

DELHI ELECTRICITY REGULATORY COMMISSIONTENDER DOCUMENTMarch 2021

Tender No. F.2(113)/Estt./DERC/2016-17/

Name of work: **Supply, Installation and Commissioning of Variable Refrigerant Flow Air Conditioning System (Heating & Cooling) for Conference Hall of DERC premises.**

Complete bid document which includes Notice Inviting Tender, General Terms and Conditions, Technical Bid, Financial Bid and Formats etc. can be downloaded from DERC website: [www.derc.gov.in](http://www.derc.gov.in). Any amendment(s)/ corrigendum / clarifications with respect to this Bid shall be uploaded on the above website only. The Bidder should regularly follow up for any Amendment / Corrigendum / Clarification on the above website.

**Sub: Supply, Installation and Commissioning of Variable Refrigerant Flow Air Conditioning System (Heating & Cooling) for Conference Hall of DERC premises.**

Dear Sir/Madam,

1. The Commission intends to carry out the work of Supply, Installation and Commissioning of Variable Refrigerant Flow Air Conditioning System (Heating & Cooling) for Conference Hall of DERC premises.
2. The **Notice Inviting tender sheet** is enclosed at **Annexure 1**
3. The **General Terms & Conditions** are enclosed at **Annexure 2**
4. The **Technical Bid** to be submitted in the letter head of the in the format provided at **Annexure 3**
5. The **Technical Specifications** for AC works to be submitted in the letter head of the Bidder and submit along with **Technical bid** and enclosed at **Annexure 4**
6. The **Financial Bid** to be submitted in the letter head of the Bidder in sealed cover as per schedule of requirement enclosed at **Annexure 5**
7. Format of 'Performance Bank Guarantee (PBG) is enclosed at **Annexure 6**
8. The last date and time of receipt of tender is **14.04.2021** at **1500 Hrs.**
9. Tender received after stipulated date and time will not be considered. The bids received within the stipulated date and time will be opened by the Purchase & Works Committee on the same day i.e., 14.04.2021 at **1600 Hrs.**

(Nalini Dubey)  
Personnel Officer

<b>Notice Inviting tender sheet</b>	
Tender No :	F.2(113)/Estt./DERC/2016-17
Organization Name :	DELHI ELECTRICITY REGULATORY COMMISSION
Contact Details	Official's Name   Nalini Dubey, Personal Officer
	Address   O/o the Secretary ,DERC , Viniyamak Bhawan, C -Block, Shivalik, Malviya Nagar, New Delhi -110017 PH : 011-26673608/41080417
	City   New Delhi
Name of Work :	<b>Supply, Installation and Commissioning of Variable Refrigerant Flow Air Conditioning System (Heating &amp; Cooling) for Conference Hall of DERC premises</b>
Mode of Tender Submission :	Sealed bid
Tender Type :	Open
Type of Contract:	Works
Last date & time of submission of tender document :	<b>14.04.2021</b> at 15.00 hrs
Date & time of opening of tender document :	<b>14.04.2021</b> at 16.00 hrs
Base Currency :	INR
Payment Details	
EMD Amount (INR):	Rs. 30000/-
Bid Validity Period (Days):	90 Days
Project Duration :	30 days
Eligibility Criteria :	<ol style="list-style-type: none"> <li>1. The Bidder should be either an original equipment manufacturer of package/ ductable AC / Cassette AC units/VRV based of makes LG/ Hitachi / Daikin/ O-General / Mitsubishi or their authorized dealer.</li> <li>2. Average annual financial turnover of the Bidder during the last three years, ending 31<sup>st</sup> March 2020 should be Rs. 15 Lakhs.</li> <li>3. The Bidder should have experience of having successfully completed similar works in any department of Central Govt. or Central autonomous body or Central PSUs or any department of State Govt. or State autonomous body or State PSUs or private companies during last Seven Years ending previous day of last date of submission of tender: <ol style="list-style-type: none"> <li>a. Three similar completed works each costing not less than Rs. 6 Lakhs or</li> <li>b. Two similar completed works each costing not less than Rs. 7.5 Lakhs or</li> <li>c. One similar completed work costing not less than Rs.12 Lakhs</li> </ol> <b>(Similar work means: SITC of Package/ductable/cassette AC Units)</b> </li> <li>4. The Bidder should have Goods and Service Tax (GST) registration.</li> <li>5. The Bidder should either have EPF registration or submit a self declaration that EPF is not applicable to the Bidder, with reasons thereof.</li> <li>6. The Bidder should either have ESI registration or submit a self declaration that ESI is not applicable to the Bidder, with reasons thereof.</li> <li>7. The Bidder and/or its electrician should possess a valid Electrical License of</li> </ol>

