful Bid).
- e. In the event of default by any partner in the case of a joint venture and constituent in the case of a consortium in the execution of his part of the Contract, the partner/person In-charge will have the authority to assign the work to any other party acceptable to the Employer to ensure the execution of that part of the Contract.
- f. A copy of the agreement entered into by the joint venture/ consortium partners shall be submitted along with the Bid.

2.2.3 In case the Bidders is an Association, Consortium or Joint Venture, the Bidders shall provide the following:

- i. The Memorandum of Understanding/Joint Venture Agreement duly notarized indicating:
 - a. Nomination of one of the members of the Association, Consortium or Joint Venture to be In-charge or Lead Member. The legally authorized signatories of all members of the Association, Consortium or Joint Venture shall issue this authorization.
 - b. Details of the intended percentage participation given by each member, with complete details of the proposed division of responsibilities and corporate relationships among the individual members.
 - c. Each member of the Association, Consortium or Joint Venture shall be jointly and severally liable for the undertaking of this Contract.

2.2.4 The Bidders to qualify for award of Contract shall submit a written power of attorney authorizing the signatory (ies) of the Bid to commit the Bidders or each member of the partnership, consortium or joint venture.

2.3 Each page of Bid shall be signed by the authorized signatory of the Bidders. Power of Attorney in favour of the signatory will be required to be furnished as detailed in Clause 13.0.

2.4 Cancellation or creation of a document such as Power of Attorney, Partnership deed, Constitution of firm etc., which may have bearing on the Bid/contract shall be communicated forthwith in writing by the Bidders to the Engineer and the Employer.

2.5 Details of information submitted by the applicants at the stage of Techno-Commercial bid shall be considered for qualification of this Bid. Any information found incorrect or suppressed, the Bid may not be considered or contract will be cancelled without any financial claim/arbitration from the Bid. The applicant is required to certify in the statement placed at Annexure B.

2.6 Each Bidders, or any associate will be required to confirm and declare in the Bid submittal that no agent, middleman or any intermediary has been, or will be, engaged to provide any services, or any other items of work related to the award and performance of this contract. They will have to further confirm and declare in the submittal that no agency commission or any payment, which may be construed as an agency commission, has been, or will be paid and that Bid price will not include any such amount.

3.0 COST OF BIDDING

3.1 The Bidders shall bear all costs associated with the preparation and submission of his Bid and the Employer will in no case be responsible or liable for these costs.

3.2 In case the tender is annulled in any case, the bid cost and tender processing fees will not be refunded in any case.

Signature

4.0 SITE VISIT

- 4.1.1 The Bidders is advised to visit and examine the Site of Works and its surroundings at his/their cost and obtain for himself on his own responsibility, all information that may be necessary for preparing the Bid and entering into a Contract.
- 4.1.2 The agency shall be deemed to have inspected the Site and its surroundings beforehand and taken into account all relevant factors pertaining to the Site in the preparation and submission of the Bid.

BID DOCUMENTS

5.0 CONTENTS OF BID DOCUMENTS

- 5.1.1 The Bidders is expected to examine carefully all the contents of the Bid documents as mentioned including instructions, conditions, forms, terms, specifications and take them fully into account before submitting his offer. Failure to comply with the requirements as detailed in these documents shall be at the Bidders own risk. Bids that are not responsive to the requirements of the Bid documents will be rejected.

6.0 AMENDMENT TO BID DOCUMENTS

- 6.1 At any time prior to the deadline for the submission of Bids, the Engineer may, for any reason, whether at his own initiative or in response to a clarification or query raised by a prospective Bidders, modify the Bid documents by an amendment/addendum.
- 6.2 Any amendment/addendum as per clause 6.1 above shall also be the part of this Bid. The said amendment in the form of an addendum will be sent to all prospective tenderers who have received the tender documents, on or prior or last date mentioned in NIB. These prospective tenderers should promptly receipt thereof by email to the Engineer. Bidders may remain in touch with the E-Proc portal <https://www.eproc.rajasthan.gov.in> and JMRC's website <http://transport.rajasthan.gov.in/jmrc> or state procurement portal www.sppp.rajasthan.gov.in for any kind of latest Information, Addendum, Clarification, etc.
- 6.3 In order to afford prospective Bidders reasonable time for preparing their Bids after taking into account such amendments/addendums, the Engineer or the Employer may, at his discretion, extend the deadline for the submission of Bids in accordance with Sub-clause 15.0.

PREPARATION OF BIDS

7.0 LANGUAGE OF BID

- 7.1 The Bid prepared by the Bidders and all correspondence and documents relating to the Bid exchanged between the Bidders and the Employer/Engineer shall be in the English language.

8.0 DOCUMENTS COMPRISING THE BID

8.1 BID PACKAGE

The Bid shall be submitted in two parts as 1. Technical Bid (Envelope-A) and 2. Price Bid (Envelope-B) in sealed covers separately duly super scribed from the bidders and both the sealed covers (Envelope-A & Envelope-B) are to be put together in a bigger cover which should also be sealed and super scribed with name of bidder and name of the work.

8.1.1 8.1.1 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 the required documents, comprising the following:

a. **Tender cost, bid security and Tender processing fee**

- i) These original instruments should be submitted with forwarding letter mentioning the NIT no, Name of Work and particulars of these financial instrument.
- ii) At the backside of every instrument, firm needs to mention Name of Firm, NIT no and Mobile No. Of the authorized signatory of the firm
- iii) Scanned copy of tender cost, Bid security and Processing Fee Instruments need to be submitted with the online tender and these original instruments are to be submitted as per schedule.
- iv) If firm fails to submit the original instrument in the desired form and amount by the stipulated date and time then its financial bids shall not be opened and it shall be summarily rejected.
- v) If scanned copy of any or all of these instruments (i.e. Cost of Bid, Processing fee and Bid security) submitted with Technical bid does not match with the original instruments submitted by the firm physically then its financial bids shall not be opened and it shall be summarily rejected.



