



DELHI METRO RAIL CORPORATION LIMITED

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

“Execution of remaining architectural finishing works
of South Extension station in the stretch of Contract
CC-18 of Delhi MRTS Project Phase-III”

CONTRACT: CC-18 M

TENDER DOCUMENTS

VOLUME -1

**NOTICE INVITING TENDER
INSTRUCTION OF TENDERER
FORM OF TENDER**

DELHI METRO RAIL CORPORATION LTD.

Metro Bhawan, Fire Brigade Lane,
Barakhamba Road,
New Delhi - 110001

**CONTRACT:CC-18 M
TENDER DOCUMENTS**

VOLUME 1

NOTICE INVITING TENDER

NOTICE INVITING TENDER (NIT)

To

**M/s M K Construction,
A-65, Kamla Nagar,
Delhi-110007.**

1.1 GENERAL**1.1.1 Name of Work:**

Delhi Metro Rail Corporation (DMRC) Ltd. invites single e-tenders from pre-qualified applicants, who fulfill qualification criteria as stipulated in Clause 1.1.3 of NIT, for the work ***“Execution of remaining architectural finishing works of South Extension station in the stretch of Contract CC-18 of Delhi MRTS Project Phase-III”***.

1.1.2 Key details :

Approximate cost of work	Rs. 8,42,03,786.25/-
Tender Security amount	Amount of Tender Security:- Rs. 8,42,038/- Validity of Tender Security: - 09.11.2017 Tender Security (in original) as per clause C18 of ITT shall be accepted only up to 15:00 hrs on 14.03.2017 in the office of General Manager/Contracts, 5 th floor, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi – 110001.
Completion period of the Work	six months
Tender documents on sale	From 07.03.2017 to 14.03.2017 (upto 15:00 Hrs) on e-tendering website https://eprocure.gov.in/eprocure/app Tender document can only be obtained online after registration of tenderer on the website https://eprocure.gov.in/eprocure/app .
Cost of Tender documents	Rs. 21,000/- (Non-Refunadable) (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’scheque, in original, shall be accepted only upto15:00 hours on 14.03.2017 in the office of GM/Contracts,5 th floor, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi – 110001.
Date & time of Submission of Tender	Tender submission start date: 07.03.2017 (15:00 hrs)

	Tender submission end date: 14.03.2017 (15:00 hrs)
Date & time of opening of Tender	15.03.2017 at 15:00 Hrs.
Authority and place for submission of Tender Document cost & Tender Security and seeking clarifications	General Manager /Contracts 5 th floor, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi – 110001

1.1.3 QUALIFICATION CRITERIA :

1.1.3.1 Eligible Applicants :

- i. DMRC/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.
- ii. Also no contract of the value more than 10% of NIT cost of work, executed either individually or in JV/Consortium, should have been rescinded/ terminated by DMRC/any central or State Govt.Department / Public Sector Undertaking / Other Govt. entity or local body after award during last 03 years (from the last day of the previous months of tenderer submission) due to non-performance of the tenderer or any of JV/Consortium member. The tenderer should submit undertaking to this effect in **Appendix-19** of Form of tender.
- iii. Tenderer (Including any member in case of JV/consortium) must have been neither penalised with or nor imposed with liquidated damages of 10% (or more) of the contract value in a contract due to delay or penalty of 10% (or more) of the contract value due to any other reason in any civil Engineering / Electrical /Signalling/ system / Traction Contract 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.
- iv. Tenderer 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.

1.1.3.2 Minimum Eligibility Criteria: DELETED

1.1.4 Tender Documents

The Tender documents consist of :