	<p>appropriate voltage issued by Delhi State.</p> <p>8. The Bidder shall file a self-declaration that they have not been black listed/debarred by any department of Central / State Government/ PSU or private companies in last 5 years</p>
Documents to be submitted :	<ol style="list-style-type: none"> <li>1. A Power of Attorney duly notarised by the Notary Public, indicating that the person(s) signing the bid has the authority to sign the bid and that the bid is binding upon the Bidder during the full period of its validity.</li> <li>2. A document showing OEM status of the Bidder, or their authorized dealer.</li> <li>3. A document showing the financial turnover of the Bidder during last 3 years, certified by the CA or copy of the last 3 years balance sheet profit &amp; loss accounts duly signed by Auditor.</li> <li>4. Completion certificates of works. The completion certificate should be signed and stamped by the authorized person of the companies.</li> <li>5. Goods and Service Tax (GST) registration letter.</li> <li>6. Copy of PAN card of the bidder.</li> <li>7. EPF registration letter/self declaration regarding its non-applicability.</li> <li>8. ESI registration letter/self declaration regarding its non-applicability.</li> <li>9. Valid Electrical License of appropriate voltage issued by Delhi State</li> </ol> <p>Note-</p> <ol style="list-style-type: none"> <li>1. EMD in the shape of Demand Draft in favour of "Secretary, Delhi Electricity Regulatory Commission, New Delhi" should be of exact amount and should not have been issued by the bank before the date on which NIT was published on the website.</li> <li>2. The Bidder shall attach self attested photo copies of the above documents along with his bid.</li> <li>3. The Bidders furnishing false /fabricated experience certificate /documents shall be debarred from participating in DERC future tenders.</li> </ol>

Nalini Dubey,  
Personal Officer

**General Terms & Conditions**

1. **Description of Work.** Supply, Installation and Commissioning of Variable Refrigerant Flow Air Conditioning System (Heating & Cooling) for Conference Hall of DERC premises.
2. **Earnest Money Deposit.** Bidders are required to submit Earnest Money Deposit (EMD) for an amount of **Rs. 30,000/-** along with their bids. However, Bidders registered with Micro Small and Medium Enterprises / National Small Industries Corporation (MSME/NSIC) are exempted from depositing EMD as per the provisions of GFR 181. The EMD is to be submitted in the form of an Account Payee Demand Draft in favour of "*Secretary, Delhi Electricity Regulatory Commission*" payable at New Delhi from any of the Public Sector Banks. The EMD or MSME/NSIC certificate is to be submitted in a separate sealed envelope which shall be opened first. In case, there is no appropriate EMD or MSME/NSIC certificate in that envelope, then the Technical & Financial Bids will not be opened for that Bidder. Bids without EMD will be rejected as non-responsive.
3. EMD of the unsuccessful bidders will be returned after the award of the contract. The EMD of the successful bidder would be returned, without any interest whatsoever, after the submission of the CPG.
4. **Manner of depositing the Bids**
  - i. **Bids shall be submitted in three envelopes, namely;**
    - (i) **Earnest Money Deposit**
    - (ii) **Technical bid along with Technical Specification**
    - (iii) **Financial bid**