- b. **Copy of Bid Document:** The Bidder shall enclose digitally signed and stamped (lead member in case of consortium) Bid Document along with copies of the **PAN. No.** under Income Tax Act, latest **GST Registration certificate**. In the absence of registration detail with GST, EPF authority, payment shall not be released. "PF registration number and ESI Registration No. Code No., as per ESI Act. shall be indicated by the Bidders in the Bid document and also a copy of registration to be submitted. The contractor shall also be responsible to comply instructions as per applicable Labour laws.
- c. **Bid documents as listed below:**
- i. Notice Inviting Bid
 - ii. Instructions to Bidders.
 - iii. Special Conditions of Contract
 - iv. JMRCs General Conditions of Contract (It is integral part of this Bid document but this need not to be submitted along with Bid documents, it is deemed that bidder is accepting the GCC at the time of submission of bid. Successful bidder has to signed GCC documents at the time of signing agreement.
 - v. Annexure A & B,B1
 - vi. Statement of deviations from Bid documents (Form C).
 - vii. General Information in the form prescribed (Form T-I) and Experience record of similar works during the last three years and in progress on date may be furnished in the format prescribed (Form T-II).
 - viii. Attested Copy of Power of Attorney to submit Bid.
 - ix. Financial data (Form T – V)
 - x. Form of Bid and Appendix thereof (Form A).
 - xi. Copy of all the documents to satisfy the eligibility criteria including Electrical License (Refer clause 1.3 of NIB).
 - xii. The undertaking from bidder for confirmation of the fulfillment of the eligibility criteria (refer clause 1.3 (a) of NIB).
 - xiii. All the addendums/amendments issued regarding this tender and uploaded by JMRC on the website.
 - xiv. Any order documents, contractor deem fit but not the financial Bid/BOQ.

Note:-No price bid should be indicated at any place in the Technical Bid, otherwise the proposal shall be summarily rejected.

8.1.2 Financial Bid – Bill of Quantities

- a) The financial bid shall be submitted online through the prescribed website as per the instructions on the website therein. The prices shall be submitted online the Financial Bid Format given as **FINANCIAL BID (BILL OF QUANTITIES)** of Tender enclosed. These prices should include all costs associated with the contract.
 - b) Utmost care is taken to upload 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 format (Password protected file).
 - ii. This XLS file is password protected file. Don't unprotect the file. Price has to be filled in this file and the same has to be uploaded.
 - iii. Fill Bidder Name, Percentage rate (Less/Excess) to the estimated cost in down loaded Financial Bid Format as specified (in XLS format only) in green back ground cells. Don't fill in any other back ground cells.
 - iv. Save filled copy of downloaded financial bid file in your computer and remember its name & location for uploading correct file (duly filled in) when required.
- 8.2 Documents to be submitted by the Bidders under technical and financial packages have been described under the respective Clauses 8.1 of ITB. This list of documents has been prepared mainly for the convenience of the Bidders and any omission on the part of the Employer shall not absolve the Bidders of his responsibility of going through the various clauses in the Bid Documents including the specifications and to submit all the details specifically called for (or implied) in those clauses.
- 8.3 All documents issued for the purposes of Bidding as described in Clause 1.2.4, and any amendments issued in accordance with Clause 6.0 shall be deemed as incorporated in the Bid.
- 8.4 In case of a joint venture/consortium, information as required under clause 2.2, in respect of each partner/company including Forms T-I to T-VII will be required to be furnished. Additional sheets may be used wherever necessary.



9.0 BID PRICES

- 9.1 The Bidders is required to quote for all the items as per Bid documents.
- 9.2 Price quoted by the Bidders shall be inclusive of all taxes/duties/levies etc. 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.
- 9.3 The Bidders shall keep the contents of his Bid and rates quoted by him confidential.
- 9.4 The rate quoted shall be reasonable and not unbalanced. If the Engineer came across any unbalanced rates, he may require the Bidders to furnish detailed analysis to justify the same. If after its examination, the Engineer still feels the rates to be unbalanced, he may ask the Bidders other safeguards to protect Employers interest against financial loss. If the Bidders fail to comply with this, his Bid shall be liable to be rejected by the Employer.
- 9.5 The Bidders shall utilize Indian labour, staff and materials to the maximum extent possible in execution of Works.
- 9.6 The successful Bidders should arrange for refund of taxes and duties paid or would have been paid to the fullest extent JMRC is entitled.. All records for payment of sales tax on works contract, VAT, custom duty and Excise duties paid by the successful Bidders during execution of contract will be maintained to facilitate refund of taxes and duties for JMRC (if applicable). In case the amount of any of these taxes/duties actually paid and exemption availed by the successful Bidders is less than what has been indicated by them in your offer, the difference of the same will also be paid to JMRC. The effect of variation in quantities both +ve and -ve will be dealt separately.

10.0 CURRENCIES OF THE BID

- 10.1 Bid prices shall be quoted in Indian Rupees only.

11.0 BID VALIDITY

- 11.1 The Bid shall remain valid and open for acceptance for 90 days from the date of submission of Bid.
- 11.2 In exceptional circumstances, prior to expiry of the original Bid validity period, the Employer/the Engineer may request the Bidders for a specified extension in the period of validity. The request and the response thereto shall be made in writing or by telefax. A Bidder may refuse the request without forfeiting his Bid security. A Bidders agreeing to the request, shall not be required or permitted to modify his Bid but will be required to extend the validity of his Bid security correspondingly.

