

King George's Medical University UP India

Ref. No. E/598/EE (E/M) 24

Dated: 25-06-2024

E-Tender Notice

Online E bid are hereby invited in two bid system from OEM or their authorized dealer for the work of Supply, installation, testing and commissioning of 22 HP variable refrigerant system at Paediatric Surgery Department, KGMU, Lucknow From eligible contractors who fulfill the eligibility criteria as given in the bid document. The detailed NIT complete with bid document shall be available for downloading on e-tender portal: www.etender.up.nic.in from 26-06-2024 at 12.00 PM to 10-07-2024 upto 12:00 PM. The complete e-bid (Technical Bid & Financial Bid) can be submitted online through above e-tender portal www.etender.up.nic.in till 10-07-2024 upto 12:00 PM and the same shall be opened on 10-07-2024 at 3:00 PM.

Executive Engineer (E/M)

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King George's Medical University UP India

NOTICE INVITING E-TENDER

Online E bid are hereby invited in two bid system from OEM or their authorized dealer for the work of Supply, installation, testing and commissioning of 22 HP variable refrigerant system at Paediatric Surgery Department, KGMU, Lucknow From eligible contractors who fulfill the eligibility criteria as given in the bid document. The detailed NIT complete with bid document shall be available for downloading on e-tender portal: www.etender.up.nic.in from 26-06-2024 at 12:00 PM to 10-07-2024 upto 12:00 PM. The complete e-bid (Technical Bid & Financial Bid) can be submitted online through above e-tender portal www.etender.up.nic.in till 10-07-2024 upto 12:00 PM and the same shall be opened on 10-07-2024 at 3:00 PM. This NIT can also be viewed at the University website www.kgmu.org

The Vice Chancellor reserves the right to accept or reject any or all e-Bids or annul the bidding process at any stage without assigning any reason thereof.

Schedule of Tender

Sr.No.	Particulars	
1	Date of publishing E-tender notice	E/598/EE (E/M) 24, dated 25-06-2024
2	Bid submission start date and time	26-06-2024 at 12:00 PM
3	Bid submission last date and time	10-07-2024 at 12:00 PM
4	Pre-Bid meeting date and time	28-06-2024 at 02:00 PM
5	Bid opening date and time and venue	10-07-2027 at 3:00 PM

Important Terms and Conditions: -

1. The details of tender terms & Condition are mentioned in Tender documents.
2. Tender participation Fee (Non-refundable): Rs. 3000.00 + GST @ 18% = 3540.00 (only in the form of Demand Draft from any Nationalized/ schedule bank in favour of Finance Officer, KGMUUP Lucknow, payable at Lucknow).
3. EMD/Bid Security (Refundable) – Rs 293000/- (in the form of FDR from any nationalized/schedule bank in the favour of Finance Officer, KGMUUP Lucknow).

Note: -Scanned copies of DD & FDR for the tender fees and earnest money will have to be uploaded with PDF file along with a technical bid and the original copies of the same have to be submitted to the Office of the Executive Engineer (E/M), KGMU Lucknow before prescribed date and time of the tender as mentioned in the tender form.

(Executive Engineer, E/M)
KGMUUP, Lucknow

Letter No.....dated.....

Copy to forward for necessary action

1. Registrar, King George's Medical University, Lucknow.
2. P.S. to Hon'ble V.C.
3. Faculty In charge I.T. cell, KGMU for uploading the same on KGMU Website.
4. Notice Board