The envelopes shall mention name of assignment and content of envelope (Technical Bid/Financial Bid/EMD) at the top, and the name of the submitting bidder at the left hand corner of the envelope. The bids shall be submitted in the enclosed formats.
  - ii. **These three envelopes shall be sealed in a large envelope. This envelope shall mention name of assignment at the top and the name of the submitting bidder at the left hand corner of the envelope.**
  - iii. Earnest Money Deposit of Rs. 30,000/- (Rupees Thirty Thousand only) in form of Demand Draft in favour of Secretary, DERC, payable at New Delhi, shall be kept in a separate sealed envelope. **In case, separate envelope carrying suitable EMD is not found in the large envelope, technical bid of such bidders shall not be opened.** Any tender not accompanied by acceptable Earnest Money Deposit will be summarily rejected as non-responsive.
  - iv. The Technical bid shall comprise of duly filled Annexure-3 along-with Technical Specification as per Annexure 4 all enclosures specified at Annexure-3. **In case all the documents in support of eligibility criteria mentioned in Annexure-3 & Annexure 4 are not found enclosed in the technical bid envelope, the bid shall be summarily rejected as non-responsive and financial bid of such bidders shall not be opened.** All Technical documents like literature, catalogues, etc., if any, shall be placed in the same sealed cover of technical bid. The technical bid shall not indicate particulars of the Financial bids otherwise the bids shall be liable to be rejected.
  - v. Each page of bid should be numbered and signed by the authorized signatory with the seal of the Bidder. Further, any cutting, addition or overwriting on any page of the bid, shall be clearly marked and signed by the authorized signatory.

- vi. A Power of Attorney duly notarised by the Notary Public, indicating that the person(s) signing the bid has the authority to sign the bid and that the bid is binding upon the Bidder during the full period of its validity, shall be submitted.
5. No change in the amount of bid shall be permitted after submission of the bids. All the documents shall be duly signed and stamped by authorized person of bidder/supplier.
6. Sealed Bids should be either dropped in the Tender Box placed at Commission's Reception or sent by registered post at the address of Commission so as to reach on or before by 1500 Hrs on **14.04.2021**. Late tenders will not be considered. No responsibility will be taken for postal delay or non-delivery/non-receipt of Bid documents. Bids sent by FAX or E-mail will not be considered.
7. Bidders are advised to visit the O/o DERC to assess the required work and familiarize themselves with the local conditions and the work involved. The Bidders may, accordingly, quote their rates for the required work.
8. **Specifications.** Variable Refrigerant Flow Air Conditioning System (Heating & Cooling) shall strictly as per the specifications (**Annexure-4 & technical specification stated in Financial Bid Schedule – I & II**).
9. **Time and date for opening of Bids.** The bids will be opened on **14.04.2021 at 1600 Hrs**. If due to any exigency, the due date for opening of the Bids is declared a closed holiday, the Bids will be opened on the next working day at the same time or on any other day/time, as intimated by DERC. The Bidders may depute their representatives, duly authorized in writing, to attend the opening of Bids. This event will not be postponed due to non-presence of representative of the bidder.
10. **Rejection of Bids.** Canvassing by the Bidder in any form, unsolicited letter and post-tender correction, unsigned bids shall be summarily rejected and may lead to forfeiture of EMD. Conditional/part tenders will also be rejected.
11. **Validity of Bids.** The prices quoted in the Bids shall remain valid for **90 days** from the last date of submission of the Bids.
12. **Bid Tender amount, Taxes and Duties.** The Bidder shall quote separately, the base price of Goods & services, and applicable taxes and duties. The evaluation of the Financial Bids will be based on the total price, i.e., base price + AMC charges + Taxes. The base price of Goods & services shall be firm and final. No escalation whatsoever shall be payable. The applicable taxes and duties shall be paid as per actual.
13. **Defect Liability Period.**
- Defect liability period for the Equipment including consumables shall be one year from the date of Completion and commissioning of the of Air Conditioning Work. The Guarantee period for the Compressor including associated consumables shall **be six years** from the date of completion of Work.