12.0 BID SECURITY

- 12.1 The Bidders shall furnish, as Bid security, an amount as mentioned in NIB.
- 12.2 The Bid securities will be in the form of Demand Draft/Bankers cheque in the name of "**Jaipur Metro Rail Corporation Limited**" payable at Jaipur.
- 12.3 Any Bid not accompanied by an acceptable Bid security will be summarily rejected by Employer/Engineer considering the bid as non-responsive.
- 12.4 The Bid securities of unsuccessful Bidders shall be discharged/returned by the Employer as promptly as possible as after the expiration of the period of Bid validity as defined in Clause 11.0. In this connection, Clause 25.3 may also be referred to.
- 12.5 The Bid security of the successful Bidders shall be returned upon the Bidders executing the Contract Agreement after furnishing the required performance guarantee for performance, as mentioned in Clause 27.0
- 12.6 **The Bid security shall be forfeited:**
1. If a Bidders withdraws his Bid during the period of Bid validity, or
 2. If the Bidders does not accept the correction of his tendered price in terms of Clause 22.0 or
 3. In the case of a successful Bidder, if he fails to:
 - a. Furnish the necessary performance guarantee for performance as per Clause 27.0 and/or
 - b. Enter into the Contract within the time limit specified in Clause 26.0
 - c. Commence the work as per terms and conditions of Bid after issuance of LOA.
- 12.7 No interest will be payable by the Employer on the Bid security amount cited above.



13.0 FORMAT AND SIGNING OF BIDS

- 13.1 If the Bid is submitted by a proprietary firm it shall be signed by the proprietor above his full name and the full name of his firm with its current address.
- 13.2 If the Bid is submitted by a firm in partnership, it shall be signed by a partner holding the power of Attorney for the firm. A certified copy of the Partnership deed and power of attorney shall accompany the Bid. Alternatively, all the partners shall sign it.
- 13.3 If the Bid is submitted by a limited company or a limited corporation, it shall be signed by a duly authorized person holding the power of attorney for the firm. A certified copy of the power of attorney shall accompany the Bid.
- 13.4 The documents are required to be submitted by the Bidders will be as described under clause 8.0 herein.
- 13.5 Each page of such document should be signed in full at the bottom by person submitting the Bid along with the date of signing. Each page of printed documents should be initialled at the bottom by the person submitting the Bid along with the date of initialling.
- 13.6 The complete Bid shall be without alterations, overwriting, interlineations or erasures except those to accord with instructions issued by the Employer, or as necessary to correct errors made by the Bidders. All amendments/corrections shall be initialed by the person signing the Bid.
- 13.7 All witnesses and sureties shall be persons of status and probity and their full names, occupations and addresses shall be written below their signatures.

14.0 SEALING AND MARKING OF BIDS

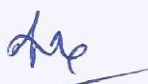
- 14.1. Online tenders will have to be digitally signed and submitted in a time stamped electronic sealed box on <http://eproc.rajasthan.gov.in>.
- 14.2. PREPARATION FOR ONLINE SUBMISSION :
- 14.2.1. To participate in online bidding process, tenderers must procure a Digital Signature Certificate as per Information Technology Act-2000 using which they can digitally sign their electronic bids. Bidders can procure the same from any CCA approved certifying agency, i.e. TCS, safecrypt, Ncode, etc. Tenderers who already have a valid Digital Signature Certificate (DSC) need not procure a new DSC.
- 14.2.2. The tenderer should get himself registered on procurement portal (<https://eproc.rajasthan.gov.in>) and create users and assign roles on this portal. Further to this, bidder shall download Notice Inviting Bids (NIB) and copy of the Bid Document from this site.
- 14.3. Deadline for Submission of Bids :- Tenders shall be received online on website <http://eproc.rajasthan.gov.in> with uploading of all relevant document not later than the time and date communicated by the department or extended date thereof.

15.0 SUBMISSION OF BIDS

- 15.1 The tenders will be submitted online only at web site <http://eproc.rajasthan.gov.in>. In no case tender will be submitted physically.
- 15.2 ONLINE SUBMISSION :-
- 15.2.1 Tenderer shall submit their tender in electronic format digitally signing the same. Tenderer (authorised signatory) shall submit their offer on-line in Electronic formats both for Technical and Financial Bid. The Technical Bid should also contain scanned copy of Financial Instruments (Cost of Bid Form, E-tender Processing Fee & Bid Security). **However, the original financial instrument for Cost of Bid Form, E-tender Processing Fee & Bid Security should be submitted physically at the following address of JMRC by the scheduled date and time as per NIT.**

Executive Director (Traction and E&M)
4th Floor, Admin Building, Metro Train Depot,
Bhripath, Mansarovar, Jaipur – 302020

- 15.2.2 All pages of tender document and the addendums/amendments uploaded by the JMRC on the website <http://eproc.rajasthan.gov.in> shall be deemed to have been initialled and accepted by the persons signing the bid when they submit their electronic bid.
- 15.2.3 The documents listed in ITT along with the addenda uploaded till the date of tender submission, shall be filled by the tenderer to bind the tenderer to the contract. All the pages of the tender and documents shall be digitally signed.



- 15.2.4 The uploaded documents for technical-bid or earnest money or tender fee or processing fee or any other document required for e-tendering cannot be changed after closing date of tender and same documents are to be produced in original physical form in the office whenever asked to do so.
- 15.2.5 Utmost care 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. All Tenders in which any of the prescribed conditions are not fulfilled or which have been vitiated by errors in calculations, totalling or other discrepancies or which contain over-writing in figures or words or corrections not digitally initialed/initialed and dated, may be liable to rejection.
- 15.2.6 Tenders sent telegraphically or through other means of transmission (Email, Tele-fax etc.), which cannot be delivered in a sealed envelope, shall be treated as defective, invalid and shall stand rejected.
- 15.2.7 The uploaded documents for e-bidding cannot be changed after closing date of bid and same documents are to be produced in original physical form in the office whenever asked to do so.