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

- 1.1.5 The contract shall be governed by the documents listed in Para 1.1.5 above along with latest edition of CPWD Specification, IRS Specifications & MORTH Specifications. These may be purchased from the market.
- 1.1.6 The Tenderer may obtain further information/ clarification, if any, in respect of these tender documents from the authority defined in the Key details above.
- 1.1.7 The intending tenderer must be registered on e-tendering portal <https://eproure.gov.in/eprocure/app>. If 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-III* digital signature. The tender document can only be downloaded or uploaded using 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 such as Demand Draft or Pay Order or Banker's Cheque from a Scheduled commercial bank based in India 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 and other documents as stated in the tender document.
- 1.1.10 All Tenderer are hereby cautioned that tenders containing any material deviation or reservations as described in Clause. **E 4.0** of "Instructions to Tenderer" and/or minor deviation without quoting the cost of withdrawal shall be considered as non-responsive and is liable to be rejected.
- 1.1.11 Submission of Tenders shall be closed on e-tendering website of DMRC at the date & time of submission prescribed in NIT after which no tender shall be accepted. It shall be the responsibility of the bidder / tenderer to ensure that his tender is submitted online on e-tendering website <https://eprocure.gov.in/eprocure/app> before the deadline of submission. DMRC will not be responsible for non-receipt of tender documents due to any delay and/or loss etc.
- 1.1.12 Tenders shall be valid for a period of **180 days** (both days inclusive i.e. the date of submission of tender and the last date of period of validity of the tender) from the latest date of submission of Tenders and shall be accompanied with a tender security of the requisite amount as per clause C18 of ITT.
- 1.1.13 DMRC reserves the right to accept or reject proposal without assigning any reasons. No tenderer shall have any cause of action or claim against the DMRC for rejection of his proposal.

- 1.1.14 All the uploaded files in tender submission should be named properly and arrange systematically.
- 1.1.15 The bidders are advised to keep in touch with e-tendering portal <https://eproure.gov.in/eprocure/app> for updates.
- 1.1.16 The bidders may note that this tender is based on one packet system and scrutiny of documents along with tender submission will be done after opening of bid. If at any stage, any bidder found non- responsive with the criteria mentioned in this document, bidder will be disqualified and their bid will not be evaluated further.

**GM/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 Enrollment**” 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) Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.
- 4) Bidder 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 bid 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 bid submission time. Otherwise the uploaded bid will be rejected.
- 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.

- 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 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: [cppp-nic\[at\]nic\[dot\]in](mailto:cppp-nic[at]nic[dot]in)

SCOPE OF WORK

2.0 GENERAL

The scope of work includes *“Execution of remaining architectural finishing works of South Extension station in the stretch of Contract CC-18 of Delhi MRTS Project Phase-III”*

2.1 WORK CONTENTS

The Permanent Works shall comprise:

- (1) Execution of remaining architectural finishing works as shown in drawings and other miscellaneous civil works at south extension station.
- (2) Interfacing with system wide contractors and all works related to interface with system wide contractors.
- (3) Installation of embedded pipes/hooks as per the requirement of system contractors.
- (4) Preventive and corrective actions.
- (5) Preparation of shop drawings.
- (6) Any other works as shown in drawings or as and when directed to execute any civil works required to completed architectural finishing work.

In addition, the Scope of work is broadly mentioned in DSR/BOQ schedule A, B & C and as per site requirement and any other work related to the work based on DSR 2012 is required to be executed. CPWD Specifications are applicable for respective BOQ items.

2.1.1.1 Concrete Works:

If required, contractor has to arrange ready mix concrete from DMRC approved batching plant. Nothing extra will be paid over and above accepted BOQ rate for this. Contractor shall provide adequate number of equipments and other required T&P will have to be provided as per the direction of 'Engineer' at site.

2.1.1.2 Contractor's Site Office:

Deleted

2.1.1.3 Testing of the materials:

Contractor has to arrange testing of material samples in the DMRC approved laboratory and as specified in Annexure 10 of ITT.

2.1.1.4 Quality

All materials used in the works shall be of the best quality of their respective kinds as specified herein, obtained from sources and suppliers approved by the Engineer and shall comply strictly with the tests prescribed in the Technical Specifications/Codes of Practice.

Sampling and Testing

In addition to manufacturers' test certificates, samples of all materials proposed to be employed in permanent works shall be submitted to the Engineer when called for. In such cases, materials will not be brought to the site without prior approval of the Engineer.

Samples provided to the Engineer are to be labelled in boxes suitable for storage. Materials or workmanship, not corresponding in character and quality with approved *samples, will be rejected by the Engineer.*

Samples required for approval and testing must be supplied at least 15 days in advance to allow for testing & approval. Delay to the works arising from the late submission of samples will not be acceptable as a reason for delay in completion of the works.

The contractor will bear all expenses for sampling and testing, whether at the manufacturer's premises at source, at site or at any testing laboratory or institution as directed by the Engineer. In case of field tests, 10% of the samples shall be tested in approved outside laboratory as directed by the engineer. No payment shall be made on this account.