14. The successful bidder shall sign an agreement within 10 days of issuance of Work Order by the Commission and also simultaneously furnish a "Performance Bank Guarantee" of 3% (Three percent) of the Contract value in form of Demand Draft/Bank Guarantee/Fixed Deposit Receipt in favour of "Secretary, Delhi Electricity Regulatory Commission", to be valid upto a period of 16 months from the date of award. In case, the successful bidder fails to furnish the desired "Performance Bank Guarantee" within stipulated time period, the Commission reserves the right to terminate the Contract and forfeit the EMD. **After the completion of defect liability period of one year, the contractor has to renew the performance bank guarantee for 10% of CAMC (comprehensive annual maintenance contract) period of further 5 years.**
15. **Terms of Work Order.**
- (a) The successful bidder shall have to complete the works within 60 days from the date of Work Order / award of the contract & unless the period is extended by mutual agreement.
- (b) The Material used in the works must be in brand new condition. Old/sub-standard/re-used/ open seal Material will be returned and vendor will have to replace such material on his own expanses.
16. **Liquidated Damages.** The works of Variable Refrigerant flow Air Conditioning System (Heating & Cooling) with 2 years AMC mentioned in BOQ shall be completed within the time schedule as indicated herewith. The Contractor shall be liable to pay liquidated damages as compensation for an amount equal to 0.25 % of the contract price of the whole work for every day's delay but not exceeding 10% on the total value of the order.
17. **Payment terms**
- (a) 75% payment will be made after supply of equipment/ material at site.
- (b) Balance 25% payment will be made after successful installation, Testing & Commissioning of equipment/ material at site based on verification and certification by DERC.
- (c) AMC payment will be made on quarterly basis after completion of the each quarter.
- (d) The invoice shall be raised in favor of "Secretary, Delhi Electricity Regulatory Commission".
- (e) Payment will be released through RTGS/NEFT/IMPS in the name of Contractor.
- 17.A. **Price Variation:** Firm price contract no escalation shall be allowed.
18. **Termination of Contract.** The Commission shall have the right to terminate this Contract in part or in full in any of the following cases, if:-
- (a) The work is delayed for more than 15 days beyond the scheduled date indicated in the Work Order, for reasons attributable to the Contractor.
- (b) The Contractor is declared bankrupt or becomes insolvent.
- (c) For any other reasons which is in the opinion of Commission warrants cancellation of contract award.

19. In case the successful bidder fails to fulfill its obligations upto AMC period, the Commission would be entitled to forfeit the Performance Bank Guarantee furnished by them.
20. **Indemnity Bond**. The successful Bidder shall submit an indemnity bond, indemnifying DERC from the following, on a stamp paper of Rs. 100 duly signed by the authorized signatory within 3 working days from the date of work order, and before commencement of work at site:
- (a) Any third party claims, civil or criminal complaints /liabilities, site mishaps, fire hazards & other accidents including death of any person/s or dispute and /or damages occurring, or arising out of any mishaps at site due to his/his employee/representative fault or negligence.
- (b) All claims, demands, actions, proceedings, losses, damages, liabilities, cost, charges, expenses or obligations that are occasioned to or may occasion to the Contractor as a result of nonpayment of any statutory dues levied/Taxes e.g. leviable on the Contractor or the Contractor committing breach of any of the rules, regulations, orders, directives, instructions that may be issued by any authority under the Central Government/State Govt. or any statute or law for the time being in force.
- (c) Any damages, loss, death or expenses due to or resulting from any negligence or breach of duty on his/his employee/representative part.
21. Electricity & Water for erection, commissioning and testing of equipment shall be provided by Commission free of cost. However, Commission does not guarantee the continuity of supply and no compensation whatsoever shall be allowed on this account.
22. The work shall be carried out by the Contractor in a manner complying in all respect with the requirement of relevant bye-laws/orders of the Local/Municipal bodies and pay all fees and charges which may be leviable at his own cost. Wherever local bye-laws require engagement of licensed Plumbers/Electrical inspectors or any other specialized persons, the Contractor shall engage them at his own cost. The completion certificates, wherever applicable, to meet the statutory obligations, shall be arranged by the Contractor.
23. The Contractor shall provide, at his own cost, all materials, plants, tools, equipments, appliances, implements, Ladder, cordages, tackle, scaffolding and temporary works, required for proper execution of the work, whether original, altered or substituted and whether included in the specifications or other documents forming part of the contract or not, or which may be necessary for the purpose of satisfying or complying with the requirements of the DERC as to any matter under these conditions he is entitled to be satisfied, or which he is entitled to require together with carriage thereof to and from the work. The Contractor shall deploy without charge the requisite personnel with means and materials, necessary for the purpose of setting out the works, counting, weighting, and assisting in measurements or examination of the work from time to time.
24. The quantities shown against the various items of works are approximate. Any increase or decrease in the quantities shall be extended by the contract for completing its work and payment will be made as per actual quality supplied & examining.
25. The sealed proposal should be submitted to the following address:-

**The Secretary,**

Delhi Electricity Regulatory Commission,  
Viniyamak Bhawan, C-Block, Shivalik,  
Malviya Nagar, New Delhi-110017.