16.0 LATE BIDS

- 16.1 Any bid after prescribed date and time as per NIT, will not be received on website. 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 web site due to heavy load or nay other unforeseen problems. .

BID OPENING AND EVALUATION

17.0 BID OPENING

- 17.1 The bids will be opened online on website at the time and date as per schedule specified in the Notice Inviting Bid in the presence of Bidder(s) or their authorized representative(s) who may choose to be present at the time of bid opening, if the bidder wishes. Participating bidders can view and access the outcome of technical bid online also. The tenders shall be opened in two stages. In first stage the pre-qualification bid shall be opened and evaluated. The financial part shall be opened of responsive tenderers pre-qualified by competent authority, at a later date, which will be informed to all responsive and pre-qualified tenderers.
- 17.2 In first stage, Techno Commercial Bid of the Bids will be opened. The Bidders' names, the presence (or absence) of Earnest Money, and other details such as deviations proposed in Covering letter, financial & technical eligibility etc. will be announced by the Bid Opening Committee at the time of opening or same shall be available at the web-site.
- 17.3 Preliminary Examination of Bids, the contents of the Techno Commercial Bid, documents of the individual Bids will be examined summarily in order to assess their formal conformity and agreement with the instructions and guidance to the Bidders and the completeness. Any Bid not conforming to any of these requirements may be disqualified forthwith at the discretion of JAIPUR METRO RAIL CORPORATION.
- 17.4 Financial Bid of all technically qualified bidders, who qualify the technical evaluation will be opened on the date and time intimated to all such bidders separately by email. Tenderers are also advised to keep abreast of the website for announcement of the date.

18.0 PROCESS TO BE CONFIDENTIAL

- 18.1 Except the public opening of Bid, information relating to the examination, clarification, evaluation and comparison of Bids and recommendations concerning the award of Contract shall not be disclosed to Bidders or other persons not officially concerned with such process.
- 18.2 Any effort by a Bidders to influence the Employer/Engineer in the process of examination, clarification, evaluation and comparison of Bids and in decisions concerning award of contract, may result in the rejection of the Bid.

19.0 CLARIFICATION OF BIDS

- 19.1 To assist in the examination, evaluation and comparison of Bids, the Engineer / Employer may ask Bidders individually for clarification of their Bids, including breakup of prices. The request for clarification and the response shall be in writing or by telefax but no change in the price or substance of the Bid shall be sought, offered or permitted except as required to confirm correction of arithmetical errors discovered by the Engineer during the evaluation of Bids in accordance with Clause 22.0 herein.



20.0 DETERMINATION OF RESPONSIVENESS

- 20.1 Prior to the detailed evaluation of Bids, the authorised committee of JMRC will determine whether each Bid is responsive to the requirements of the Bid documents.
- 20.2 For the purpose of this Clause, a responsive Bid is one which confirms to all the terms, conditions and specifications of the Bid documents without material deviation or reservation. "Deviation" may include exceptions, exclusions & qualifications. A material deviation or reservation is one which affects in any substantial way the scope, quality, performance or administration of the works to be undertaken by the Bidders under the Contract, or which limits in any substantial way, the Employer's rights or the Bidders obligations under the Contract as provided for in the Bid documents and / or is of an essential condition, the rectification of which would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids at reasonable price.
- 20.3 If a Bid is not substantially responsive to the requirements of the Bid documents, it will be rejected by the Employer, and will not subsequently be permitted to be made responsive by the Bidders by correction or withdrawal of the non-conformity or infirmity. However minor clarification if required may be asked from the Bidders.
- 20.4 The decision of the Engineer/Employer as to which of the Bids are not substantially responsive or have impractical / methods or Programme for execution shall be final.

21.0 EVALUATION OF BID

- 21.1 **The Employer will, keeping in view the contents of Clause 1.3 and 8.1.1, carry out Techno Commercial Evaluation of submitted Techno Commercial Bid to determine that the Bidders has a full comprehension of the work of the contract. Where a Bidders Techno Commercial proposals submitted has a major inadequacy his Bid will be considered to be non-complaint and will be rejected.**
- 21.2 Technically acceptable Bids will be eligible for consideration of their financial proposals (Price Bid Envelope – B).
- 21.3 The evaluation of financial proposals by the Employer / Engineer will take into account, in addition to the Bid amounts, the following factors:
- a. Arithmetical errors corrected by the Employer/Engineer in accordance with Clause 22.0
 - b. Such other factors of administrative nature as the Employer/Engineer may consider to have a potentially significant impact on contract execution, price and payments, including the effect of items or unit rates that are unbalanced or unrealistically priced.
- 21.4 Offers, deviations and other factors, which are in excess of the requirements of the Bid documents or otherwise will result in the accrual of unsolicited benefits to the Employer, shall not be taken into account in Bid evaluation.
- 21.5 Price adjustment provisions applicable during the period of execution of the contract shall not be taken into account in Bid evaluation.
- 21.6 Evaluation of financial proposal will be based on pricing schedule/quantities in Bill of Quantity (BOQ) and rates quoted. Any alteration in BOQ will not be given any cognizance.
- 21.7 The duly authorized Engineer / Committee reserves the right to ask for submission of the source of procurement for the materials for which the bidder has quoted his rates before the bid can be considered for acceptance. If the bidder, who is called upon to do so, does not submit within a reasonable time of written order to do so, JAIPUR METRO RAIL CORPORATION shall be at liberty to forfeit the said earnest money absolutely.

