



DELHI METRO RAIL CORPORATION LIMITED

Detailed Design Consultancy for Design of 25 kV Overhead Equipment (OHE) system for elevated line and Power Supply & SCADA for both Underground and Elevated lines including checking of Design of Receiving Substations and Design Validation of Delhi MRTS Phase-IV project.

CONTRACT PACKAGE – DEDD-01

TENDER DOCUMENTS

VOLUME 1

NOTICE INVITING TENDER (NIT)

INSTRUCTION TO TENDERERS (ITT)

FORM OF TENDER (FOT)

DELHI METRO RAIL CORPORATION LTD.

Metro Bhawan, Fire Brigade Lane,

Barakhamba Road, New Delhi –110 001

Contract DEDD-01:- Detailed Design Consultancy for Design of 25 kV Overhead Equipment (OHE) system for elevated line and Power Supply & SCADA for both Underground and Elevated lines including checking of Design of Receiving Substations and Design Validation of Delhi MRTS Phase-IV project..

CONTRACT NO: DEDD-01

TENDER DOCUMENTS

VOLUME 1

NOTICE INVITING TENDER

NOTICE INVITING TENDER (NIT)

1.1 GENERAL

1.1.1 Name of Work:

Delhi Metro Rail Corporation (DMRC) Ltd. invites Open e-Tenders on international competitive bidding (ICB) basis from eligible applicants from all countries and all areas, who fulfil qualification criteria as stipulated in clause 1.1.3 of NIT, for the scope:

“Contract DEDD-01:- Detailed Design Consultancy for Design of 25 kV Overhead Equipment (OHE) system for elevated line and Power Supply & SCADA for both Underground and Elevated lines including checking of Design of Receiving Substations and Design Validation of Delhi MRTS Phase-IV project.” for following corridors / lines:

S. No.	Corridor Details	Length of Corridor	Underground		Elevated	
			Stations	ROCS (KM)	Stations (E)	FOCS (KM)
1.	Janakpuri West to R.K. Ashram	29.11	07	7.23	14	21.88
2.	MajlisPark –Maujpur	12.54	–	–	08	12.54
3.	Terminal1, IGI Airport to Tughlakabad	20.01	12	15.05	04	4.96
4.	Inderlok to Indraprastha	12.58	07	11.28	01	1.30
5.	Lajpat Nagar to Saket-G Block	7.96	–	–	07	7.96
6.	Rithala-Bawana-Narela	21.73	–	–	15	21.73
	TOTAL	103.93	26	33.56	49	70.37

Corridors at Sr. No. 1, 2 & 3 are approved by Government of India. The other three corridors i.e. at Sr. No. 4, 5 & 6 are likely to be approved shortly. NTP (Notice to proceed) for these corridors at Sr. No. 4, 5 & 6 will be issued separately after their approval by Government of India.

The tender evaluation and comparison shall be done separately for following two cases:-

Case (i) - 3 approved corridors combined.

Case (ii) - All the six corridors combined.

In case the lowest bidder (L-1) for both cases i.e. **Case (i)** and **Case (ii)** is same, LOA will be issued for all 6 corridors and NTP for 3 unapproved corridors will be issued to L-1 bidder later separately after approval of these corridors by Government of India. There will be no escalation of cost if NTP for balance corridors is issued within 1 year from the date of LOA. For issue of NTP after 1 year up to 2 year of issue of LOA, the quoted rate will be escalated @ 5%. If NTP is not issued up to 2 years of issue of LOA, these corridors will be considered removed from the scope and fresh tender for these corridors may be floated.

In case the lowest bidders (L-1) for **Case (i)** and **Case (ii)** are different, LOA will be issued to L-1 bidder for 3 approved corridors only. The fresh tender for 3 unapproved corridors will be floated at appropriate time.