Ph. No.: 011-26673608, 41080417

26. DERC reserves the right to accept or reject any/all proposals without assigning any reason or incurring any liability whatsoever.

(Nalini Dubey)  
Personnel Officer

Signature of Authorized signatory

**TECHNICAL BID**  
**(In the letter head of Bidder)**

1.	Full name of the Agency	
2.	Complete Address	
3.	Name of Proprietor / Partners / Directors	
4.	Contact Number	Office : Residence
5.	Commercial Registration Number (enclose proof)	
6.	PAN Number, (attach copy of PAN Card)	
7.	GST Number (enclose a copy)	
8.	Turn Over of last 3 financial years i.e., FY 2018-19, FY 2019-20 & FY 2020-21 (enclose CA certificates)	
9.	Bank Account Details	
10.	Electrical license of appropriate voltage valid till date issued by Delhi State (enclose copy)	
11.	EPF & ESI registration (enclose proof)	

**Declaration:**

I/We hereby declare the I/We have read & understood all the terms & conditions mentioned in the Tender inviting letter and I/We undertake myself/ourselves to abide by them. I/We further, declare that all the information given above is true.

I further declare that my/our Firm has never been blacklisted / debarred by any department of Central / State Government/ PSU in last 5years.

*Enclosures with technical bid:*

- a) *A Power of Attorney duly notarised by the Notary Public, indicating that the person(s) signing the bid has the authority to sign the bid and that the bid is binding upon the Bidder during the full period of its validity.*
- b) *CA certificate in support of last three years turnover or copy of the balance sheet profit & loss accounts duly signed and stamped by the Auditors.*
- c) *Valid Electrical License of appropriate voltage issued by Delhi State.*
- d) *Copy of valid Goods & Service Tax of Delhi state.*
- e) *EPF registration letter/self declaration regarding its non-applicability.*
- f) *ESI registration letter/self declaration regarding its non-applicability.*
- g) *Copy of PAN card.*
- h) *Document showing OEM status of the Bidder, or their authorized dealer.*
- i) *Completion certificates of works. The completion certificate should be signed by the authorized person of company.*

(Signature of Bidder)

Place :

Name

Date:

**TECHNICAL SPECIFICATIONS****1.0 AC Units:**

The Air Conditioning units shall have compressor, evaporator, condenser, dehumidifier, thermostatic/ electronic expansion valve and other required components for proper functioning of the unit, all contained in the cabinet of the unit.

**2.0 General:**

- a) The work shall be carried out as per these 'Technical Specifications' stated in Financial Schedule I & II .
- b) In case any item(s) or part thereof is not covered under these specifications, the same shall be carried out as per relevant CPWD specifications.
- c) For items not covered in the above clauses, the work shall be carried out as per the instruction of the DERC.
- d) All site preparatory work shall have been carried out prior to the Commencement of the installation.
- e) Lifting of new A.C unit to the desired destination and vice-versa, with the help of heavy labour & chain pully block shall be responsibility of the Contractor. Nothing extra shall be paid on this account.
- f) Contractor shall carry out the Leak testing of the entire system.
- g) Contractor shall carry out the Cutting/chipping of RCC and masonry wall/ceiling/false ceiling required and mending good the damages and final finishing and painting to match with the existing finish of wall/ceiling surface/false ceiling etc. without any extra cost.
- h) Contractor shall carry out the wiring/cable etc. as required with proper dressing and saddles.
- i) Contractor shall bring all tools & tackles required to carry out the work, no T&P etc. shall be provided by DERC.
- j) Contractor shall follow the relevant IE rules/acts etc. during execution of work.
- k) Any defects of Workmanship, materials, performance, and maladjustment, non-compliance with this specification or other irregularities which become apparent shall be rectified by the Contractor, at its own expense, until the whole Works is free from defects and in full working order to the complete satisfaction of the DERC.
- l) Contractor shall carry out the work as per directions of DERC.
- m) Contractor shall clean & dispose the released scrap/material etc. as per DERC requirement.
- n) As per the site requirement work may be carried out during night hours or on holidays, nothing shall be paid extra on this account.
- o) The Contractor shall also be responsible to repair the defects/ faults arise during the defect / faults arise during the defect liability period after the completion of work.

