



DELHI METRO RAIL CORPORATION LIMITED

(A Joint Venture of Govt. of India & GNCTD)
MASS RAPID TRANSPORT SYSTEM – PHASE III

DESIGN, SUPPLY, ERECTION, TESTING & COMMISSIONING FOR SHIFTING, MODIFICATION & RAISING THE HEIGHT OF 220KV D/C TRANSMISSION LINE OF DTL USING STEEL MONOPOLE STRUCTURES FOR CONSTRUCTION OF F.O.B NEAR SARITA VIHAR METRO STATION.

CONTRACT: CE/UD/T- 46

TENDER DOCUMENTS

VOLUME – 1

**NOTICE INVITING TENDER
INSTRUCTION OF TENDERERS
FORM OF TENDER**

DELHI METRO RAIL CORPORATION LTD.
5th Floor, A-Wing, Metro Bhawan, Fire Brigade Lane,
Barakhamba Road, New Delhi –110 001

CONTENTS

CLAUSE	DESCRIPTION	PAGE NO.
NOTICE INVITING TENDER		
1.1	General	1
1.1.1	Name of Work	1
1.1.2	Key Details	1
1.1.3	Qualification Criteria	2
1.1.4	Tender Documents	5
INSTRUCTIONS TO THE TENDERER		
A General		
A1	General Description of the Work	8
A2	Source of Funds	10
A3	Eligible Tenderers	10
A4	Qualification of the Tenderer	10
A5	One Tender per Tenderer	11
A6	Cost of Tendering	11
A7	Site Visits	11
B Tender Documents		
B1	Contents of Tender Documents	11
B2	Content of Supporting Documents	12
B3	Clarification of Tender Documents	12
B4	Amendment of Tender Documents	13
C Preparation of Tenders		
C1	Language	13
C2	Documents Comprising the Tender	13
C3	Form of Tender	17
C4	Outline Quality Plan	17
C5	Outline Safety, Health and Environment Plan	17
C6	Tenderer's Technical Proposals	17
C7	Not used (Designer)	17
C8	Tender Programme and Proposed Design Submission Programme	17
C9	Manufacture, Installation and Construction Method Statement	18
C10	Payment Schedule	18
C11	Sub-Contracts	18
C12	Staffing Schedule and Related Details	18
C13	Contractor's Equipment	19
C14	Proposals for Use and Reinstatement of Works Areas	19
C15	Pricing Document	19

C16	Currencies of Tender and Payment	19
C17	Tender Validity	19
C18	Tender Security	19
C19	Performance Guarantees	20
C20	Labour	20
C21	Other Contractors	21
C22	Insurance	21
C23	Tender Index	21
C24	Pre tender Meeting	21
C25	Format and Signing of Tender	21
C26	Instructions Regarding Online Bid Submission	22
D Submission of Tenders		
D1	Sealing and Marking of Tenders	23
D2	Late or Delayed Tenders	23
D3	Modification, Substitution and Withdrawal of Tenders	24
E Tender Opening and Evaluation		
E1	Tender Opening	24
E2	Confidentiality of Tender Information and Copyright	25
E3	Clarification of Tenders	25
E4	Evaluation of Tenders	25
E5	Evaluation of Financial Proposals	26
E6	Indigenisation	28
F Award of Contract		
F1	Award	28
F2	Employer's Right to accept any Tender and Reject any or all Tenders	28
F3	Notification of Award	28
F4	Signing of Agreement	29
F5	Performance Security	29
Annexure to Instructions to Tenderers		
Annexure 1	Requirements for Tenderer's Technical Proposals	30
Annexure 2	Requirements for Tender Programme	33
Annexure 3	Resource proposed for the project personnel	34
Annexure 4	Minimum organisation structure required	35
Annexure 5	Resources proposed for project plant & equipment	36
Annexure 6	Form of Bank Guarantee for tender Security	37
Annexure 7	Form of Performance Security (Guarantee) by Bank	39
Annexure 8	Form of Additional Bank Guarantee by Bank	41
Annexure 9	Proforma for Banking Reference for Liquidity	43
Annexure 10	Undertaking for downloaded tender document	44