(Executive Engineer E/M)
KGMUUP, Lucknow

Scheduled to Tender

Sl.	Term of Reference	Particulars
1	Bid Reference No.	E/598/EE (E/M) 24, dated 25-06-2024
2	Type of Bidding Process	Two Bid System (Part-I: Technical Bid & Part-II: Financial Bid)
3	Title of Tender	Supply, installation, testing and commissioning of 22 HP variable refrigerant system at Pediatric Surgery Department, KGMU, Lucknow.
4	Estimated cost of the work including GST	Rs. 29.22 lakh
5	Date of Publication of Bid notice	25-06-2024
7	Period for submission of Bid	26-06-2024 to 10-07-2024
8	Date of opening of Bids	10-07-2024 at 3:00 PM
9	Fee of Bids (Non-refundable)	Rs. 3000.00 + GST @ 18% = 3540.00 (only in the form of Demand Draft from any Nationalized/ schedule bank in favour of Finance Officer, KGMU Lucknow, payable at Lucknow)
10	Earnest Money Deposit/ Bid Security (Refundable)	All bidder will furnish an FDR of Rs.293000/- (Rupees two lakh ninety three thousand only) from any nationalized/schedule bank to be pledged for one year in the favour of Finance Officer, KGMU Lucknow
12	Website for submission of Bid	www.etender.up.nic
13	Bid Validity	180 days from the last date of submission of e-Bid
14	Website address of Institute	www.kgmu.org
15	E-mail address	Eng.electric@kgmcindia.edu
17	Tender Inviting Authority (TIA)	The Executive Engineer(E/M), KGMU Lucknow
18	Venue of Opening-Bids	Office of the Executive Engineer (E/M), KGMU, Lucknow
19	Pre-Bid meeting Date and venue	28-06-2024 at office of Executive Engineer (E/M), KGMU, Lucknow.
20	Any Amendment/Corrigendum/ Clarification	If needed to be published and the same will be uploaded on e-Portal.
21	Legal Jurisdiction	Courts in Lucknow

The Vice Chancellor reserves the right to accept or reject or cancel any or all e-Bids or annul the bidding process at any stage without assigning any reason thereof.

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General Description/ Qualification of the bidders/ conditions

1. OEM or their authorized dealer having experience of execution of similar work and having sound technical and financial capabilities for Supply, installation, testing and commissioning of 22 HP variable refrigerant system at Pediatric Surgery Department, KGMU, Lucknow. The selection shall be done on Eligibility, technical qualification and their lowest quoted rates. The estimated cost of the work is Rs. 29.22 lakh.
2. Name of the work: Supply, installation, testing and commissioning of 22 HP variable refrigerant system at Pediatric Surgery Department, KGMU, Lucknow
3. The bidder should be OEM or their authorized dealer must having authorization or this particular bid. OEM and their authorized dealer both will be responsible for function and performance of the system.
4. The bidder should have work experience of having successfully completed similar works during last five years ending previous day of last date of submission of application as detailed below:
 1. One similar completed work costing not less than the amount equal to Rs. 23.37 lakhs,
or
 2. Two similar completed works costing not less than the amount equal to Rs. 17.53 lakhs,
or
 3. Three similar completed works costing not less than the amount equal to Rs. 11.68 lakhs
4.
5. Similar work means SITC of VRF system in any government, semi Govt. Hospital of not less than 17 HP capacity.
6. The average annual turnover of the tenderer firm should be minimum Rs. 30 lakhs in last three years.
7. An E.M.D of Rs. 293000/- (Rupees two lakh ninety three thousand only) in the form of F.D.R for one year duration from any scheduled/nationalized bank drawn in Favor of Finance officer, King George's Medical University, U.P, Lucknow.
8. In the event of the successful Bidders withdrawing his offer within the validity period or fails to accept the offer for any reason whatsoever, the earnest money deposited by him shall be forfeited by KGMU Lucknow.
9. Regarding Tenderer Grievances the pre-bid conference will be held on date 28-06-2024 at 02 PM. Executive Engineer (E/M) office. All bidders/ firm's representative who are attending the pre-bid meeting shall produce an authorization letter from their firm on the firm's letter head. They are required to put their query in writing before committee and submit the same in writing on its letter head. The competent Authority of KGMU reserves all right to accept or reject any/all tenders without assigning any reason. The competent Authority of KGMU can also impose/relax any administrative term and conditions/specification of tender enquiry after due discussion in pre bid conference. This will be communicated through website of K.G.M.U. No representation will be considered after pre-bid meeting and bidders may ensure putting up their grievances only in pre-bid meeting.
10. Hard Copy of original technical bid must be delivered to Executive Engineer (E/M) KGMU, Lucknow on or before last date/time of Bid submission as mentioned above. The bid without EMD and tender fee will not be entertained.
11. E.M.D of unsuccessful Bidder shall be returned after the completion of bid process.
12. Before submitting the tender, please go through complete tender document and terms and conditions on which the work will be awarded and shall be executed by the successful tenderer.
13. Tenders submitted shall remain valid for 6 month from the date of opening for the purpose of acceptance and award of work. Validity beyond 6 month from the date of opening shall be on mutual consent.

