



**DELHI METRO RAIL CORPORATION LTD.**  
(A Joint Venture of Govt. of India & Govt. of NCT, Delhi)

“ Replacement of old Split ACs with VRV  
AC system at SHD, SLAP, KG & TZI  
Metro Stations”

**VOLUME-I**

- \* NOTICE INVITING TENDER
- \* SCOPE OF WORK
- \* TENDER PRICES AND SCHEDULE OF PAYMENT

TENDER No. E/EM/RC-023/2016

## SECTION 1

## NOTICE INVITING TENDER (e-TENDER)

## 1.1 GENERAL

Delhi Metro Rail Corporation (DMRC) Ltd. invites Open e-Tenders (two bids) duly sealed from experienced firms/contractors for the work "Replacement of old Split ACs with VRV AC system at SHD, SLAP, KG & TZI Metro Stations".

## 1.1.1 The details of the Tender are as per following:

Estimated cost of work	:	Rs. 82,68,660/- (inclusive of all taxes)
Tender Security amount	:	Rs. 1,65,373/-
Cost of Tender (Non-Refundable)	:	Rs. 5,250/- (Rs 5,000/- plus 5% VAT) Non-Refundable
Completion period of the Work	:	120 days (from day of issue of letter of acceptance)
Tender documents on sale	:	From 27.07.2016 to 19.08.2016 (up to 17:30 hrs) on e-tendering website <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a>  For further information on this regard bidders are advised to contact 0120-4200462, 0120-4001002 and 8826246593
Last Date & time of Submission of Tender Online	:	19.08.2016 up to 17:30 hrs.
Date & time of opening of Technical Bid Online	:	23.08.2016 at 12:30 hrs.
Date & time of opening of Financial Bid Online	:	Shall be informed after evaluation of technical bid through website <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a>
Authority and place for submission of tender cost, tender security, required documents (if any), seeking clarifications etc.	:	Sr. DGM/E&M, DMRC Ltd. 2nd Floor, C-Wing Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New delhi-110001.
<p>The tender cost and tender security will be in the form of a Demand draft/ Banker's cheque drawn on a scheduled Commercial Bank based in India and should be in favour of "DMRC Ltd." payable at New Delhi.</p> <p>The same should be submitted in original before One Hours of opening date &amp; time of technical bid in the office of Sr.DGM/E&amp;M at the above mentioned address.</p> <p><b>NOTE:</b> The bidder who fails to submit the tender cost &amp; tender security (in original) within stipulated scheduled deemed to be rejected.</p>		

## 1.2 MINIMUM ELIGIBLE CRITERIA :

1.2.1 Work Experiences –

Experienced Firm/Contractor who have completed:

- (a) One single work of similar nature of at least 80% value of estimated cost of contract.

OR

- (b) Two similar works, each of at least 50% of estimated cost of contract.

OR

- (c) Three similar works, each of at least 40% of estimated cost of contract.

in Govt. / Semi Govt. / PSU during last 5 years ending March-2016 are eligible to participate.

NOTE:

- (i) Similar Nature of work: Any work involving Split AC, Package AC, VRF/VRV or Central Air Conditioning plant work.
- (ii) Successful completed portion of ongoing works shall not be considered for qualifying these criteria.
- (iii) Following documents shall be considered for evaluating the criteria of work experience:
- a. Self attested copies of work order, BOQ along with completion certificate (indicating the name of work, final amount, quantity of work, completion date etc.) issued by the client preferably on their letter head for completed work.
  - b. Self attested copies of work order, BOQ and latest certificate issued by along with completion certificate issued by the client preferably on their letter head for quantum of work executed for work under progress.
  - c. Performance certificate for issuing of similar product from client for at least two year.