22.0 CORRECTION OF ERRORS

- 22.1 The original financial Bid or the revised financial Bid as the case may be, of all qualified bidders determined responsive will be opened at a date notified to all qualified bidders. The authorized Bid opening committee of JAIPUR METRO RAIL CORPORATION, Jaipur will open the price bid. Errors will be corrected by the Employer / Engineer as follows:
- a. Where there is a discrepancy between amounts in figures and in words, the amount in words will govern; and
 - b. Where there is a discrepancy between the unit price and the total amount derived from the multiplication of the unit price and the quantity, the unit price as quoted will normally govern unless in the opinion of the Employer / Engineer there is an obviously gross misplacement of the decimal point in the unit price, in which event, the total amount as quoted will govern.



- 22.2 If a Bidder does not accept the correction of errors as outlined above, his Bid will be rejected and the Bid Security forfeited.

AWARD OF CONTRACT

23.0 AWARD CRITERIA

- 23.1 Subject to Clause 9.3 and 21.0, the Employer will award, the Contract to the Bidders, whose Bid has been determined to be substantially responsive, technically & financially suitable, complete and in accordance with the Bid documents.

24.0 EMPLOYER'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS

- 24.1 Notwithstanding Clause 23.0, the Employer reserves the right to accept or reject any Bid, and to annul the Bid process and reject all Bids, at any time prior to award of Contract,

25.0 NOTIFICATION OF AWARD

- 25.1 Prior to the expiry of the period of Bid validity prescribed by the Engineer/Employer, the Engineer/Employer will notify the successful Bidders by telegram or telefax, to be confirmed in writing by registered letter, that his Bid has been accepted. This letter (hereinafter and in the Conditions of Contract called 'the Letter of Acceptance') shall name the sum which the Employer will pay to the Contractor in consideration of the execution, completion of the works by the Contractor as prescribed by the Contract (hereinafter and in the conditions of Contract called the Contract Price'). The "Letter of acceptance" will be sent in duplicate to the successful Bidders, who will return one copy to the Employer duly acknowledged and signed by the authorized signatory, within three days of receipt of the same by the him. No correspondence will be entertained by the Employer from the unsuccessful Bidders.

- 25.2 The Letter of Acceptance will constitute a part of the contract.

- 25.3 Upon "Letter of acceptance" being signed and returned by the successful Bidders as per Clause 25.1, the employer will promptly notify the unsuccessful Bidders and discharge / return their Bid securities.

26.0 SIGNING OF AGREEMENT

- 26.1 The Employer shall prepare the Agreement in the Performa (Form E) included in this Document, duly Incorporating all the terms of agreement between the two parties. The work should be commenced as per time mentioned in LOA (Letter of Acceptance).

27.0 PERFORMANCE SECURITY

- 27.1 Within 15 days of receipt of the letter of Acceptance the successful Bidders shall furnish performance Security @ 10% of the estimated cost, as per clause 4.2 of General Conditions of Contract. If bidder chooses to submit BG as performance security, the form of Bank Guarantee should be as per Form D of ITB.

- 27.2 The Bank guarantee (BG) submitted by the contractor should be sent to

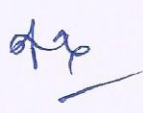
ED (Traction and E&M), JMRC,
4th Floor, Administrative Building,
Bhrigu Path, Mansarovar,
Jaipur- 302020

By the issuing bank under Registered Post.

- 27.2 In case the original BG is submitted through the contractor, the issuing bank should requested to immediately send by Registered Post an unstamped duplicate copy of the bank guarantee directly to **ED (Traction and E&M), JMRC, 4th Floor, Administrative Building, Bhrigu Path, Mansarovar, Jaipur-302020.**

- 27.2 Performance security shall be furnished in any one of the following forms: -

- a. Bank Draft or Banker's Cheque of a scheduled bank;
- b. 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.
- c. 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.



- 27.2 Performance security furnished in the form specified 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.

28.0 Cancellation of Letter of Acceptance (LOA) and Form of Bid

- 28.1 In case successful Bidders fails to commence the work (for whatsoever reasons) as per terms and conditions of Bid after issuance of LOA then the LOA shall be cancelled and the Bid security shall be forfeited.



CHECK LIST OF DOCUMENTS TO BE SUBMITTED WITH THE BID
COMPILED FROM THE PROVISIONS IN THIS VOLUME

Sl. No.	Document	No. of sets to be submitted	Reference to Clause No. of Instructions to Bidders
	BID PACKAGE COMPRISING OF:		
1	Bid documents including addendums/amendments – In Envelope A	One in Original	8.1.1
2	Power of attorney for individuals signing on behalf of Company/Firm or Power attorney in favour of the leading member of Joint venture/Consortium – In Envelope A	One in Original	13.0
3	Bid cost instrument (Non-refundable) (in case of downloaded tender) – In Envelope A	One in Original	1.1 & 8.1.1 (a)
4	Bid security instrument – In Envelope A	One in Original	8.1.1 (b) & 12.0
5	Annexure B, A1, B1 – In Envelope A	One in Original	8.1.1 (d) (vi)
6	Form T-I, T-II, T-V – In Envelope A	One set in Original	8.1.1
7	i. PAN No. as per Income tax act ii. PF registration No. iii. GST registration No. – iv. Valid Electrical license In Envelope A	Self-Attested Copy	8.1.1 (c)
8	Statement of deviations from Bid Documents (Form C) – In Envelope A	One in Original	8.1.1 (e) & 20.2
9	Form of Bid and Appendix thereof (Form A) – In Envelope A	One in Original	8.1.1 (i)
10	Copies of all the documents to satisfy the eligibility criteria – In Envelope A	Self-Attested Copies	8.1.1 (j)
11	Undertaking regarding eligibility criteria – In Envelope A	One set	8.1.1 (k)
12	Any other documents, contractor deem fit but not the financial Bid – In Envelope A	Self-Attested Copies	8.1.1 (m)
13	Bill of Quantities – In Envelope B	One in Original	8.1.2 & 8.2

Handwritten signature

**INDEX ON
PROFORMA OF FORMS**

1. PROFORMA OF FORMS GENERAL

(Items (iv) (v) applicable only for successful Bidders)

FORM

- | | | |
|------|--|---|
| i. | Form of Bid with Appendix | A |
| ii. | Performa for Statement of Deviations | C |
| iii. | Form of Performance Security (Guarantee) by Bank | D |
| iv. | Form of Agreement | E |

2. PROFORMA OF FORMS - QUALIFICATION PARTICULARS

FORM

- | | | |
|-----|---------------------|------|
| i. | General Information | T-I |
| ii. | Experience Record | T-II |
| v. | Financial Data | T-V |



FORM OF BID

- Note i. The Appendix forms part of the Bid
- ii. Bidders are required to fill up all the blank spaces in this Form of Bid and Appendix.