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14. Before tendering, the tenderer should inspect the site/ building/ place to fully acquaint himself about the conditions in regard to functionality of the system, amount of work, accessibility of site, nature and extent of ground working conditions of site and movement of labour etc. required for the satisfactory execution of the work contract. No claim whatsoever on such accounts shall be entertained by the University in any circumstances.
15. The track record of the Tendering firm/contractor should be clean and should not have any involvement in illegal activities or financial misappropriation/frauds etc.
16. The Vice-Chancellor King George's Medical University, U.P, Lucknow reserves the right to accept or reject any or all tender bids without assigning any reasons whatsoever and his decision will be binding on all the parties.
17. Any future clarification and corrigendum shall be communicated through Executive Engineer, Electrical/Mechanical Department, KGMU on the e tender portal.

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OTHER TERMS AND CONDITIONS

1. No alternative offer shall be considered.
2. Bidders shall upload their bids complete with all relevant & required documents.
3. The Bidder shall furnish all details including their experience as per instructions outlined in the tender document. The Bidder or authorized person of the bidder shall sign on all the documents being submitted by them, with seal of the company/firm
4. Bidder should submit all documents in the first instance. No opportunity for additions or modifications shall be allowed. The decision/ directions of the Vice Chancellor, KGMU, Lucknow in this regard, shall be final and binding on the applicants, individually and collectively.
5. Any canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and Contractors who resort to canvassing will be liable to rejection of their Bid.
6. Even though the applicants meet the above criteria, they are subject to be disqualified, if they have made misleading or false representation in their bids.
7. Tender fee (Non-refundable): Rs. 3000.00 + GST @ 18% = 3540.00 (only in the form of Demand Draft from any Nationalized/ schedule bank in favour of Finance Officer, KGMUUP Lucknow, payable at Lucknow).
8. Earnest Money Deposit/Bid Security(Refundable): All bidder will furnish an FDR of Rs. 293000/- (Rupees two lakh ninety three thousand only) from any nationalized/schedule bank in the favour of Finance Officer, KGMU Lucknow. EMD/Bid Security of unsuccessful Bidders shall be refunded after the completion of bid process. EMD may be forfeited if successful bidder fails to comply with any of the condition of the bid/contract.
9. Bids received without Tender fee and EMD/Bid Security will be treated as non-responsive bid & shall stand rejected.
10. Bids submitted should remain valid for 180 days from the date of opening for the purpose of acceptance and award of work. Validity beyond 180 days from the date of opening of bid shall be extended on mutual consent of both parties.
11. List of Documents to be scanned and uploaded with Technical Bid (Part-I) and the original copies of the same have to be submitted in sealed envelope (super scribe the envelope as "Supply, installation, testing and commissioning of 22 HP variable refrigerant system at Pediatrics Surgery Department, KGMU, Lucknow") to the Executive Engineer (E/M), Electrical Department, KGMU before prescribed date and time of the tender as mentioned in the tender form.:
 1. Tender fee(Non-refundable): In original
 2. EMD/Bid security (Refundable): In original
 3. Work Orders along with Work completion certificates issued by the competent authority of institution.
 4. A copy of Average Annual Turnover during the last three financial years (2023-24, 2022-23& 2021-22). A certificate of Chartered Accountants (CA) is required in the support of Turnover.
 5. GST registration
 6. PAN card
 7. Copy of income tax return or filing acknowledgement for a minimum of three preceding financial years & for every year claimed for experience (2022-23, 2021-22& 2020-21).