**3.0 Corrective Maintenance.**

- a) The corrective/ Breakdown Maintenance is to be carried out any time during 24hrs x365 days inclusive of all Sundays & Holidays.
- b) For every maintenance or servicing work progress, Contractor shall prepare a work progress report, signed by Contractor's service Engineer and DERC staff. First copy of it will be handed over the DERC and second would be retained by Contractor's service engineer.

**4.0 Manpower deployment.**

- a) The Contractor shall deploy the manpower in consultation with DERC and carry out the activities in hygienic manner.
- b) The manpower can also be deployed during OFF days/holidays/night hours as per the requirements for which nothing shall be paid extra.
- c) All the work associated with finishing complete in all respect shall be carried out by Contractor for which nothing shall be paid extra.

**FINANCIAL BID**  
**(In the letter head of Bidder)**

**Tender for the Supply, Installation and Commissioning of Variable Refrigerant Flow Air Conditioning System (Heating & Cooling) for Conference Hall of DERC premises.**

To,

The Secretary,  
 DERC, New Delhi.

Sir,

1. I/We have read and understood the contents of the Tender and agree to abide by the terms and conditions of this Tender.
  2. I/We also confirm that in the event of my/our tender being accepted, I/we hereby undertake to furnish applicable Performance Bank Guarantee for obtaining the Work Order.
  3. I/We further undertake that none of the Proprietor/Partners/Directors of the firm was or has been blacklisted / debarred by any department of Central / State Government/ PSU in last 5years, nor any criminal case registered against them / the firm. I/We further undertake to report to Secretary DERC, New Delhi immediately if any such action is taken in future against the Firm / Proprietor / Partners / Directors.
27. **Financial Bid** - For Supply, Installation and Commissioning of Variable Refrigerant Flow Air Conditioning System (Heating & Cooling) for Conference hall of DERC premises, our lowest rates are as follows:-

<b>Head</b>	<b>Amount (INR)</b>
Schedule-1 including taxes & duties	
Schedule-2 including taxes & duties	
<b>Total</b>	

Signature of Authorized signatory

## Financial Bid Form: Schedule of work

## Schedule-1

S. No.	Description of Items	Qty		Rate	Unit	Amount
1	Supply Installation, Testing & Commissioning of modular type Variable Refrigerant Flow/Variable Refrigerant Volume air cooled Outdoor units suitable for cooling and heating, having all hermetically sealed inverter type Scroll Compressor(s), minimum two compressors for above 14 HP modules, microprocessor based Controller, top discharge type condensing unit(s), with R 410 A Refrigerant, vibration isolators, with suitable foundation etc. complete as required. The unit shall deliver the rated capacity at AHRI Conditions and work even at 50°C ambient temperature without tripping. The unit shall be suitable to work on 400V +/- 10%, 3 Phase, 50Hz AC power supply. The unit shall be filled with first charge of the refrigerant and ready for use as required.					
	The ODU shall have low noise condenser fans with external static pressure of the outdoor unit shall be more than 7.5 mm of water gauge to avoid hot air recirculation, auto address setting, auto check function for connection error and complete with indoor and outdoor units with individual controller and with fittings etc. The compressor and VRV/VRF Outdoor make should be same. For enhanced energy savings the COP of each refrigerant circuit system mentioned below shall be 7.50 minimum at 50% load, at AHRI Condition in cooling mode. The unit shall also have feature to automatically modulate the evaporative temperature between 6 deg C to 11 deg C with respect to load for better comfort and energy efficiency. (Unit shall deliver atleast 87% of mentioned nominal capacity @ 43 Deg C). The Unit should have free phase technology so that unit can work in case of phase reversal also without tripping of units.					
a	8 HP VRV X Heating and Cooling	1	HP		HP	
b	6 HP VRV X Heating and Cooling	1	HP		HP	
2	Supply, installation, testing and commissioning of following minimum capacity 4-way flow VRV/VRF Cassette Type Indoor ceiling mounted unit equipped with synthetic washable media pre-filter, fan section with low noise fan/dynamically balanced blower, multispeed motor, coil section with DX Copper coil, electronic expansion valve, outer cabinet, drain pump, grill, necessary supports, vibration isolation, cord less remote control etc., suitable for operation on single phase 230 V ± 10%, 50Hz AC supply, complete, as required. The unit shall have automatic force shut down provision in case of fire on receiving signal from BMS System. The cooling capacity of indoor unit will be at air inlet conditions of 27 Degree C DB and 19 Degree CWB temperature.					