1.2.2 Financial Standing (Annual turnover) –

- a) Contractor's average Annual Turnover of last three audited financial years should be equal to or more than 80% of estimated cost of work.
- b) Applicant must not have been blacklisted or deregistered by any Govt. / Semi Govt. / PSU undertaking during last five years. It should be on non-judicial stamp paper of Rs. 10/- duly attested by Notary.
- c) Undertaking on Non-Judicial stamp paper of Rs.10 attested by Public Notary certifying that for applicant not involved in any litigation/arbitration or no case pending in any court against them during the last 05 years.
- d) Net worth of applicants should be positive. Tenderer shall submit last three years audited financial statement (balance sheet) duly attested by certified CA to work out net worth.

## 1.2.3 The following documents are to be submitted along with the tender: -

- i) Pan No. as per Income Tax Act.
- ii) Sales tax registration certificate.
- iii) VAT registration certificate.
- iv) Service tax registration certificate.
- v) PF registration certificate/ Exemption certificate.
- vi) ESI registration certificate/ Exemption certificate.
- vii) Organization chart with address, telephone/mobile no. and E-Mail.

- viii) Availability of adequate number of qualified and technically competent personnel with relevant experience. The tenderer shall be submitted self-attested copies of bio-data and relevant qualification documents of employee.
- ix) Cost of tender documents in form of Demand Draft.
- x) E-Payment duly filled by contractor. Bank details except Bank key is required to be verified by the Bank on its letter head duly signed and stamped. Bank certificate is to be enclosed along with the tender.
- xi) List of work executed with completion issued by the concerned department. The contractor shall submit certificate from client for satisfactory completion of works indicating the contract value, nature of work, duration and the name of the organization for who the work was executed.
- xii) Power of Attorney.

Documentary proof of satisfying eligibility conditions and audited financial data to be furnished along with the application on printed letter heads. Testimonials of satisfactory completion should be obtained from an officer not below the rank of executive engineer.

- 1.2.4 The tender submission of bidders, who do not qualify the minimum eligibility criteria, shall not be considered for further evaluation and considered rejected. The mere fact that the bidder is qualified as mentioned in sub clause of clause 1.2 shall not imply that his bid shall automatically be accepted. The same shall be subject to the data as required for consideration of tender prescribed in the ITT

The mere fact that the tenderer is Pre-qualified as shall not imply that his bid shall automatically be accepted. The same should contain all Financial & other details as required for the consideration of tender.

- 1.2.5 Tender document consists of the following documents:

VOLUME-I

- a. Notice Inviting Tender
- b. Scope of Work
- c. Tender Prices and Schedule of Payment

VOLUME-II

- a. Instructions to Tenderers
- b. Other terms and Conditions
- c. Special Conditions of Contract
- d. General Conditions of Contract (Except clause 15 - Insurance)
- e. Bill of Quantities.

Please note carefully the requirements for submitting tenders and the date & time for submittal.

- 1.3 The tenderers may obtain further information / clarification, if any, in respect of these tender documents from the office of Sr. DGM /E&M, DMRC Ltd. 2<sup>nd</sup> Floor C Wing Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi-110001
- 1.4 The intending bidders 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.
- 1.5 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.
- 1.6 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 from a Scheduled commercial bank based in India and other documents as stated in the tender document.
- 1.7 Tenders shall be valid for a period of as per ITT clause 12.0 from the date of submission of Tenders.
- 1.8 Tenderer is cautioned that the tender containing any material deviation from the tender document which consists of NIT, Instructions to tenderers, General conditions of contract, Special conditions of contract, Bill of quantities is liable to be summarily rejected as non-responsive.
- 1.9 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.
- 1.10 Tenderers are advised to visit the site before offering their rates.
- 1.11 Bidders shall note that the maximum file size that can be uploaded is 5 MB and in the form of pdf/jpg/jpeg format. All the uploaded files in tender submission should be named properly and arranged systematically.
- 1.12 The bidders are advised to keep in touch with e-tendering portal <https://eprocure.gov.in/eprocure/app> for updates. Any corrigendum, addendum etc issued shall be part of this tender document and shall be made available on this e-tendering portal.