8. Document towards proof of office address.
9. Letter of Acceptance of Tender Terms & Conditions by Bidder
10. Bidder personal & banking details
11. A declaration regarding Blacklisting/Non-Blacklisting by any State Govt./Central Govt./ Organization/PSUs
12. The firm/company has not been convicted or punished by Hon'ble Court of Law
13. The details of manpower and tools and plants of the firm.
12. For any clarifications of about the work or visit of the site, the bidder may contact to the office of the Executive Engineer (Electrical/ Mechanical), KGMU, Lucknow
13. The successful bidder and their workforce shall not do anything which damage the property/ image of KGMU and shall not involve in any unethical/ illegal practice.
14. Successful bidder will be responsible for any damage caused to the property of KGMU Lucknow due to negligence of personnel deployed by him for the job. In such cases, he will be charged on account of expenditure arising for repair/replacement of the same.
15. The successful bidder shall be fully responsible, if their personnel involve in any theft/burglary or any other mischief.
16. In case any of the persons so deployed by the successful bidder not found up to the mark or does not perform his duties properly or commits misconduct or indulges in any unlawful activities, riots or disorderly conduct, the successful bidder shall immediately withdraw and take suitable action against such persons on his own or on the report of the Engineer or any other officers of KGMU.
17. The successful bidder shall comply with all applicable statutory provisions during the period of contract.
18. The successful bidder shall not house any of his workmen at or near the site in the KGMU campus. He shall not construct any structure even of a temporary nature for any other purpose on KGMU premises except with the written permission of competent authority.
19. **Termination of contract** - University reserves the right to terminate the contract or any part thereof and will be entitled to revise the contract full and/or partly by a written notice to the bidder/contractor, if:
 1. Breach of any or all terms and condition/Instruction/clauses of Agreement.
 2. Non- performance or unsatisfactory Performance of work.
 3. Documents or information furnished with tender is found forged or fabricated.
 4. The bidder fails to execute the contract as per specification
 5. The bidder becomes bankrupt or goes into liquidation
6. **Governing law: -**

The law of India shall apply to the Contract Agreement. The Court of Lucknow shall have exclusive Jurisdiction in all matters arising out of the contract.
7. **Resolution of Disputes:** The University and the Contractor shall make every effort to resolve issues amicably by direct informal negotiations, any disagreement, difference or dispute arising out of or in relation to or in connection with the contract between them. If within 20 days from the commencement of such informal negotiations, The University and the Contractor are unable to resolve, amicably the disagreement, difference or dispute either –

party may require that it may be referred for arbitration to be decided by the sole arbitrator. In all matters and any disagreement, difference or dispute arising out of or in relation to or in connection with the contract, the sole arbitrator shall be mutually agreed upon by the parties in writing, who shall adjudicate the same and its decision shall be final and binding on both the parties. The arbitration proceedings shall be governed by the provisions of the Arbitration and Conciliation Act, 1996. Upon every reference the cost of arbitration proceedings shall be upon the contractor. The University will not be liable or responsible for any such cost incurred in connection with the arbitration proceedings.

However, during the period of doubt, disagreement or dispute, both the contractor & University shall ensure progress of the works in a normal way. Such doubts, disputes and disagreement shall not give any reason or freedom to either the University or the Contractor to interfere in or prevent normal functioning of the jobs.

8. **Jurisdiction:** In case of any dispute, arising out of this tender shall be subject to the Jurisdiction of "The Courts in Lucknow" only.

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Technical Bid (Part-1)

Sl. No.	Particulars	Page No	Enclose / Yes/No
1.	Name & Address of the Bidder		
2.	Legal status of the Bidder: An individual/A proprietor firm / A firm in partnership/ A Limited Company or Corporation/ Society		
3.	Name of Proprietor		
4.	Registered office address of the Bidder		
5.	Office address at Lucknow (if any) of the Bidder		
6.	Contact numbers of the Bidder (Land line/Mobile no.)		
7.	E_ mail of the Bidder		
8.	Tender Cost (Non – Refundable)		
9.	EMD Bid Security (Refundable)		
10.	Permanent Account number (PAN)		
11.	G.S.T. Registration		
12.	Work orders along with completion certificates		
13.	I.T.R. for FY: 2022-23, 2021-22 & 2020-21		
14.	Average Annual Turn- over of last three Financial Years: 2022-23, 2021-22 & 2020-21		
15.	Bank solvency certificate		
16.	Acceptance of Tender Terms and Conditions covering letter		
17.	Mandate form for Personal and banking details		
18.	Declaration regarding blacklisting/Non- blacklisting by any State Govt./Central Govt./Organization/PSUs		
19.	Declaration regarding the Firm/Company has not been convicted or punished by Hon`ble Court of Law		
20.	Any other relevant information		