1.1.2 Key details:-

Approximate cost of work	INR 13.38 Crores
Tender Security amount	<p>Amount of Tender Security:- INR 13.38 Lakhs</p> <p>Validity of Tender Security :- 16.05.2020 in case of BG/FDR/TDR</p> <p>Tender Security (in original) as per clause C18 of ITT shall be accepted only up to 19.09.2019 (latest by 15:00 hrs) in the office of CGM/Contracts at the address mentioned hereinafter.</p> <p>In case of RTGS/NEFT/IMPS transactions, bidders shall upload the scanned copies of transaction of payment of tender security / EMD including e-receipt (clearly indicating UTR No. and tender reference i.e. DEDD-01 must be entered in remarks at the time of online transaction of payment, failing which payment may not be considered) to be uploaded in online bid submission. The detail of bank account of DMRC is mentioned below this table.</p> <p><u>Note: Bidders to note that the payment of tender security shall be made from the account of bidder only. However, in case of JV/ Consortium, the tender security can either be paid from JV/Consortium account or one of the constituent member of JV/Consortium.</u></p> <p><u>If tender security has been made from other than the account mentioned above, same shall not be accepted and all such bids shall be considered ineligible and summarily rejected.</u></p> <p>For further details, clause C18 of ITT may be referred.</p>
Completion period of the Work	48 (Forty Eight Months)
Tender documents on sale	<p>From 20.08.2019 (0900 hrs) to 19.09.2019 (up to 1500 hrs) on e-tendering portal https://eprocure.gov.in/eprocure/app.</p> <p>Tender document can only be obtained online after registration of tenderer on the website https://eprocure.gov.in/eprocure/app. For further information in this regard bidders are advised to contact on 0120-4200 462, 0120-4001 002/5 or 011-23417910/12.</p>
Cost of Tender documents	<p>INR 23,600/- (inclusive of 18% GST) Non-Refundable (Payment of tender document cost/ tender fee is to be made only by RTGS, NEFT & IMPS). No other mode of payment will be accepted. The detail of bank account of DMRC is mentioned below.</p> <p>Bidders shall upload the scanned copies of transaction of payment of tender document cost/tender fee including e-receipt (clearly indicating UTR No. and tender reference i.e. DEDD-01 must be entered in remarks at the time of online transaction of payment, failing which payment may not be considered) to be uploaded in online bid submission. The detail of bank account of DMRC is mentioned below this table.</p> <p>(Copy of GST registration no. to be provided along with Tender document cost/ tender fee)</p>

Contract DEDD-01:- Detailed Design Consultancy for Design of 25 kV Overhead Equipment (OHE) system for elevated line and Power Supply & SCADA for both Underground and Elevated lines including checking of Design of Receiving Substations and Design Validation of Delhi MRTS Phase-IV project.

Last Date of Seeking Clarifications	27.08.2019 up to 17:00 hrs. Queries/clarifications from bidders after due date and time shall not be acknowledged.			
Pre-bid Meeting	28.08.2019 at 11:00 hrs			
Last date of issuing addendum (if any)	06.09.2019			
Date & time of Submission of Tender online	Tender submission start date: 12.09.2019 (0900 hrs) Tender submission end date: 19.09.2019 (1500 hrs)			
Date & time of opening of Tender online	20.09.2019 at 1500 hrs.			
<ul style="list-style-type: none"> • Authority for purchase of tender documents, seeking clarifications and submission of completed tender documents • Place of pre-bid meeting 	Chief General Manager/ Contracts, Delhi Metro Rail Corporation, 5 th floor, A-Wing, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi –110 001 email id: - gmcontracts@dmrc.org			
To facilitate payment of Tender Fee and Tender Security through RTGS, NEFT & IMPS, the details of bank account of DMRC is mentioned below:				
Name of Bank	Bank's Address	Account Name & No.	Account Type	IFSC Code
ICICI Bank	9A, Phelps Building, Connaught Place, New Delhi – 110001	DMRC Ltd. Tender Cell A/C, 000705045337	Current	ICIC0000007

1.1.3 QUALIFICATION CRITERIA:

1.1.3.1 Eligible Applicants:

- i. The tenders for this contract will be considered only from those tenderers (proprietorship firms, partnerships firms, companies, corporations, consortia or joint ventures) who meet requisite eligibility criteria prescribed in the sub-clauses of Clause 1.1.3 of NIT. In the case of a JV or Consortium, all members of the Group shall be jointly and severally liable for the performance of whole contract.
- ii. (a) A non-Indian firm is permitted to tender only in a joint venture or consortium arrangement with any other Indian firm having minimum participation interest of 26% or their wholly owned Indian subsidiary registered in India under Companies Act-1956 with minimum 26% participation.
- (b) A tenderer shall submit only one bid in the same tendering process, either individually as a tenderer or as a partner of a JV/Consortium. A tenderer who submits or participates in,

more than one bid will cause all of the proposals in which the tenderer has participated to be disqualified. No tenderer can be a subcontractor while submitting a bid individually or as a partner of a JV/Consortium/Association in the same bidding process. A tenderer, if acting in the capacity of subcontractor in any bid, may participate in more than one bid, but only in that capacity.