Sr. DGM / E&M

Delhi Metro Rail Corporation Ltd  
2<sup>nd</sup> floor, C Wing Metro Bhawan,  
Fire Brigade Lane, Barakhamba Road,  
New Delhi-110001

## SECTION 2

## SCOPE OF WORK

2.0 The contractor will execute the work i.e. "Replacement of old Split ACs with VRV AC system at SHD, SLAP, KG & TZI Metro Stations".

2.1 Brief Scope

The contractor will execute the work of "Replacement of old Split ACs with VRV AC system at SHD, SLAP, KG & TZI Metro Stations".

Time is essence of contract. Contractor is required to mobilize adequate resources to ensure the work is completed in stipulated 120 Days completion time failing which penalty (as defined) shall be imposed.

Variable Refrigerant Flow(VRF) type of Air- conditioning system is to be provided at the elevated stations (Rail Corridor) of DMRC. Generally, the following rooms of the stations shall be air-conditioned:

- Station Control Room
- Ticket Office
- EFO
- Signal Maintenance Room
- Signal Equipment Room
- Telecom equipment Room
- UPS (S&T) Room
- UPS (Elect) Room
- Station Manager Room
- Crew Control Room at specified sites.

1.2 The scope of work related to Variable Refrigerant Flow Air-conditioning System shall generally comprise of but not limited to the following :

- Manufacturing
- Testing at manufacturer's works
- Supply and storage,
- Installation at station
- Site testing and commissioning
- Training of DMRC staff

1.3 The VRF type air-conditioning system shall generally consist of:

- Outdoor and Indoor units along with refrigerant piping, its insulation **with cladding and cable tray/ raceway. The cabletray/ raceway used for refrigerant pipe and electrical cables will be a part of the VRF system and no separate payment is to be made.**
- Air distribution system when ducting is provided as per BOQ
- Drain Piping.
- Electrical works.
- Materials and components not specifically stated in the specifications and/or bill of materials or noted on the drawings but which are necessary for satisfactory installation and operation of the system.

Air conditioning to above room is to be achieved based on specifications, terms and conditions, design criteria and bill of quantities contained in the tender documents.

Works and services to be provided by DMRC.

These works shall be executed in coordination as existing working room are involved. DMRC shall provide

- a) Power connection with necessary switch of ODU & IDU locations.
- b) Drain point near IDU.

2.1.2 DMRC is an ISO-14001 & OHSAS 18001 certified Organization for Environment, Health & safety. The work is to be carried out as per International Norms/Standards and in such a manner that all premises always look Neat & Clean. Similarly, the waste disposal is also carried out in totally sealed manner without affecting the Environment.

## SECTION 3

TENDER PRICES AND  
SCHEDULE OF PAYMENT

## 3.0 Tender Prices

- a. Unless explicitly stated otherwise in the Tender Documents, the contractor shall be responsible for the whole works, based on the Bill of Quantities and payment shall be as per accepted rates based on the activities carried out as in the Schedule of work.
- b. The rate quoted by the tenderer shall be inclusive of all duties, taxes, fees, octroi and other levies, tools & tackles and labour charges etc.
- c. All duties, taxes, fees, octroi and other levies etc shall be applicable as per Indian government statutory norms.

## 3.1 Schedule of Payment

3.1.1 The payment shall be made as under: -

- (a) 60% of agreement rates of respective items after successful delivery material at site.
- (b) 20% of agreement rates of respective item after successful installation.
- (c) 20% of agreement rates of respective items after testing, commissioning and completion of work in all respect.

3.1.2 (a) Maximum of two part payments and one final payment during the contract period shall be done.

(b) No advance payment shall be made.

(c) The payment shall be made subjected to submission of jointly signed report of DMRC Engineer in charge & your representative.

(d) Payment shall be subjected to deduction of all T.D.S as per applicable law.