Name of Work: "Protection Audit of MSOR & SICP RSS, MSVD & MSOR ASS and CTCP ASS of JMRC"

To,

ED (Traction and E&M),
JMRC, 4th Floor, Administrative Building,
Bhriugu Path, Mansarovar, Jaipur- 302020

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 amount indicated in BOQ.

1. We acknowledge that the Appendix forms an integral part of the Bid.
2. We undertake, if our Bid is accepted, the time of completion of contract is one year which may be extended further for 3 months on mutual acceptance on same terms and conditions of contract.
3. If our Bid is accepted, we will furnish at our option a Performance security for the due performance of the Contract. The amount and form of such security will be in accordance with Clause 4.2 of the General Conditions of the Contract.
4. We have independently considered the Clauses of the General Conditions of Contract as 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.
5. We agree to abide by this Bid for a minimum period of 90 days (for subsequent years, as per clause 11.0 of ITB) 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.
6. 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.
7. 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.
8. 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.
9. We understand that you are not bound to accept the lowest or any Bid you may receive.
10. If our Bid is accepted we understand that we are to be held solely responsible for the due performance of the Contract.

Dated thisday of..... 2019

Signature

Name.....in the capacity of.....duly authorised to sign
Bids for and on behalf of
Address

Witness - Signature
Name
Address
Occupation



APPENDIX TO THE FORM OF BID

Condition of

Contract/

Clause No.

- | | | |
|------|--|------------------------------------|
| i. | Amount of Bank Guarantee as Performance Security | Clause 27 of ITB/clause 4.2 of GCC |
| ii. | Contract Period | As per NIB |
| iii. | Penalty for Non completion of work or poor quality of work | Clause 15.4 of SCC |

Signature of authorized

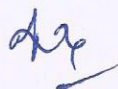
Signatory on behalf of Bidders

Date.....

Place.....

Name.....

Address



PROFORMA FOR STATEMENT OF DEVIATIONS

1. The following are the particulars of deviations from the requirements of the Bid specifications.

S. No.	Clause	Deviations	Remarks (including justification)	Price adjustment for withdrawal of each deviation/s

The following are the particulars of deviations from the requirements of the "Instruction to Bidders", "General Condition of Contract" and "Special Conditions of Contract".

S. No.	Clause	Deviations	Remarks (including justification)	Price adjustment for withdrawal of each deviation/s

Signature of Bidders

NOTE

- Where there is no deviation, the statement should be returned duly signed with an endorsement indicating 'No Deviations'.
- The Bidders shall indicate price adjustment against each deviation, which he shall like to add to the Bid price for withdrawing unconditionally his deviations if the same are unacceptable to the Employer.

dp

FORM OF PERFORMANCE SECURITY (GUARANTEE) BY BANK**(Refer Clause 27.0 of "Instructions to Bidders")**

1. This deed of Guarantee made this day of _____ 2019 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.
2. Whereas Jaipur Metro Rail Corporation limited has awarded the contract for - **"Protection Audit of MSOR & SICP RSS, MSVD & MSOR ASS and CTCP ASS of JMRC"** of Jaipur Metro Rail corporation (hereinafter called "the Contract") to M/s _____ (Name of the Contractor) (hereinafter called "the Contractor")
3. 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).
4. 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.
5. 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.
6. Performance security furnished in the form specified shall remain valid for a period of 60 days (Sixty days) beyond the date of completion of all contractual obligations of the Bidder, including warranty obligations and maintenance and defect liability period.
7. 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 Para 5, above, 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.
8. The Guarantee hereinbefore contained shall not be affected by any change in the Constitution of the Bank or of the Contractor.
9. 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 thereof shall in no way relieve the bank of their liability under this deed.
10. 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) 2019 being herewith duly authorized.

For and on behalf of the _____ Bank.



FORM - D
PAGE 2 OF 2

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



FORM OF AGREEMENT**(Refer Clause 26.0 of "Instructions to Bidders")**

This Agreement is made on the _____ day of _____ 2019 Between Jaipur Metro Rail Corporation Limited, Administrative Building, Mansarovar Depot, Bhargu Path, Mansarovar, Jaipur 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 **"Protection Audit of MSOR & SICP RSS, MSVD & MSOR ASS and CTCP ASS of JMRC"** 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
3. 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.
4. 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.
5. **OBLIGATION OF THE CONTRACTOR**
 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.



6. 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

For and on behalf of the Employer

Signature of the authorized official

Signature of the authorized official

Name of the official

Name of the official

Stamp/Seal of the Contractor

Stamp/Seal of the Contractor

SIGNED, SEALED AND DELIVERED

By the said _____

By the said _____

Name _____

Name _____

on behalf of the Contractor in the presence of
Witness _____

on behalf of the Employer in the presence of
Witness _____

Name _____

Name _____

Address _____

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.