- iii. Tenderers shall not have a conflict of interest. All Tenderers found to have a conflict of interest shall be disqualified. Tenderers shall be considered to have a conflict of interest with one or more parties in this bidding process, if:
- (a) a tenderer has been engaged by the Employer to provide consulting services for the preparation related to procurement for / on implementation of the project;
 - (b) a tenderer is any associates/affiliates (inclusive of parent firms) mentioned in subparagraph (a) above; or
 - (c) a tenderer lends, or temporarily seconds its personnel to firms or organisations which are engaged in consulting services for the preparation related to procurement for / or implementation of the project, if the personnel would be involved in any capacity on the same project.
- iv. The payment of the tender cost is acceptable from any account. However, tenderer shall submit such transaction details along with their tender submission on e-portal. If the same transaction reference number has been submitted for more than one bids, all such bids shall be considered ineligible and summarily rejected.
- v.(a) DMRC/ any other Metro Organisation (100% owned by Govt.) / Ministry of Housing & Urban Affairs / Order of Ministry of Commerce, applicable for all Ministries must not have banned business with the tenderer (including any member in case of JV/consortium) as on the date of tender submission. The tenderer should submit undertaking to this effect in **Appendix-19** of Form of Tender.
- v.(b) Also no contract of the tenderer of the value more than 10% of NIT cost of work, executed either individually or in a JV/Consortium, should have been rescinded / terminated by DMRC / any other Metro Organisation (100% owned by Govt.) after award during last 03 years (from the last day of the previous month of tender submission) due to non-performance of the tenderer or any of JV/Consortium members. The tenderer should submit undertaking to this effect in **Appendix-19** of Form of Tender.
- v.(c) The overall performance of the tenderer (all members in case of JV/consortium separately) shall be examined for all the ongoing DDC works awarded by DMRC/ any other Metro Organisation (100% owned by Govt.) of value more than 40% of NIT cost of work and also for all the completed DDC works awarded by DMRC/ any other Metro Organisation (100% owned by Govt.) within last one year (from the last day of the previous month of tender submission), of value more than 40% of NIT cost of work, executed either individually or in a JV/Consortium. The tenderer shall provide list of all such works in the prescribed Performa given in **Appendix-19A** of the Form of Tender. The tenderer (all members in Case of JV/Consortium separately) may either submit

satisfactory performance Certificate issued by the Client/ Employer for the works or give an undertaking regarding satisfactory performance of the work with respect to completion of work/execution of work (for ongoing works) falling which their tender submission shall not be evaluated and the tenderer shall be considered non-responsive and non-compliant to the tender conditions. In case of non-submission of either satisfactory performance Certificate from Client /Employer or undertaking of satisfactory performance of any of the above work, the performance of such work shall be treated as unsatisfactory while evaluating the overall performance of tenderer in terms of Note (b) of **Appendix-19A**. In case of performance certificate issued by the client, same should not be older than three month (from the last day of the previous month of tender submission) for on-going works. **In case the tenderer does not have any work falling in above criteria, his performance will not be judged unsatisfactory.**