a	1.65 TR Round Flow Cassette	1	Nos.		Each	
b	2.08 TR Round Flow Cassette	2	Nos.		Each	
c	2.65 TR Round Flow Cassette	2	Nos.		Each	
4	Supplying, installation, testing & Commissioning of Refrigerant 'Y' Joint with insulation required for distribution of refrigerant in copper piping etc. complete as required	5	Nos.		Each	
5	Providing & fixing Cordless remote for above capacities of cassette units etc as required.	5	Nos.		Each	
6	Supply, Installation, testing and commissioning including vaccumiazation and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV/VRF system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-O tubular insulation/with Class-O closed cell elastometric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc. as required :					
a	6.4 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	10	Mtrs.		Mtr	
b	9.5 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	30	Mtrs.		Mtr	
c	12.7 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19mm thick insulation	20	Mtrs.		Mtr	
d	15.86 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19mm thick insulation	30	Mtrs.		Mtr	
e	19 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	10	Mtrs.		Mtr	
f	22.2 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	5	Mtrs.		Mtr	
7	Providing & fixing of Rigid UPVC pipe complete with fittings, supports as per specifications and duly insulated with 6 mm thickness of closed cell nitrile rubber insulation in surface/recess i/c cutting the wall in case of recess making good the same etc. as required					
a	50 mm	10	Mtrs.		Mtr	
b	40 mm	30	Mtrs.		Mtr	
c	32 mm	40	Mtrs.		Mtr	
8	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders with 18 guage covered etc. as required					

a	200 mm width X 50 mm depth X 1.6 mm thickness	80	Mtrs.		Mtr
9	Providing and fixing of 2 core 1.5 sqmm PVC insulated and PVC sheathed bright annealed copper conductor cable for communication indoor and outdoor as per manufacture standard between indoor unit/outdoor unit/controllers inside building in existing steel/PVC Conduit, on surface/existing channel, i/c making connection etc as required	130	Mtrs.		Mtr
10	Supplying and fixing XLPE insulated PVC sheathed armoured alluminium conductor cable suitable for 1.1 KV grade on surface etc. as required. a. 3.5x35 square mm	30	Mtrs.		Mtr
	Loading and unloading of units	1	Job		Job
					<b>Total</b>

**Taxes & duties**

Tax Head	Rate (%)	Amount(INR)
<b>Grand Total of Schedule-1 (Base price + Taxes &amp; duties) (INR)</b>		

Signature of Authorized signatory



**Schedule-2****Comprehensive Annual Maintenance Contract (CAMC) for five (5) years**

<b>Routine, Preventive and Breakdown</b> maintenance of 14 (8+6) HP VRV AC units including its all accessories, condensers, evaporator units, time to time checking of refrigerant leakage, electrical circuits, etc. for smooth operation of the entire AC units .			
<b>1 st year after DLP (Default Liability Period)</b>	<b>1</b>	Job	
		GST @18%	
		TOTAL	
<b>2 nd year</b>	<b>1</b>	Job	
		GST @18%	
		TOTAL	
<b>3 rd year</b>	<b>1</b>	Job	
		GST @18%	
-	-	TOTAL	
<b>4 th year</b>	<b>1</b>	Job	
		GST @18%	
		TOTAL	
-	-		
<b>5th year</b>	<b>1</b>	Job	
		GST @18%	
		TOTAL	

**Taxes & duties**

<b>Tax Head</b>	<b>Rate (%)</b>	<b>Amount(INR)</b>
<b>Grand Total of Schedule-2 (Base price + Taxes &amp; duties) (INR)</b>		

## Note:

1. The above CAMC prices are excluding AMC charges for Compressor. The cost for AMC of compressor for 6 years from the date of completion of work is included in Prices quoted in Schedule-1.
2. The CAMC period of the equipment shall commence after Defect Liability period of one year from the date of completion of Work, as per clause 13 of the bid document

(Signature of Bidder)

Name  
Designation

Place:

Date:

Signature of Authorized signatory

**Annexure-6**

## BANK GUARANTEE FOR PERFORMANCE SECURITY

(To be stamped in accordance with Stamp Act)

Ref ..... Bank Guarantee No.....