FORM OF TENDER

Form of Tender	45
Appendix 1 – Contract Conditions	49
Appendix 2 – Manufacturer's Authorization Certificate	51
Appendix 3 – Outline Quality Plan	52
Appendix 4 – Outline Safety, Health and Environment Plan	53
Appendix 5 – Tenderer's Technical Proposals	54
Appendix 6 – General Information about the Tenderer	55
Appendix 7 – Staffing Schedules and Organisation Chart	57
Appendix 8 – Schedule of Components Manufactured Offshore	58
Appendix 9 – Tender Index	59
Appendix 10 – Resources Proposed for the Project-Plants & Equipments	60
Appendix 11 – Undertaking For Corrupt & Fraudulent Practice	61
Appendix 12 – Copyright Undertaking	62
Appendix 13 – Performa for Statement of Minor Deviation	63
Appendix 14 – Tentative Project Implementation Programme	64
Appendix 15 – Financial Data (Construction Work Done)	65
Appendix 16 – Financial Data (Commitment for Ongoing Works)	66
Appendix 17 – Work Experience	67
Appendix 17A – Summary of information provided in Appendix 17	68
Appendix 18 – Financial Data (Financial Standing)	69

NOTICE INVITING e-TENDER (NIT)

1.1 GENERAL

1.1.1 Name of Work:

Delhi Metro Rail Corporation (DMRC) Ltd. invites sealed online open tenders from eligible applicants, who fulfill qualification criteria as stipulated in Clause 1.1.3 of NIT, for the work “**Contract CE/UD/T- 46: DESIGN, SUPPLY, ERECTION, TESTING & COMMISSIONING FOR SHIFTING, MODIFICATION & RAISING THE HEIGHT OF 220KV D/C TRANSMISSION LINE OF DTL USING STEEL MONOPOLE STRUCTURES FOR CONSTRUCTION OF FOB NEAR SARITA VIHAR METRO STATION.**”

The brief scope of the work and site information is provided in ITT Clause A1 (Volume-1) & Technical Specifications (Volume-3)

1.1.2 Key details :

Approximate cost of work	Rs. 1.71 crore
Tender Security amount	Rs. 1.71 Lakhs
Completion period of the Work	06 Months
Tender documents on sale	From 12.07.2017 to 10.08.2017 (upto 10:00 Hrs) on e-tendering website http://eprocure.gov.in/eprocure/app
Cost of Tender documents	Rs. 5,250/- (Non- Refundable) (Bank Draft / Bankers Cheque issued in favour of “Delhi Metro Rail Corporation Limited”, payable at “New Delhi”) Cost of tender documents i.e, D.D. / Banker's cheque, in original, shall be accepted only upto 10:00 hours on 11.08.2017 in the office of Chief Electrical Engineer/UD at below mentioned address.
Pre-bid Meeting	24.07.2017 at 11:00 Hrs (in the office of Chief Electrical Engineer/UD)
Last date of Seeking Clarification and queries	26.07.2017 (Queries should be asked online only & queries after due date shall not be acknowledged)
DMRC's response to queries by	28.07.2017
Last date of issuing addendum	31.07.2017
Tender submission Start Date & time	01.08.2017 from 09:00 Hrs.

Tender submission End Date & time	10.08.2017 upto 10:00 Hrs.
Date & time of opening of Tender	11.08.2017 upto 11:30 Hrs.
Authority for seeking clarifications and queries.	Chief Electrical Engineer / UD, Delhi Metro Rail Corporation, Opposite Frank Anthony Public School, Lala Lajpat Rai Marg, Lajpat Nagar–IV, New Delhi –110 024

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. 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 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 on implementation of the project, if the personnel would be involved in any capacity on the same project.
- iv. A firm, who has purchased the tender document in their name, can submit the tender either as individual firm or in joint venture/Consortium. However, the lead partner in case of JV shall be one who has experience of supply, installation, testing and commissioning of electric line system.