- v.(d) Tenderer (including any member in case of JV/consortium) for the works awarded by DMRC/ any other Metro Organisation (100% owned by Govt.) must have been neither penalised with liquidated damages of 10% (or more) of the contract value due to delay nor imposed with penalty of 10% (or more) of the contract value due to any other reason in any DDC works of value more than 10% of NIT cost of work, during last three years. The tenderer should submit undertaking to this effect in **Appendix-20** of Form of Tender.
- v.(e) If the tenderer or any of the constituent 'substantial member(s)' of JV/Consortium does not meet the criteria stated in the Appendix 19 or Appendix 19A or Appendix 20, the tenderer including the constituent 'substantial member(s)' of JV/Consortium shall be considered ineligible for participation in tender process and they shall be considered ineligible applicants in terms Clause 1.1.3.1 of NIT.
- v.(f) If there is any misrepresentation of facts with regards to undertaking submitted vide Appendix-19, or performance in any of the works reported in the Appendix 19A, or undertaking submitted vide Appendix-20, the same will be considered as "fraudulent practice" under Clause 37.33.1 a (ii) of GCC and the tender submission of such tenderers will be rejected besides taking further action as per Clause 37.33.1 (b) & 38.3 of GCC.
- vi. Tenderer (any member in case of JV/consortium) must not have suffered bankruptcy/ insolvency during the last 5 years. The tenderer should submit undertaking to this effect in **Appendix-21** of Form of Tender.
- vii. LEAD PARTNER/ NON SUBSTANTIAL PARTNERS/ CHANGE IN JV/CONSORTIUM
- (a) Lead partner must have a minimum of 26% participation in the JV/Consortium. Each other partners should have a minimum of 20% participation in the JV/Consortium. **The lead partner in case of JV shall be the one who has experience of executing at least one "similar work" of value of INR 5.35 crore or more as defined in clause 1.1.3.2.A.I of NIT.**
- (b) Partners having less than 26% participation will be termed as non-substantial

partner and will not be considered for evaluation which means that their financial soundness and work experience shall not be considered for evaluation of JV/Consortium. However, in this tender for ~~Civil/ Electrical DDC works/ Signaling/ Tracks & Other System Works~~ **, a Joint Venture / Consortium to qualify, each of its partner (including non-substantial partners) must have experience of executing at least one ~~Civil/ Electrical DDC work/ Signaling / Tracks & Other System Work~~** of minimum 20% of NIT value in last 07 years. ** *Strike whichever are not applicable* The tenderer shall submit details of above works in the Performa of Appendix-17 & 17A of FOT etc. as per Notes b), c), d) & g) of Clause 1.1.3.2.A of NIT.

- (c) In case of JV/Consortium, change in constitution or percentage participation shall not be permitted at any stage after their submission of bids. In case of changes during tendering stage, the bid shall be treated as non-responsive.
- (d) The tenderer, in case of JV/Consortium, shall clearly and unambiguously define the role and responsibilities for each substantial/non-substantial partner in the JV agreement/ MOU submitted vide foot note (d) of **Appendix 6** of Form of Tender, providing clearly that any abrogation/subsequent re-assignment of any responsibility by any substantive/ non-substantive partner of JV/Consortium in favour of other JV/Consortium partner or any change in constitution of partners of JV/Consortium (without written approval of Employer) from the one given in JV agreement /MOU at tender stage, will be treated, as 'breach of contract condition' and/or 'concealment of facts' (as the case may be), vide GCC clause 37.33.1 [a (ii) and (iii)] and acted accordingly.
- (e) The Employer in such cases, may in its sole discretion take action under clause 37.33.1 (b) and (c) of GCC against any member(s) for failure in tenderer's obligation and declare that member(s) of JV/Consortium ineligible for award of any tender in DMRC or take action to terminate the contract in part or whole under clause 38 of GCC as the situation may demand and recover the cost/damages as provided in contract.

viii. Participation by Subsidiary Company / Parent Company with credential of other Company

- a) Applicant in the capacity of a Subsidiary Company as a single entity is not permitted to use the credential of its Parent Company and/or its Sister Subsidiary Company/ Companies unless the Applicant participates in tender as JV/Consortium with its Parent Company and/or its Sister Subsidiary Company/ Companies as a member(s) in JV with minimum 26% participation each (as substantial member) for such member(s).
- b) Applicant in the capacity of a Parent Company as a single entity is not permitted to use the credential of its Subsidiary Company/ Companies unless the Applicant participates in tender as JV/Consortium with its Subsidiary Company/ Companies as a member(s) in JV with minimum 26% participation each (as substantial member) for such member(s).

ix. Purchase Preference to Local Suppliers/Preference to Make In India:

a) Definitions:

- i. 'Local content' means the amount of value added in India which shall be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all custom duties) as a proportion of the total value, in percent. Minimum local content shall be **50%** for the subject tender.
- ii. 'Local Supplier' means a supplier or service provider whose product or service offered for procurement meets the minimum local content as prescribed at sr. no. i. above.
- iii. 'L1' means the lowest tender or lowest bid received in a tender, bidding process or other procurement solicitation as adjudged in the evaluation process as per the tender or other procurement solicitation.
- iv. 'Margin of purchase preference' means the maximum extent to which the price quoted by a local supplier may be above the L1 for the purpose of purchase preference. Margin of purchase preference shall be **10%** for the subject tender.

b) Procedure for Purchase Preference in procurement of goods or works which are divisible in nature: NOT APPLICABLE FOR THE SUBJECT TENDER

- i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract for full quantity will be awarded to L1.
- ii. If L1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the local suppliers, will be invited to match the L1 price for the remaining 50% quantity subject to the local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such local supplier subject to matching the L1 price.
- iii. In case such lowest eligible local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly.
- iv. In case some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.

c) Procedure for Purchase Preference in procurement of goods or works which are not divisible in nature and in procurement of services where the bid is evaluated on price alone: APPLICABLE FOR THE SUBJECT TENDER

- i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract will be awarded to L1.
- ii. If L1 is not from a local supplier, the lowest bidder among the local suppliers, will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L1 price.
- iii. In case such lowest eligible local supplier fails to match the L1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly.
- iv. In case none of the local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.

d) Minimum local content and verification of local content:

- i. The local supplier at the time of tender shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.
- ii. In case of procurement for a value in excess of Rs. 10 crores, the local supplier shall be

required to provide a certificate from the statutory auditor or cost auditor of the company or from a practising cost accountant or practising chartered accountant giving the percentage of local content after completion of works to the Engineer.

- iii. If any false declaration regarding local content is found, the company shall be debarred for a period of three years from participating in tenders of all metro rail companies.
- iv. Supplier/bidder shall give the details of the local content in a format attached as **Appendix-23** and **Appendix-24** of FOT duly filled to be uploaded along with the technical bid. In case, bidder do not upload **Appendix-23** and **Appendix-24** of FOT duly filled along with their technical bid, local content shall be considered as 'Nil' in tender evaluation.

e) Complaints relating to implementation of Purchase Preference

- i. Fees for such complaints shall be Rs. 2 Lakh or 1% of the value of the local item being procured (subject to maximum of Rs. 5 Lakh), whichever is higher. In case the complaint is found to be incorrect, the complaint fee shall be forfeited. In case, the complaint is upheld and found to be substantially correct, deposited fee of the complainant would be refunded without any interest.

1.1.3.2 Minimum Eligibility Criteria:

A. Work Experience:

- I. The Tenderers will be qualified only if they have successfully completed work(s), completion date(s) of which falling during last seven years ending last day of the month previous to the month of tender submission as given below:

- i. At least One “**similar work**” of value of **INR 10.70 Crore** or more.

OR

- ii. Two “**similar works**” each of value of **INR 6.69 Crore** or more.

OR

- iii. Three “**similar works**” each of value of **INR 5.35 Crore** or more.

The **similar nature of work** shall involve Detailed design of any one of the following major activities or a combination of these:-

- (i) 25kV AC Flexible OHE.
- (ii) 220 /132/110/66/33/25/11/0.415 kV AC or higher substations.
- (iii) SCADA.

- II. **Additional work experience:** The tenderer should have designed for construction purpose during last seven years ending last day of the month previous to the month of tender submission:

- At least 25 Rkm of 25 kV OHE works on viaduct / long-bridges or on other mainlines / sub urban sections.

and

- 220/132/110/66/33/25/11/0.415 kV AC or higher substations.

and

- SCADA works for tractions and power supply in any railway/metro/suburban systems.

- III. If the tenderer is a JV/Consortium having foreign partner(s) and above work(s) have been executed by the foreign partner of the JV/Consortium and the work(s) were done in the country of the foreign partner, then in addition to this the foreign partner must have executed works (which need not be similar in nature) of total put together of value **INR 5.35 Crore** or more outside the country of the foreign partner.