Date.....

To

Delhi Electricity Regulatory Commission  
 Viniyamak Bhavan,  
 C Block, Shivalik,  
 Malviya Nagar  
 New Delhi – 110017

Dear Sir,

In consideration of the DERC (hereinafter referred to as the 'Commission', which expression shall unless repugnant to the context or meaning thereof include its successors, administrators and assigns) having awarded to M/s \_\_\_\_\_ (Firm Name) with its Registered/Head Office at \_\_\_\_\_ (hereinafter referred to as the Firm, which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns), a Contract, by issue of Commission's Letter of Award No. \_\_\_\_\_ dated \_\_\_\_\_ and the same having been unequivocally accepted by the Firm, resulting into a Contract valued at Rs. \_\_\_\_\_ for \_\_\_\_\_ (Scope of Contract) \_\_\_\_\_ and the firm having agreed to provide a Contract Performance Guarantee for the faithful performance of the entire Contract equivalent to 10% (ten percent) of the said value of the Contract to the Commission.

We \_\_\_\_\_ (Name & Address of the Bank), having its Head Office at \_\_\_\_\_ (hereinafter referred to as the 'Bank', which expression shall, unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns) do hereby guarantee and undertake to pay the Commission, on demand any and all monies payable by the Firm to the extent of \_\_\_\_\_ as aforesaid at any time upto \_\_\_\_\_ @ \_\_\_\_\_ (days/month/year) \_\_\_\_\_ without any demur, reservation, contest, recourse or protest and/or without any reference to the Firm. Any such demand made by the Commission on the Bank shall be conclusive and binding notwithstanding any difference between the Commission and the Firm or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. The Bank undertakes not to revoke this guarantee during its currency without previous consent of the Commission and further agrees that the guarantee herein contained shall continue to be enforceable till the Commission discharges this guarantee.

The Commission shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee from time to time to extend the time for performance of the Contract by the Firm. The Commission shall have the fullest liberty, without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the Consultant, and to exercise the same at any time in any manner, and either to enforce or to forbear to enforce any covenants, contained or implied, in the Contract between the Commission and the Consultant or any other course or remedy or security available to the Commission. The Bank shall not be relieved of its obligations under these presents by any exercise by the Commission of its liberty with reference to the matters aforesaid or any of them or by reason of any other act or forbearance or other acts of omission or commission on the part of the Commission or any other indulgence shown by the Commission or by any other matters or thing whatsoever which under law would, but for this provision, have the effect of relieving the Bank.

The Bank also agrees that the Commission at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Consultant and notwithstanding any security or other guarantee that the Commission may have in relation to the Firm's liabilities.

Notwithstanding anything contained hereinabove our liability under this guarantee is restricted to \_\_\_\_\_ and it shall remain in force upto and including \_\_\_\_\_\* \_\_\_\_\_ and shall be extended from time to time for such period (not exceeding one year), as may be desired by M/s \_\_\_\_\_ (Firm Name) on whose behalf this guarantee has been given.

In witness whereof the Bank, through its authorized Officer, has set its hand and stamp on this \_\_\_\_\_ day of \_\_\_\_\_ 201\_\_\_\_ at \_\_\_\_\_

Witness :

(Signature) (Signature)

(Name) (Name)

(Official address) (Designation with Bank stamp)

(Attorney as per Power of Attorney

No. \_\_\_\_\_

Dated \_\_\_\_\_)

NOTE: 1. \* This sum shall be three percent (3%) of the Contract Price.

@ The date will be 15 months from the date of award of assignment.

2. The Stamp Paper of appropriate value shall be purchased in the name of guarantee issuing Bank or the Party on whose behalf the BG is being issued. The Bank Guarantee shall be issued on a stamp paper of value as applicable in the State of India from where BG is issued or NCT of Delhi, whichever is higher.