- v. Any Central / State government department / public sector undertaking / other government entity or local body must not have banned business with the tenderer (any member in case of JV) as on the date of tender submission. Also no contract of the tenderer should have been rescinded / terminated by DMRC / **Central or State Govt. Department / Public Sector Undertaking / Other Govt. entity or local body** after award during last 5 years due to non-performance of the tenderer or any of JV/Consortium members. The tenderer should submit undertaking to this effect in **Appendix-19 A** of Form of Tender.

The overall performance of the tenderer (all members in case of JV/Consortium separately) shall be examined for all the on-going Electrical Works of value more than 40% of NIT cost of work and also for all the completed civil Engineering/Electrical/Signalling/System/Traction Works 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-19 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) failing 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-17. In case of performance certificate issued by the client, same should not be older than three months (from the last day of the previous month of tender submission) for the on-going works.

If there is any misrepresentation of facts with regards to undertaking submitted vide Appendix-19A, or performance in any of the works reported in the Appendix-19, the same will be considered as "fraudulent practice" under clause 4.33.1a(ii) of GCC and the tender submission of such tenderers will be rejected besides taking further action as per clause 4.33.1(b), (c) and 13.2.1 of GCC.

- vi. NON SUBSTANTIAL PARTNERS IN CASE OF JV/CONSORTIUM
- a. Lead partner must have a minimum of 26% participation in the JV/Consortium.
- b. In case of JV/Consortium, change in constitution or percentage participation shall not be permitted at any stage after their submission of application otherwise the applicant shall be treated as non-responsive.

vii. The tenderer must have Valid Electrical Contractor License.

1.1.3.2 **Minimum Eligibility Criteria:**

A. Work Experience: The tenderers will be qualified only if they have completed work(s) during last Ten years ending **30.04.2017** as given below:

B. Work Experience: The tenderers will be qualified only if they have completed work(s) during last **Ten years** ending **30.04.2017** as given below:

(i) At least one “**similar works**”^{***} of value **INR 1.37 Cr** or more

OR

(ii) Two “**similar works**”^{***} of value **INR 0.85 Cr** or more.

OR

(iii) Three “**similar works**”^{***} of value **INR 0.68 Cr** or more.

^{***}“*Similar works*” for (i),(ii),(iii) above for this contract shall be the work of **supply, erection, testing and commissioning of minimum of 220 KV / 132 KV or higher voltage overhead electrical transmission line having lattice or Monopole tower design.**

Note:-

The bidder shall have to submit an Authorization Letter from manufacturer of steel monopole (based in India) for all technical support like design, manufacture, supply, erection, testing, commissioning of monopole etc. whichever is required for the smooth execution of the contract in the format prescribed as Appendix-2 of FOT. The manufacture shall provide all necessary help/assistance during the execution of the work & thereafter.

Notes:

- The pole manufacturer will inspect and certify the satisfactory completion of installation, testing and commissioning done by executing agency
- The tenderer shall submit details of works executed by them in the Performa of **Appendix-17 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 also be submitted.
- Value of successfully completed portion of any ongoing work up to **30.04.2017** will also be considered for qualification of work experience criteria.
- For completed works, value of work done shall be updated to **30.04.2017** 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.

- 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.

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

(i) **T1 – Liquidity:** Deleted

(ii) **T2 - Profitability:** Profit before Tax should be Positive in at least 2(two) year, out of the last five audited financial years ending 31.03.2017.

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

(iii) **T3 - Net Worth:** Deleted

(iv) **T4 - Annual Turnover:** Deleted

(v) **Solvency:** Tenderer should have a solvency of **Rs. 85 lacs**, duly certified by a Scheduled Commercial Bank based in India **in original**, which should **not be older than three months**.