Notes:

- a) Work experience of only substantial partner (partner with share of 26% or more in the JV / Consortium) shall be considered for evaluating of JV/Consortium.
- b) The tenderer shall submit details of works executed by them in the Performa prescribed in Appendix-17 & 17A of FOT for the works to be considered for qualification of work experience criteria. Documentary proof such as completion certificates from client clearly indicating the nature/scope of work, actual completion cost and actual date of completion for such work should be submitted. **The offers submitted without this documentary proof shall not be evaluated.** In case the work is executed for private client, copy of work order, bill of quantities, bill wise details of payment received certified by C.A., T.D.S certificates for all payments received and copy of final/last bill paid by client shall be submitted.
- c) Only fully completed works during last seven years ending last day of the month previous to the month of tender submission shall be taken into consideration for meeting work experience criteria.
- d) For fully completed works, value of work done shall be updated to last day of the month previous to the month of tender submission price level assuming 5% inflation for Indian Rupees every year and 2% for foreign currency portions per year. The exchange rate of foreign currency shall be applicable 28 days before the submission date of tender.
- e) In case of joint venture / Consortium, full value of the work, if done by the same joint venture shall be considered. However, if the qualifying work(s) were done by them in JV/Consortium having different constituents, then the value of work as per their percentage participation in such JV/Consortium shall be considered.
- f) If the above work(s) i.e. "similar work" - comprise(s) other works, then client's certificate clearly indicating the amount of work done in respect of the "similar work" shall be furnished by the tenderer in support of work experience along-with their tender submissions.
- g) Only work experience certificate having stamp of Name and Designation of officer along with the Name of client shall be considered for evaluation. However, if any work experience certificate has been issued prior to 01.07.2019, same shall be considered for evaluation even if it is not stamped.

B. Financial Standing: The Tenderers will be qualified only if they have minimum financial capabilities as below:

- i) **T1-Liquidity:** It is necessary that the firm can withstand cash flow that the contract will require until payments received from the Employer. Liquidity therefore becomes an important consideration.

This shall be seen from the balance sheets and/or from the banking reference. Net current assets and/or documents including banking reference (as per Performa given in **Annexure-8** of ITT), should show that the applicant has access to or has available liquid assets, lines of credit and other financial means to meet cash flow of **INR 47.79 Lakhs** for this contract, net of applicant's commitments for other Contracts. Banking reference should contain in clear terms the amount that bank will be in a position to lend for this work to the applicant/member of the Joint Venture/Consortium. In case the Net Current Assets (as seen from the Balance Sheets) are negative, only the Banking references will be considered. Otherwise the aggregate of the Net Current Assets and submitted Banking references will be considered for working out the Liquidity.

The banking reference should be from a Scheduled Bank in India or (in case of foreign parties) from an international bank of repute acceptable to DMRC and it should not be more than 3 months old as on date of submission of bids.

In Case of JV/consortium- Requirement of liquidity is to be distributed between members as per their percentage participation and every member should satisfy the minimum requirement.

Example: Let member-1 has percentage participation=M and member-2 has percentage participation=N.

If minimum liquidity required is 'W' then liquidity of member-1 $\frac{W M}{100}$

and liquidity of member-2 $\frac{W N}{100}$

- ii) **T2 - Profitability:** Profit before Tax should be **Positive in at least 2 (two) years**, out of the last five audited financial years.

In Case of JV/Consortium: The profitability of only lead member shall be evaluated.

- iii) **T3 - Net Worth:** Net Worth of tenderer during last audited financial year should be **≥INR 66.90 Lacs**

In Case of JV/Consortium- Net worth will be based on the percentage participation of each Member.

Example: Let Member-1 has percentage participation = M and Member-2 has =N. Let the Net worth of Member-1 is 'A' and that of Member-2 is 'B', then the Net worth of JV/Consortium will be

$$= \frac{AM+BN}{100}$$

- iv) **T4 - Annual Turnover:** The average annual turnover of last five financial years should be **≥ 2.68 Crore.**

The average annual turnover of JV will be based on percentage participation of each member.

Example: Let Member-1 has percentage participation = M and Member - 2 has =N. Let the average annual turnover of Member-1 is 'A' and that of Member-2 is 'B', then the average annual turnover of JV/JVA/Consortium will be

$$= \frac{AM+BN}{100}$$

Notes :

- a) Financial data for latest last five audited financial years has to be submitted by the tenderer in **Appendix-18 of FOT** along with audited balance sheets. The financial data in the prescribed format shall be certified by Chartered Accountant with his stamp and signature in original with membership number and firm registration number. In case audited balance sheet of the last financial year is not made available by the bidder, he has to submit an affidavit certifying that 'the balance sheet has actually not been audited so far'. In such a case the financial data of previous '4' audited financial years will be taken into consideration for evaluation. If audited balance sheet of any year other than the last year is not submitted, the tender may be considered as non-responsive.
- b) Where a work is undertaken by a group, only that portion of the contract which is undertaken by the concerned applicant/member should be indicated and the remaining done by the other members of the group be excluded. This is to be substantiated with documentary evidence.