2.1.1.5 Rejection

Any materials that have been found not to conform to the specifications will be rejected forthwith and shall be removed from the site by the contractor at his own cost.

2.1.1.6 Workmanship

All works shall be true to level, plumb and square and the corner, edges and arises in all cases shall be unbroken and neat and shall be as per provisions in the relevant Technical Specifications / Standard Codes of Practices. Contractor shall also submit Methods Statements within 10 days of acceptance of tender for approval of the Engineer. The approved Method Statements will form the basis for quality control and checklist for strict adherence during the work.

Any work not as per satisfaction of the Engineer or his representative will be rejected and the same shall be rectified, or removed and replaced with work of required standard of workmanship at no extra cost.

2.2 INTERFACE WORKS:

2.2.1 Co-ordination/co-operation with other contractors:

1. The contractor shall cooperate with the other contractors appointed by the Employer so that the work proceeds smoothly to the satisfaction of Engineer. The contractor shall plan & execute the works with proper interfacing with other contractors.
2. The contractor shall attend regular coordination meetings convened by the Employer/Engineer for interface and adhere to the decisions taken in the meeting.
3. Access will be provided to the staff of the other Contractor appointed by the Employer for carrying out their works and bringing materials and equipments at the site. However, the security of materials and Equipments brought at the site will be the responsibility of the respective Contractors.

4. The contractor shall, in carrying out his coordination responsibility, raise in good time and provide sufficient information for the Employer to decide on any disagreement with other contractor. If the contractor despite having taken all reasonable efforts cannot resolve such disagreement then the decision of the Engineer shall be final and binding on the contractor.

2.3 REFERENCE TO THE STANDARD CODES OF PRACTICE

- 2.3.1 All Standards, Technical Specifications and Codes of practice referred to shall be latest editions including all applicable official amendments and revisions. The Contractor shall make available at site all relevant Indian Standard Codes of practice, IRSC, MORTH & IRC Codes and CPWD specifications as applicable.
- 2.3.2 Wherever Indian Standards do not cover some particular aspects of construction; relevant British German Standards will be referred to. The Contractor shall make available at site such standard codes of practice.
- 2.3.3 In case of discrepancy among Standard codes of practice and provisions in sub clauses in this NIT, the order of precedence will be as below:
 - i. Provision in NIT
 - ii. CPWD specifications
 - iii. Standard Codes of Practice.
 - iv. MORTH Specifications

2.4 DIMENSIONS

- 2.4.1 As regards errors, omissions and discrepancies in Specifications and Drawings, relevant clause of Special Conditions of Contract will apply.
- 2.4.2 The levels, measurements and other information concerning the existing site as shown on the conceptual / layout drawings are believed to be correct, but the Contractor should verify them for himself and also examine the nature of the ground as no claim or allowance whatsoever will be entertained on account of any errors or omissions in the levels or strata turning out different from what is shown on the drawings.

2.5 TIME SCHEDULE

The agency shall submit with the tender "Time Schedule" for completion of various portions of works. This schedule is to be within the overall completion period of **6 Months**

2.6 TENDER PRICE

The tender price as mentioned in Clause C 2.5 of ITT shall include all the above listed items in the scope of the work.

SITE INFORMATION

3.1 WORK SITE

3.1.1 The project site is primarily in Delhi and NCR territory.

3.1.2 The proposed work falls on Line-7 corridor of Phase-III of Delhi MRTS Project in Delhi and NCR territory.

3.1.3 The Contractor shall plan his works keeping in view restriction of approach and availability of space and time.

3.2 General Climatic Conditions

3.2.1 The recorded highest and lowest temperatures in the past 10 years are 47 degree Celsius and 2.4 degree Celsius respectively.

3.2.2 Summer season is from April to June and winter season is from November to March.

3.2.3 Mean average annual rainfall in the area over a five-year period is of the order of 735 mm, a good portion of which is concentrated during July to mid-September, when about 75% of the annual rainfall occurs. The heaviest rainfall recorded during 24-hour period is 191 mm.

3.3 Seismic Zone

Delhi falls in Seismic Zone IV. Earthquake of maximum magnitude VIII on Modified Mercalli scale has been experienced in the past, in the region.