Date: _____
Place: Lucknow

Signature of the Tenderer with Co. seal

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Acceptance of Tender Terms & Conditions

(To be submitted on Rs. 100/- duly notarized non judicial Stamp paper)

To,

The Executive Engineer (E/M),
King George's Medical University UP
Chowk Lucknow -226003

Sub: Acceptance of Terms and Conditions of tender

Tender Reference No:.....

Sir,

1. I/we have downloaded the tender documents for the above-mentioned Tender/work from the website(s) as per your advertisement.
2. I/we hereby certify that I/we have read the entire terms and conditions of the tender documents including all documents like annexure(s), schedules(s) etc., which form part of the contract agreement and I/we shall abide hereby the terms/ conditions/clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/organization too have also been taken into consideration, while submitting this acceptance letter.
4. I/we hereby unconditionally accept the tender terms & conditions of above-mentioned tender document(s)/corrigendum(s) in totality/entirely.
5. I/we do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public Sector Undertaking.
6. I/we do hereby declare that our firm / partners / proprietor of the company has been convicted or punished by Hon'ble Court of Law. There is no criminal prosecution, in which a charge sheet has been issued, or any case is pending against any of us
7. I/we certify that all information furnished by our Firm is true and correct and in the event the information is found to be incorrect/untrue or found violated, then your department/organization shall without giving any notice or reason thereof or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours faithfully,

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Name & Signature of the Bidder

Mandatory Form for Personal and Banking Details

(To be submitted on letterhead of the Bidder)

1	Particulars of the Bidder:	
1.1	Name of the Bidder	
1.2	Legal status of the Bidder: An individual/A proprietor firm/A firm in partnership/A Limited Company or Corporation/Society	
1.3	Name of Proprietor of the Bidder	
1.4	Registered office address	
1.5	Office address at Lucknow (if any)	
1.6	Contact numbers of the Bidder (Landline & Mobile no.)	
1.7	E-mail of the Bidder	
2	Bank Details of Bidder:	
2.1	Bank Name	
2.2	Branch Address	
2.3	Account No.	
2.4	Type of Account (Current/Saving)	
2.5	IFSC code	

Signature

TM

Name & Signature of the Bidder

Declaration of Non-Blacklisting by any State Govt./Central Govt./

Organization/PSUs

(To be executed on Rs.10/- duly notarized Non-Judicial Stamp paper)

I/We Proprietor/Partner(s)/Director(s) of M/s..... hereby
Declare that the firm/company namely M/s..... has not been blacklisted
or debarred in the past by any State Government or Central Government
department/Organization/PSUs from taking part in Government tenders.

In case the above information found false I/We are fully aware that the tender/ contract will be
rejected/ cancelled by the KGMU, Lucknow and EMD/bid security, general security, performance guarantee
or any other deposit or anything due to the KGMU shall be forfeited. In addition to the above the KGMU,
Lucknow will not be responsible to pay the bills for any completed/partially completed work.

Signature

Name

Name& address of the firm

Handwritten mark

Handwritten mark

FORMAT OF NOTORIZED AFFIDAVIT, TO BE FURNISHED BY APPLICANT WITH REGARD TO
NON-CONVICTION BY COURT OF LAW

(On duly notarized Non-Judicial stamp paper of Rs. 10.00)

To,

The Executive Engineer(E/M),

KGMU, U.P.

Lucknow.

We hereby confirm and declare that neither we, M/s -----, nor the firm / partners / proprietor of the company has been convicted or punished by Hon'ble Court of Law. There is no criminal prosecution. in which a charge sheet has been issued. or any case is pending against any of us.