1.1.3.3 Bid Capacity Criteria:

Bid Capacity: The tenderers will be qualified only if their available bid capacity is more than the approximate cost of work as per NIT. Available bid capacity will be calculated based on the following formula:

$$\text{Available Bid Capacity} = 2 * A * N - B$$

Where,

A = Maximum of the value of DDC works executed in any one year during the last five financial years (updated to last day of the month previous to the month of tender submission price level assuming 5% inflation for Indian Rupees every year and 2% for foreign currency portions per year).

N = No. of years prescribed for completion of the work

B = Value of existing commitments (as on last day of the month previous to the month of tender submission) for on-going DDC works during period of **48 months** w.e.f. from the first day of the month of tender submission.

Notes:

- a) Financial data for latest last five financial years has to be submitted by the tenderer in **Appendix-15 of FOT** along with audited financial statements. The financial data in the prescribed format shall be certified by the Chartered Accountant with his stamp and signature in original with membership number and firm registration number.
- b) Value of existing commitments for on-going DDC work during period of **48 months** w.e.f. from the first day of the month of tender submission has to be submitted by the tenderer in **Appendix-16 of FOT**. These data shall be certified by the Chartered Accountant with his stamp and signature in original with membership number and firm registration number.
- c) In the case of a group, the above formula will be applied to each member to the extent of his proposed participation in the execution of the work. If the proposed %age participation is not mentioned then equal participation will be assumed.

Example for calculation of bid capacity in case of JV / Group

Suppose there are 'P' and 'Q' members of the JV / group with their participation in the JV / group as 70% and 30% respectively and available bid capacity of these members as per above formula individually works out 'X' and 'Y' respectively, then Bid Capacity of JV / group shall be as under:

$$\text{Bid Capacity of the JV / group} = 0.7X + 0.3Y$$

1.1.3.3.1 The tender submission of tenderers, who do not qualify the minimum eligibility criteria & bid capacity criteria stipulated in the clauses 1.1.3.2 to 1.1.3.3 above, shall not be considered for further evaluation and therefore rejected. The mere fact that the tenderer is qualified as mentioned in sub clause 1.1.3.2 to 1.1.3.3 shall not imply that his bid shall automatically be accepted. The same should contain all technical data as required for consideration of tender prescribed in the ITT.

In case of mismatch in financial data in the submitted documents i.e in Chartered Accountant certified documents and data in audited balance sheet, the data from the audited balance sheets shall prevail.

1.1.3.4 Minimum Key Staff requirement –

The tenderer should be able to mobilize a project team as per the Educational/professional profile given in the Annexure-3 of ITT.

Project Organization should be as under:

S. No.	Description	Requirement (in nos.)	Experience Required	Minimum Time Period of Deployment (Man month)
1	Chief Project Manager	1	10 Years	D+36
2	Design Engineer (OHE)	1	8 years in 25 kV OHE	D+6
3	Design Engineer (PSI*& Distribution)	1	8 Years in PSI	D+6
4	Design Engineer (SCADA)	1	5 Years in SCADA	D+6
5	Civil & Structural Engineer	1	5 Years in Civil	D+6
6	Supporting Staff	As required		

*PSI--- Power Supply Installation

D- Design Period: Till the completion of activities 01 to 9(a) in Appendix C (Schedule of Payment) of Volume-4 (Financial Package).

1.1.4 The Tender documents consist of:

Volume 1

- Notice Inviting Tender
- Instructions to Tenderers (including Annexures)
- Form of Tender (including Appendices)

Volume 2

- General Conditions of Contract
- Special Conditions of Contract

Volume 3

- Scope of Work
- Outline Design Criteria

Volume 4

- Financial Package

1.1.5 The Tenderers may obtain further information/ clarification, if any, in respect of these tender documents from the office of **Chief General Manager/Contracts**, Delhi Metro Rail Corporation, 5th floor, 'A' Wing, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi –110 001.