Notes:

- Financial data for latest last five audited financial years ending 31.03.2017 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 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 will be considered as non-responsive.
- 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:** Deleted

1.1.3.4 The tender submission of tenderers, who do not qualify the minimum eligibility criteria stipulated in the clauses 1.1.3.2 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 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.

1.1.4 **Tender Documents**

The Tender documents consist of :

- Volume-1: Notice Inviting Tender (NIT)
Instructions to Tenderers (ITT) including Annexure
Form of Tender (FOT) including Appendices
- Volume-2: General Conditions of Contracts (GCC)
Special Conditions of Contract (SCC)
- Volume-3: Technical Specifications (TS)
- Volume-4: Tender Drawings
- Volume-5: Condition of Contract on Safety, Health & Environment (SHE)
Ver.-1.2
- Volume-6: Bill of Quantities (BOQ)

1.1.5 The contract shall be governed by the documents listed in Para 1.1.4 above.

1.1.6 Instructions for Online Tender Submission:

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

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

REGISTRATION

- 1) Tenderers 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 Tenderer Enrollment**” on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the Tenderers will be required to choose a unique username and assign a password for their accounts.
- 3) Tenderers 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 Tenderers 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 Tenderer. Please note that the Tenderers are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.
- 6) Tenderer 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 Tenderers 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 Tenderers 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 Tenderers 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 Tenderers through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The Tenderer 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 TENDERS

- 1) Tenderer should take into account any corrigendum published on the tender document before submitting their Tenders.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the Tender. Please note the number of covers in which the Tender 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 Tender.
- 3) Tenderer, in advance, should get ready the Tender documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Tender 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 Tender, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the Tenderers. Tenderers 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 Tender, and need not be uploaded again and again. This will lead to a reduction in the time required for Tender submission process.

SUBMISSION OF TENDERS

- a) Tenderer should log into the site well in advance for Tender submission so that they can upload the Tender in time i.e. on or before the Tender submission time. Tenderer will be responsible for any delay due to other issues.
- b) The Tenderer has to digitally sign and upload the required Tender documents one by one as indicated in the tender document.
- c) Tenderer has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.
- d) Tenderer should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of Tender submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during Tender submission time. Otherwise the uploaded Tender will be rejected.
- e) Tenderers are requested to note that they should necessarily submit their financial Tenders in the format provided and no other format is acceptable. If the price Tender 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 Tenderers. Tenderers 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 Tenderer). No other cells should be changed. Once the details have been completed, the Tenderer should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the Tenderer, the Tender will be rejected.

- f) The server time (which is displayed on the Tenderers' dashboard) will be considered as the standard time for referencing the deadlines for submission of the Tenders by the Tenderers, opening of Tenders etc. The Tenderers should follow this time during Tender submission.
- 7) All the documents being submitted by the Tenderers 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 Tender opening. The confidentiality of the Tenders is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any Tender 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/Tender openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized Tender openers.
- g) The uploaded tender documents become readable only after the tender opening by the authorized Tender openers.
- h) Upon the successful and timely submission of Tenders (ie after Clicking "Freeze Tender Submission" in the portal), the portal will give a successful Tender submission message & a Tender summary will be displayed with the Tender no. and the date & time of submission of the Tender with all other relevant details.
- i) The Tender summary has to be printed and kept as an acknowledgement of the submission of the Tender. This acknowledgement may be used as an entry pass for any Tender opening meetings.

ASSISTANCE TO TENDERERS

- 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 Tender submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.
- 3) For any Technical queries related to Operation of the Central Public Procurement Portal Contact at :
Mobile Numbers: 91 7878007972, 91 7878007973, 91 7574889871, 91 7574889874, 91 8826246593
Tel: The 24 x 7 Toll Free Telephonic Help Desk Number 1800 3070 2232. Other Tel: 0120-4200462, 0120-4001002.
E-Mail: ccpp-nic[at]nic[dot]in

Chief Electrical Engineer/UD
Delhi Metro Rail Corporation Ltd.