



**दिल्ली मेट्रो रेल कॉरपोरेशन लिमिटेड
DELHI METRO RAIL CORPORATION LTD.**

CONTRACT NO: CCM-30/2016

**Comprehensive Operation & Maintenance of Sewage Treatment
Plant (STP) of DMRC-Airport Metro Train Depot**

VOL-I

DELHI METRO RAIL CORPORATION LTD.

**2ND FLOOR, A-WING, METRO BHAWAN,
FIRE BRIGADE LANE, BARAKHAMBA ROAD,
NEW DELHI 110001**

SECTION 1 NOTICE INVITING TENDER

1.1 GENERAL

Delhi Metro Rail Corporation (DMRC) Ltd. invites open e-tenders in two bid packet system for **“Comprehensive Operation & Maintenance of Sewage Treatment Plant (STP) of DMRC- Airport Metro Train Depot.”** of DMRC LTD.

1.1.1 Delhi Metro Rail Corporation (DMRC) Ltd. invites open e-tenders in two bid packet system for the above-mentioned work (clause 1.1.1).

Approximate cost of work	Rs. 15,04,815/-(inclusive of all taxes)
Tender Security amount	Rs. 30,100- Tender Security Amount i.e, D.D./Banker's cheque/BG/FDR, in favour of “Delhi Metro Rail Corporation Ltd” payable at New Delhi. in original, shall be accepted only upto 12:00 hours on 21/12/16 in the office of DGM/C&S at below mentioned address.
Completion period of the Work	1 year and further extendable for two more years based on the performance in the preceding year.
Tender documents on sale	29/11/16 to 19/12/16 (upto 15:00 hrs) on e-tendering website http://eprocure.gov.in/eprocure/app Tender document can only be obtained after registration of tenderer on the website http://eprocure.gov.in/eprocure/app. For further information on this regard bidders are advised to contact 011-49424307, 011-49424365 or 011-23417910
Cost of Tender documents	INR 5,250/- (inclusive of 5% DVAT) Non-Refundable (Demand Draft /Banker's cheque) in favour of “Delhi Metro Rail Corporation Ltd” payable at New Delhi.) Cost of tender documents i.e, D.D./Banker's cheque, in original, shall be accepted only upto 12:00 hours on 21/12/16 in the office of DGM/C&S at below mentioned address.
Date of Pre-Bid Meeting	09/12/2016 at 15:00 hrs at 2ND Floor A-Wing Metro Bhawan
Last date of issuing addendum	19/12/16 up to 17:00 hrs
Last Date & time of Submission of Tender (both technical and financial bid)	20/12/16 up to 16:00 hrs
Date & time of opening of Tender (Technical Bid)	21/12/16 at 14:00 Hrs.
Authority and place for purchase of tender documents, seeking clarifications and submission of completed tender documents	DGM/C&S Delhi Metro Rail Corporation, 2nd floor, A-Wing, Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi –110 001

The tender documents (non-transferable) can only be obtained after registration of tenderer on the website <http://eprocure.gov.in/eprocure/app>. Downloaded tender document will not be entertained. All D.D. should be drawn in favour of **“Delhi Metro rail Corporation Ltd.”**, payable at New Delhi.

NOTE: Any corrigendum, addendum etc issued shall be part of this tender document and shall be made available on DMRC website <http://eprocure.gov.in/eprocure/app>

1.1.2 **Minimum Eligibility Criteria**

(a) Work Experience:

Experience of having satisfactorily completed similar works during last 5 years period ending last day of the month previous to the one in which the tenders are invited should be either of the following:

(i) Three similar completed works each costing not less than the amount equal to Rs. **6.01** lakh

or

(ii) Two similar completed works each costing not less than the amount equal to Rs. **7.52** lakh

or

(b) One similar completed work costing not less than the amount equal to Rs. **12.03** lakhs

Financial Standing (Annual Turnover) :

The annual average turnover of applicant during the last three audited financial years (2013-14, 2014-15 & 2015-16) should not be less than Rs. **12.03** lakh.

In case audited balance sheet of financial year 2015-16 is not made available by the tenderer, he has to submit an affidavit certifying that, the balance sheet has actually not been audit so far. In such a case the financial data of previous three audited financial years will have to be submitted. -

Tenderer shall submit last three years audited financial statement duly attested by certified Chartered Accountant to work out net worth and turnover. The net worth must be positive.

(C) The tenderer should have minimum three years experience of civil works in any Central Govt./state Govt./PSU's/DMRC or any private Limited company of repute, (relevant documentary proof has to be submitted).

(d) Definition of similar work: Supply & Installation, Repair, Operation, overhauling work and maintenance work of WTP/ETP/STP in any government department /Railway/PSU'S Govt. bodies and any private reputed organization/Companies.

(e) Applicant must not have been black listed or deregistered by any Govt. or Public sector undertaking during last 5 years the contractor has to submit an undertaking on Rs. 10 stamp paper duly attested by notary.

NOTE: Any corrigendum, addendum etc issued shall be part of this tender document and shall be made available on DMRC website <http://eprocure.gov.in/eprocure/app>

1.2 **POINTS TO BE NOTED**

1.2.1 Works envisaged under this contract are required to be executed in all respects within the period of completion mentioned above.

1.2.2 The mere fact that the tenderer is short listed as mentioned in sub clause 1.1.2 shall not imply that his bid shall automatically be accepted. The same should contain all technical, Financial & other details as required for the consideration of tender.