1.1.6 All tenderers are hereby cautioned that tenders containing any material deviation or reservations as described in Clause. **E 4.0** of "Instructions to Tenderers" and/or minor deviation without quoting the cost of withdrawal shall be considered as non-responsive and is liable to be rejected.

1.1.7 The intending Tenderers must be registered on e-tendering portal <https://eprocure.gov.in/eprocure/app>. Those who are not registered on the e-tendering portal

shall be required to get registered beforehand. If needed they can be imparted training on 'online tendering process'. After registration, the tenderer will get user id and password. On login, tenderer can participate in tendering process and can witness various activities of the process.

- 1.1.8 The authorized signatory of intending tenderer, as per Power of Attorney (POA), must have valid class-II or Class-III digital signature. The tender document can only be downloaded or uploaded using class-II or Class-III digital signature of the authorized signatory. However, the tenderer shall upload their tender on <https://eprocure.gov.in/eprocure/app> using class-II or class-III digital signature of the authorized signatory only.
- 1.1.9 Tender submissions shall be done online on <https://eprocure.gov.in/eprocure/app> after uploading the mandatory scanned documents towards cost of tender documents (in the form of Demand Draft or Pay Order or Banker's Cheque from a Scheduled commercial bank based in India) and towards Tender Security (in the form of Bank Guarantee or Demand Draft or Pay Order or Banker's Cheque or FDR from a Scheduled commercial bank based in India) and other documents as stated in the tender document. Instructions for on-line bid submission are furnished hereinafter
- 1.1.10 Tender submissions shall be done online on <https://eprocure.gov.in/eprocure/app> after uploading the mandatory scanned documents towards cost of tender documents such as scanned copies of transaction of payment i.e. RTGS, NEFT & IMPS and towards Tender Security such as Bank Guarantee or Demand Draft or Pay Order or Banker's Cheque from a Scheduled commercial bank based in India or scanned copies of transaction of payment i.e. RTGS, NEFT & IMPS (and other documents as stated in the tender document. Instructions for on-line bid submission are furnished hereinafter.
- 1.1.11 Tenders shall be valid for a period of **180 days** (both days inclusive i.e. the date of submission of tenders and the last date of period of validity of the tender) from the date of submission of Tenders and shall be accompanied with a tender security of the requisite amount as per clause C18 of ITT.
- 1.1.12 DMRC reserves the right to accept or reject any or all proposals without assigning any reasons. No tenderer shall have any cause of action or claim against the DMRC for rejection of his proposal.
- 1.1.13 Tenderers are advised to keep in touch with e-tendering portal <https://eprocure.gov.in/eprocure/app> for updates.
- 1.1.14 For any complaints tenderers may contact CVO DMRC at 1st floor A-Wing, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi –110001, [Tel:011-23418406](tel:011-23418406), Email: cvodmrc@gmail.com.

**Chief General Manager/Contracts
Delhi Metro Rail Corporation Ltd.**

Instructions for Online Bid Submission:

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

REGISTRATION

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link **“Online bidder Enrolment”** on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG

formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

- 1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) **Tender fee / Tender document cost:** Bidder has to select the instrument type & enter the details of transaction of payment of tender fee / tender document cost done by RTGS / NEFT / IMPS as applicable and upload copy of transaction receipt as documentary proof for payment for further details tenderer may refer clause C18.1.1 of ITT.
- 4) **Tender Security / Earnest Money Deposit (EMD):** Bidder should submit the EMD/Tender Security as per the instructions specified in C18 of ITT in the tender document.
- 5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- 6) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 9) Upon the successful and timely submission of bids (ie after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

Contract DEDD-01:- Detailed Design Consultancy for Design of 25 kV Overhead Equipment (OHE) system for elevated line and Power Supply & SCADA for both Underground and Elevated lines including checking of Design of Receiving Substations and Design Validation of Delhi MRTS Phase-IV project.

- 10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.
- 3) For any technical related queries please call at 24 x 7 Help Desk Number 0120- 4200462, 0120-4001002, 0120-4001005, 0120-6277787. International Bidders are requested to prefix 91 as country code.

E-Mail: Technical - support-eproc(at)nic(dot)in