For -----

Authorized Signatory

Date:

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Details of the Staff.

S.N.	Position	Name	Qualification	Experience (years) in general
1				
2				
3				
4				
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KING GEORGE'S MEDICAL UNIVERSITY U.P LUCKNOW.
UTTER PRADESH

Executive Engineer(Electrical/Mechanical)
KGMU, LUCKNOW

SHAH MINA ROAD, LUCKNOW,
UTTER PRADESH- 226003

COVER- 2
FINANCIAL BID

FOR THE WORK: AS PER DESCRIPTION

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(Financial Bid)
K.G. Medical University U.P., Lucknow
BILL OF QUANTITY

Name of firm M/S Tender cost Recd. Vide: Receipt no..... Dated

Work Name:- Supply, installation, testing and commissioning of 22 HP variable refrigerant system at Pediatric Surgery Department, KGMU, Lucknow.

Sl. No.	Particulars of Work	Qty.	Rate in each	Amount in Rs.
1.	Supply, Installation, testing & Commissioning of Variable Refrigerant Flow Air-conditioning System of Modular type outdoor units equipped with highly efficient scroll inverter compressor(s), special heat exchanger, centrifugal fan for condenser, ODU having front suction & top discharge, Y-branch as required, outdoor unit support. Auto check function for connection error, auto address setting and capacity as mentioned below. VRF System shall be suitable for working on 50 °C ambient temperature. Refrigerant R 410A. Unit price shall be inclusive of full charge of Refrigerant Gas & Oil. Freight: The COP of ODU mentioned below shall be at 100% load, 35 °C ambient temperature & at 27 °C DB inside temperature. Outdoor Units 22 HP ODU.	01 Nos.	657753.00	657753.00
2.	Supply, Installation, testing & Commissioning of Indoor units with sensing panel equipped with pre-filter, fan section with low noise fan, multispeed motor, coil section with DX coil, outer cabinet, drain pan, insulation, pipe connections etc. Of various capacities. 4 way cassette unit, 2 TR with Remote.	06 Nos.	63950.00	383700.00
3.	Supply, Installation, testing & Commissioning of Indoor units with sensing panel equipped with pre-filter, fan section with low noise fan, multispeed motor, coil section with DX coil, outer cabinet, drain pan, insulation, pipe connections etc. Of various capacities. 4 way cassette unit, 1.6 TR with Remote.	01 No.	57464.00	57464.00
4.	Supply, Installation, testing & Commissioning of Indoor units with sensing panel equipped with pre-filter, fan section with low noise fan, multispeed motor, coil section with DX coil, outer cabinet, drain pan, insulation, pipe connections etc. Of various capacities. Wall mounted type, 2.0 TR with Remote.	01 No.	39978.00	39978.00
5.	Supply, Installation, testing & Commissioning of Indoor units with sensing panel equipped with pre-filter, fan section with low noise fan, multispeed motor, coil section with DX coil, outer cabinet, drain pan, insulation, pipe connections etc. Of various capacities. Wall mounted type, 1.6 TR with Remote.	01 No.	39035.00	39035.00
6.	Supply and fixing of Y-Joint/ Refined. Make- Voltas	09 Nos.	6235.00	56115.00
7.	Supply, Installation, testing and commissioning including vacuumization and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for 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 elastomeric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc. as required : 31.6 mm dia (OD) (Hard drawn) with 19 mm thick insulation Copper pipe Make : Maxflow/Mandev/Rajco, Insulation make :	30 Mtrs.	2313.00	69390.00
8.	Supply, Installation, testing and commissioning including vacuumization and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for 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 elastomeric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc. as required : 28.58 mm dia (OD) (Hard drawn) with 19 mm thick insulation Copper pipe.	80 Mtrs.	1993.00	159440.00