Notes:

- (i) Attach an attested photocopy of Certificate of Registration and ownership as well as of Constitution and legal status.
1. Names of participating members
- (a)
2. Address, telephone, telefax, cable numbers
- | | |
|-------------------|---------------------------|
| Registered Office | Office for correspondence |
| (a) | |
| (b) | |
| (c) | |
3. Contract person's address, telephone etc.
- (a)
- (b)
- (c)

ds

EXPERIENCE RECORD

1. Details of contract regarding electrical works etc.

Sl. No.	Period	Details of work completed	Total Cost of work in Rs.	Remarks
(1)	(2)	(3)	(4)	(5)

Notes:

- (i) Details submitted in any other proforma will not be considered.
- (ii) The details of work including the cost of the work should be supported by self-attested copy of each client's certificates issued by an officer not below the rank of Executive Engineer.
- (iii) Additional pages may be attached if required.
- (iv) All the pages must be signed by the authorized signatory of the Bidders.



FINANCIAL DATA**(Refer Clause 8.1.1)**

Total value of Contract for Electrical Works during the period 2016-2017 to 2018-2019 and current Financial Year

No.	Description	Year 2016-2017	Year 2017-2018	Year 2018-2019	Year 2019-20(Upto the period ending last day of month previous to the one in which the Bids are invited in current financial year)
(1)	(2)	(3)	(4)	(5)	(6)
1.	Total Value of work done				



FINANCIAL DATA

(Refer Clause 8.1.1)

Name of the applicant (constituent member in case of Group)	Total number of works in hand	Number of contracts of each type		Number for which applicant went in for		Number of contracts in which date of completion given in the original has already burst	**Total value of balance works yet to be done in Rupee equivalent as on 31/03/2019		
				Arbitration	litigation		2016-2017	2017-2018	2018-2019

* Applicant should provide information on their current commitments or all contracts that have been awarded or for which a letter of intent or acceptance has been received or for contracts approaching completion but for which a completion certificate is yet to be issued.

** This figure should also include the year-wise break-up of part value of works to be executed in the two years period even if completion of such works spills over beyond this two years period.



SECTION - 4

SPECIAL CONDITIONS OF CONTRACT

Terms and Condition

1. Work shall be carried out as per guidance of engineer in-charge. All safety precaution shall be observed.
2. The contractor shall not Sub-contract/ Transfer of assign the contract to a third party.
3. Quantity may vary by +/- 25%. Or As per RTPPR
4. Some part of the work will be carried out only during non-revenue hours (night hours)/ under power block and nothing shall be paid extra for this.
5. Work under power block may be stopped in emergency at any time during exigencies for which nothing shall be paid extra.
6. Work should be carried out with the coordination of JMRC staff. All safety precaution shall be observed.
7. Coordination with other agencies other than JMRC will be the responsibility of the Contractor. However JMRC shall provide the necessary reference letters etc.
8. Any damage/breakage of the JMRC property during the execution of work will be at the risk & cost of the contractor & in this regards the JMRC decision will be final regarding amount of damage/breakage etc. The amount will be deducted from contractor's bill.
9. If any of the work is not completed property or found of poor quality penalty may be imposed up to 10% of the total cost of the contract.
10. The contractor during the execution of work shall follow the Indian Electricity rules, Indian Electricity Act & all other statutory Rules, Regulations & Act as available on date & during the period of contract.
11. Contractor shall give field/class room training to JMRC officers/ staffs in all technical aspects of testing of relays & CBs, setting of relay/CBs & other activities related to testing etc. , so that independent work may be carried out by theses trained officers/staffs in other location of DMRC.
12. The Contractor shall also provide the detailed analysis reports of testing with all technical aspects covered along with recommendation in both hard and soft copy.
13. ***The testing equipment available with JMRC i.e. CRM Kit, Time Interval testing kit, Relay Testing Kit (Secondary Injection Kit), Power Analyzer may be provided to contractor. The proper handling and use of JMRC instrument/ tools are sole responsibility of contractor. However any specialized tools required for the above mentioned work shall be arranged by Contractor. No extra cost shall be paid for this. Testing equipments should be calibrated.
14. Only authorized staff of contractor having proper Photo Identity Card issued by the contractor and with permission granted by JMRC, shall be permitted to work for Annual Contract for manpower supply for various Maintenance Activities in Electrical Maintenance section, the Contractor will have to submit the list of the Authorized staff along with a set of the Photo Identity Cards to whom permission will be required to be issued by JMRC.
15. The JMRC may make minor alterations/additions/substitutions in the specification/scope of work or issue instruction that may be deemed necessary during the period of contact and the contractor shall carry out the work in accordance with the instructions which may be given to him by authorized JMRC representative. No extra payment shall be payable on this account.
16. The contractor will ensure proper co-ordination with JMRC staff and for any query shall contract to JE/PSI –Mr. Bharat Lal Mali (7728895614) or nominated JMRC representative.
17. Contractor must ensure proper safety during work execution. Safety helmet, maintenance lights, suitable ladders, safety shoes, hand gloves etc. shall be arranged by the contractor to their workers to avoid any accident. JMRC will not be responsible for any accident/casualty during the work execution and it will be solely the responsibility of the contractor.
18. 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.
19. Contractors employees and representatives shall wear Identification Badges (cards), uniforms, helmets, gum boots other safety/protection wear as directed and to be provided by the Contractor or his representative. Badges shall identify the Contractor and show the employees name and number and shall be worn at all times while at site.
20. Contractor shall be responsible for insurance and safety of the labor involved in executing the scope of work of this BID.



Authorised Signatory

17.0 SPECIAL ATTENTION

- 17.1 The Contract will be awarded to the Bidders whose responsive Bid is determined to be the lowest evaluated Bid and who satisfies the appropriate standards of capacity and financial resources. Clause 23.0 and 24.0 of "Instructions to Bidders" may be referred to in this connection.
- 17.2 Rates should be quoted in such a way that last three digit of estimated cost of items does not match with last three digits of quoted rates of that items. This has been done to avoid tie.