1.2.3 Tender document consists of the following:

Volume I

- a. Notice Inviting Tender - consisting of
 - i. Notice Inviting Tender
 - ii. Scope of Work
 - iii. Tender prices
- b. Instructions to Tenderers
- c. General Conditions of Contract
- d. Checklist for technical qualification

Volume II

- a. Bill of quantities
- 1.2.4 The Contract shall be governed by the documents listed in para 1.2.3 above.
- 1.2.5 The tenderers may obtain further information in respect of these tender documents from the office of DGM/Civil, 6th floor, Metro Bhawan, Fire Brigade lane, Barakhamba Road, New Delhi-01
- 1.2.6 The intending bidders must be registered on e-tendering portal <http://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.
- 1.2.7 The authorized signatory of intending bidder, 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.
- 1.2.8 Tender submissions will be made online 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 or FDR from a Scheduled commercial bank based in India and other documents as stated in the tender document.
- 1.2.9 Late tenders (received after date and time of submission of bid) shall not be accepted under any circumstances.
- 1.2.10 All Tenderers are hereby cautioned that tenders containing any material deviation or reservation as described in Clause 24.0 of "Instructions to Tenderers" and / or minor deviation without quoting the cost of withdrawal shall be considered non-responsive & shall be summarily rejected.
- 1.2.11 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.
- 1.2.12 Bidders shall note that the maximum file size that can be uploaded is 5 MB. All the uploaded files in tender submission should be named properly and arrange systematically.
- 1.2.13 The bidders are advised to keep in touch with e-tendering portal <http://eprocure.gov.in/eprocure/app> for updates.
- 1.2.14 Contact Details of CVO (email- cvodmrc@gmail.com Ph.011-23418406, Mob.9560940000.

DGM /Civil

DMRC, New Delhi

SECTION 2

SCOPE OF WORK

SCOPE OF WORK

- 2.0 The contractor will execute the work i.e **“Comprehensive Operation & Maintenance of Sewage Treatment Plant (STP) of DMRC - Airport Metro Train Depot.”** Contractor shall prepare the drawing/work method/bar chart for the approval of the DMRC as per requirement.
- 2.1 The above mentioned work shall be carried out with contractors own material & labour as per the specification & drawing.
- 2.2 The Brief scope of work is mentioned in DSR/BOQ and as per site requirement.
- The work under this contract shall consist of, but not limited to, all materials, labour, equipment's, tools, plants and necessary machinery as required to completely execute following works in block hours/non block hours:
- a.) Cleaning and desludging of FAB tanks, tube settler tanks, sludge holding tank etc as and when required as per the direction of engineer in charge at site.
 - b.) Repair, maintenance & servicing of electric panels, electrical fittings, mechanical fittings etc of different types of pumps installed in the STP plants.
 - c.) Supply of chemicals (NAOCl) for chlorine dosing and disinfection of treated.
 - d.) Supply and replacement of filter cloth for filter press as and when required.
 - e.) Lubricating, oiling & greasing of air blowers, motors, valves and all mechanical moving items etc regularly for their smooth functioning.
 - f.) Collection of STP water, raw and treated sample and submission of report from NABL accredited laboratory on monthly basis or as and when instructed by engineer in charge.
 - g.) Execution of any other DSR items if required for the allied activities of operation and maintenance of STP plant.
 - h.) Record maintenance of consumption of chemical, man power record, operation & maintenance log book.
 - i.) Other miscellaneous items as per instructions of engineer in charge.

The contractor shall plan & execute the work in such a way that the work proceeds smoothly to the satisfaction of engineer.

- The Contractor shall attend regular coordination meetings convened by the employer/engineer for interface and adhere to the decisions taken in the meeting.
- Access will be provided to the staff of the contractor appointed by employer for carrying out their works and bringing materials and Equipments at site. However, the security of materials and Equipments brought at the site will be the responsibility of the Contractor.
- The Contractor shall take all necessary precautions to ensure safety of the staff, adjoining structures, materials & equipments and the work in progress as per the directions of engineer-in-charge.

2.3 In case of discrepancy among Standard codes of Practice, Technical Specifications and provision in sub-clause in this NIT, the order of precedence will be as below:

- (i) Provision in NIT/BOQ.
- (ii) Technical Specifications
- (iii) CPWD Specifications

(iv) Standard Code of Practice.

In case of discrepancy among Standard Codes Of Practice, the order of precedence will be IRS, IRC, IS, BS, DIN.

2.4 Time Schedule:

The contract period for execution of the above mentioned work is 1 year and further extendable for two more years based on the performance in the preceding year from the date of commencement of work. The works should start immediately 7 days of issuance of work orders by the competent authority. However the emergency works arisen should be attended promptly.

2.5 Specifications:

CPWD Specifications / IS code are applicable.

SECTION 3

TENDER PRICES AND SCHEDULE OF PAYMENT

3.1 Tender Prices

- 3.1.1 a. Unless explicitly stated otherwise in the Tender Documents, the contractors shall be responsible for the whole works, based on the work orders issued by the competent authority and payment shall be as per accepted rates based on the items carried out as per the work orders issued by the competent authority as and when required.
- b. The rate quoted by the tenderer is inclusive of all duties, taxes, fees, octroi and other levies, materials, labour etc.

3.1.2 Schedule of Payment

The payment will be made on actual basis as per the accepted rates based on the activities carried out as per the work orders issued by the competent authority as and when required. The payment will be made as per measurement recorded in the measurement sheet & on account bill submitted by the contractor and verified by the engineer.

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.

- 7) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) 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.
- 9) 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.