9	Supply, Installation, testing and commissioning including vacuumization and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for 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 elastomeric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc. as required : 22.2 mm dia (OD) (Hard drawn) with 19 mm thick insulation Copper pipe.	60 Mtrs.	1599.00	95940.00
10.	Supply, Installation, testing and commissioning including vacuumization and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for 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 elastomeric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc. as required : 19 mm dia (OD) (Hard drawn) with 13 mm thick insulation Copper pipe.	210 Mtrs.	1402.00	294420.00
11.	Supply, Installation, testing and commissioning including vacuumization and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for 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 elastomeric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc. as required : 9.5 mm dia (OD) (Hard drawn) with 13 mm thick insulation Copper pipe.	180 Mtrs.	707.00	127260.00
12.	Supply, installation, Testing of PVC Pipe complete with fittings, supports as per specifications and duly insulated with 6 mm thick pipe section of closed cell nitrile rubber, 40 mm dia PVC Pipe.	80 Mtrs.	541.00	43280.00
13.	Supply, installation, Testing of PVC Pipe complete with fittings, supports as per specifications and duly insulated with 6 mm thick pipe section of closed cell nitrile rubber, 32 mm dia PVC Pipe.	150 Mtrs.	401.00	60150.00
14.	Providing, fabricating and installation following size of perforated M.S. Painted cable trays including horizontal and vertical bends, reducers, tees, cross members and other accessories as required and duly suspended from the ceiling with M.S. suspenders including painting, etc., as required. 100mm x 50mm x 1.6mm thickness.	60 Mtrs.	1018.00	61080.00
15.	Supply and additional charging of Refrigerant R-410A for commissioning complete as required.	01 Lot.	31668.00	31668.00
16.	Supply and Fixing of following sizes of XLPE/ PVC insulated Copper/Aluminium cable, overall PVC sheathed 1.1 KV grade cables conforming to relevant IS code and technical specifications, 3.5C x 35sq.mm, CU.	95 Mtrs.	422.00	40090.00
17.	Supply and Fixing of following sizes of XLPE/ PVC insulated Copper/Aluminium cable, overall PVC sheathed 1.1 KV grade cables conforming to relevant IS code and technical specifications, 3C x 2.5 sq.mm, CU.	135 Mtrs.	455.00	61425.00
18.	Supply and fixing of 4 Pole 100 Amp MCCB SOR 2018 No.1021 (C)	02 Nos.	8140.00	16280.00
19.	Supply and fixing of 4 Pole 63 Amp ECCB/RCCB.	02 Nos.	9390.00	18780.00
20.	Supply, installation, testing and commissioning of control cum trans-mission wiring of copper between indoor and outdoor unit in PVC Conduit. (2 core x 1.5 Sq mm).	260 Mtrs.	298.00	77480.00
21.	S/F of PVC conduit pipe (medium class) of 25 mm for cables laying on surface all complete.	250 Mtrs.	154.00	38500.00
22.	Supply and erection of overhead line with G.I. wire no. 8 SWG on poles / service bracket including binding etc. complete in all respect.	280 Mtrs.	41.00	11480.00

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23.	Charges for Making opening in brick slabs/ Walls and repairing of the same for piping and cables etc.	02 Nos.	7575.00	15150.00
24.	Charges of RCC work for Foundation or MS Stand for Outdoor /Indoor units. All complete as per.	01 No.	9925.00	9925.00
25.	Supply and making of MS cage for VRF ODU machine.	01 No.	10325.00	10325.00
			Total	2476108.00
			GST @ 18% (+)	445699.44
				2921807.44
			R/O Grand Total	2921807.00

I/We hereby offer and agree to execute the above work on % (In words %) above / below of the estimated cost of Rs: 2921807/-

I/We hereby tender for the execution for the works specified in tender with in time specified in tender at the rates specified there in and in accordance with specifications, drawing and instructions given by officers' in charge of the work.

Signature of contractor
With name and address

General Conditions:-

1. Bids once submitted cannot be withdrawn.
2. GST: Included.
3. The quantities given in the Bill of Quantity are approximate and liable to variation for which no claim shall be considered, except a reasonable extension of time for increased quantity.
4. Conditional Tenders are liable to be rejected.
5. Rate of extra items will be as per approved rates of tender.

Signature of contractor
With name and address

Executive Engineer (Electrical)
KGMU UP, Lucknow.