18.0 SUFFICIENCY OF BID

- 18.1 The Bidders shall be entirely responsible for sufficiency of rates quoted by him in his Bid.
- 18.2 The Contractor (Successful Bidders) shall be paid for only at quoted/accepted rates for the activities given in the schedule of work "Annexure" - A.

19.0 DEDUCTIONS TO BE MADE FROM CONTRACTORS BILL

- 19.1 Tax deduction at source from each on-account progress bill shall be made by the employer as per the provisions of the statutes/acts of statutory bodies/local authorities etc.

20.0 PAYMENT

- 20.1 For the purpose of On-account payment, the contractor shall submit detailed activities carried out as per BOQ recorded in Measurement sheets, Abstract sheets along with recorded bill for the item actually executed for checking and payment. Payment will be effected based on unit rates as approved in the Bill of Quantities.
- 20.2 The payment shall be made after satisfactory completion of individual work.
- 20.3 If any work/item not carried out as per the specification of the work the proportion amount will be deducted from the bill. If the work carried out through other agency under the intimation to contractor and the charges incurred on it will be deducted from the contractor's bill..
- 20.4 The contractor shall submit necessary documents and Bill in the standard format for payment.

21.0 ADVANCES

No advances shall be paid to the Contractor

22.0 PRICE VARIATION CLAUSE

No price variation during the agreement period / extended period of agreement.

23.0 Contractor shall be solely responsible for insurance cover under the following requirements:

- a) All of the contractor staff shall have to be covered under ESI. The Contractor shall take insurance policy as specified in the workmen's compensation act for the contractor's staffs are not covered by the ESI and shall arrange ESI coverage on priority.
- b) The contractor shall insure against liability to third parties in the joint name of the Employer, and the contractor for any loss, damage, death or injury which may occur to any physical property (except things insured otherwise) or any person (except person insured by employer), staff of other contractor working in the premises, which may arise out of the performance of the contract..

24.0 Right to vary quantity –

- 1) 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.
- 2) Orders for extra items may be placed by the procuring entity in accordance with the Schedule of Powers of JMRC to the extent permitted under RTPPR 2013(up to latest amended). Orders for additional quantities may be placed, if allowed in the bidding documents, on the rates and conditions given in the contract and the original order was given after inviting open competitive bids. Delivery or completion period may also be proportionately increased.

25 Refund of Performance Guarantee –

The performance guarantee shall be refunded after two months of the completion date of work completion including warranty and other contract obligations as recorded by Engineer-in- charge.

Annexure-B

Certificate

This is certify that the information/details given at the time of Techno-Commercial Bid in the Bid document for qualification for the work of **“Protection Audit of MSOR & SICP RSS, MSVD & MSOR ASS and CTCP ASS of JMRC”** still holds good. If there is any change in the information's /details the same would be required to be submitted.

Signature of Bidders

Note:

1. If change is proposed in the personnel for the work the new personnel should be of same or higher calibers.
2. If change is proposed in the machinery and equipment for the work, the new machinery and equipment should be of same or higher capacity.
3. Irrespective of the above information as asked in various performs & otherwise in this Bid the information will have to be submitted.



Compliance with the Code of Integrity and No Conflict of Interest

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 a

Bidding 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 Agency (Authorized Signatory)

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:

Signature of bidder

Place:

Name:

Designation:

Address:



Tender Inviting Authority: ED(TRACTION AND E&M)

Name of Work: . "Protection Audit of MSOR & SICP RSS, MSVD & MSOR ASS and CTCP ASS of JMRC"

Contract No: JMRC/O&S/EL/2019-20/NIB/011

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 relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUM BER #	TEXT #	NUM BER #	TEX T #	NUMBER #	NUMBE R	NUMBER	NUMBE R #	NUMB ER #	TEXT #
SI. No.	Item Description	Qua ntity	Unit s	BASIC RATE In Figures To be entered by the Bidder Rs. P	GST %	GST Amount	TOTAL AMOUN T Without Taxes in Rs. P	TOTA L AMOU NT With Taxes	TOTAL AMOUNT In Words
1	2	4	5	13	14	15	53	54	55
1	To Carry out load flow study, short Circuit study and Relay Co-ordination with ETAP software of MSOR RSS,SICP RSS,MSVD ASS, MSOR ASS and BICP ASS	1	LOT			0.00	0.00	0.00	INR Zero Only
2	To carry out Calculation of New Relay settings of MSOR RSS, SICP RSS, MSVD ASS, MSOR ASS and BICP ASS based on DMRC approved protection philosophy.	1	LOT			0.00	0.00	0.00	INR Zero Only
3	To test all the relays at MSOR RSS, SICP RSS, MSVD ASS,MSVD FP, MSOR ASS and CDPE ASS after configuration and implementing new settings with primary and secondary injection.	1	LOT			0.00	0.00	0.00	INR Zero Only
4	To Test all the CB'S of MSOR RSS for (i) Opening Time (ii) Closing Time (iii) Contact Resistance Measurement (iv) Check Trip/closing Circuit for delayed operation	1	LOT			0.00	0.00	0.00	INR Zero Only
5	To test all the Current Transformers (CT's) of MSOR RSS for (i) Primary injection Test (ii) Knee Point Test/VA Capacity (iii) Measure CT Secondary resistance and check situation	1	LOT			0.00	0.00	0.00	INR Zero Only

6	To provide Class Room and Practical Training on fundamentals of protection schemes ,Selection Criteria of protection schemes, Relay Settings Calculation, Configuration, PSL, LED, assignment ,DR and fault data , relay communication etc.	1	LOT						
Total in Figures							0.00	0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only							

Note:-

- The Bidders shall quote the rates 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 the Corporation in addition to the above quoted bid amount.

Signature of the contractor with Seal

Above (default)

