

SEALED TENDER NOTICE

Sealed tender is hereby invited as per the schedule annexed to this notice on behalf of the Director, Zoram Medical College from reputed and bonafide Manufacturers/Authorised Dealers for **Supply & Installation of Variable Refrigerant Flow Air Conditioning System at Lecture Hall-4** which will be received by the Director, Zoram Medical College & Hospital, Falkawn, Mizoram on or before **24th June 2025 till 12:00 Noon**. Tenders are to be opened by the Bid Evaluation Committee under the chairmanship of Director, Zoram Medical College & Hospital (ZMCH), Falkawn, or his authorized representatives at **1:00 PM** on the same day. The Tenderers or their representatives may also be present at the time of opening of the Quotations, if they so desire. Tender Documents can be obtained from the Office of the Director, ZMCH, Falkawn on all working days or downloaded from the department's website **zmc.edu.in**. Fee for tender documents is fixed at **Rs. 1500/-**.

Sd/-(H. LALENGMAWIA)
Commissioner & Secretary
& Chairman
Procurement Committee
& Director, ZMC&H

Memo No.D-12017/1/2020-ZMC/PRO

Dated Falkawn, the 28th May, 2025

Copy to:-

- 1) P.S. to the Commissioner & Secretary, H & FW, MINECO, Aizawl
- 2) The Principal Director, H & FW, MINECO, Aizawl.
- 3) P.A. to Director, ZMC&H, Falkawn.
- 4) Registrar, ZMC&H, Falkawn.
- 5) Deputy Director (F & A), ZMC&H, Falkawn.
- 6) Sub-Dean (P), ZMC&H, Falkawn.
- 7) Guard File.


(Dr. JOHN ZOHMINGTHANGA)
Member Secretary,
Procurement Committee
& Director, ZMC&H

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Supply & Installation of Variable Refrigerant Flow Air Conditioning System at Lecture Hall-4

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I. INSTRUCTION TO BIDDERS AND QUALIFICATION

1. Tenders shall be submitted in duplicate and accordingly marked “**Original**” and “**Duplicate**” as the case may be on the cover of the envelope. The outer cover of the tender shall be super scribed as “**Supply & Installation of Variable Refrigerant Flow Air Conditioning System at Lecture Hall-4**” addressed to the Director, Zoram Medical College & Hospital, Falkawn, clearly indicating full postal address with fax no. of the tender/sender.
2. Tenders should be submitted in the prescribed **FORM-III** (enclosed) only which can be obtained from the office of the Director, Zoram Medical College & Hospital, Falkawn, Mizoram on working days or the Department's website alongwith tender receipt.
3. Bidders/Manufacturers submitting their tenders directly shall attach photo copies of their Manufacturing Licence, CIN (Corporate Identity Number) and other relevant permissions/licences required for such manufacturing duly attested by a Gazetted Officer or Notary. Original Certificates shall be produced at the time of opening of the tenders/quotations, if demanded.
4. Tenders received from firms and individuals who are not authorized dealers but only authorized to quote on behalf of the manufacturer or dealer shall be accepted. Authorized dealers shall attach Authorization or Distributorship or Dealership, as the case may be from the concerned manufacturers. A Gazetted Officer or Notary, however, shall duly attest such photo copies. Original Certificate shall be produced at the time of opening of the tenders/quotations, if demanded.
5. Quoted rates in terms of Indian Rupees should be inclusive of Goods and Services Tax (GST). If there is more than one brand, the separate rates for such brands with specific details should be mentioned.
6. F.O.R. destination is Zoram Medical College & Hospital, Falkawn - 796005.
7. The department reserves the right to evaluate and award the scope of work/supply in whole or in part.
8. Tender must be accompanied by the following documents:-
 - a) *Photo copy of GST Registration Certificate duly attested by a Gazetted Officer. Original Certificates should be produced at the time of opening of the tenders/quotations, if demanded.*
 - b) *Photo copy of Scheduled Tribe Certificate duly attested by a Gazetted Officer or Notary (for Tribal tenderer). Original Certificates should be produced at the time of opening of the tenders/quotations, if demanded.*
 - c) *Non-Judicial Adhesive Stamp worth at least Rs. 7.50 should be affixed (for Non-Tribal tenderer).*

9. The tenderer should submit Attested or Notorized Photo copy of valid and upto date GMP Certificate/ISO.
10. Tenders must enclose detail specifications of the items. They must also enclose relevant documents including catalogue /literature of the quoted items.
11. Tenders submitted should be valid for a period of 90 days.
12. 100% payment of goods will be done after successful completion of supply and installation. No advance payment will be entertained by the department prior to 100% successful supply & installation.
13. the department reserves the right to reject any and all quotations if found to be exorbitantly high/low, based on the analysis of the local market rates.

II. SECURITY DEPOSIT / EARNEST MONEY DEPOSIT

1. Tenders shall be accompanied with the Earnest Money Deposit of 5% of quoted value in the form of **Demand Draft/Deposit at Call, etc.** in original having a minimum validity period of 3 (three) months from any Nationalized Bank of India or Postal Saving Certificate duly pledged in favor of Director Zoram, Medical College & Hospital, Falkawn which will be released after completion of supply/installation and in case of firms who are not awarded supply, the EMD will be released within 2 months or earlier.
2. 5% EMD of selected firms will be deposited as security deposit and will be released after successful completion of the work/supply allotted.
3. If the successful bidder fails to initiate the works within the specified terms or withdraws his bid within the validity period of the bid, the Earnest Money Deposit shall be forfeited. Earnest Money Deposit of successful bidder shall be returned on receipt of Performance Security and the Earnest Money Deposit shall not carry any interest.

III. WARRANTY & AFTER-SALE SERVICE

1. Warranty period should be a period of 1 (one) year.
2. Availability of after-sale service on the expiry of warranty along with provision of AMC/CMC should be filled in Form-II of this document.

IV. RESERVATION

1. The Department also reserves the right to commute the quantity or increase the quantity of goods regardless of the quantity indicated in the tender documents as per Rule 54(1)(2)(3) of the Mizoram Public Procurement Rules, 2020.
2. As prescribed under Rule 49(1)(a)(b)(c)(d) of the Mizoram Public Procurement Rules, 2020, the Department will have the right to reject any bids or to annul the bidding process and reject all bids.
3. All bidding process is subjected to Rule 15 of the Mizoram Public Procurement Rules, 2020.

V. SCOPE OF WORK/SUPPLY

Sl. No	PARTICULAR(S)	Qty.	Unit	Price
1	SUPPLY & INSTALLATION OF OUTDOOR UNITS, INDOOR UNITS, COPPER INSULATION, ETC.			
1	28HP VRF Outdoor Unit 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 inverted type Scroll Compressor(s), minimum 2 compressors for above 14 HP modules, microprocessor based controller, top discharge type condensing unit(s), with R410 A Refrigerant, variation 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 phases, 50Hz AC power supply. The unit shall be filled with first charge of the refrigerant and ready for use as required.	2	Nos	
2	INDOOR UNIT 4.0TR VRF CASSETTE TYPE Supply, installation, testing & 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 support, variation isolation, cordless remote control, etc. suitable for operation on single phase 230V ± 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 degrees C DB and 19 degrees C WB temperature.	11	Nos	
3	COPPER REFRIGERANT INSULATION PIPELINE & SIZES Supply, installation, testing & commissioning including vacuumization and nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping of VRV/VRF system, complete with fittings with suitable adjustable ring type hangers 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 section and liquid lines, all accessories as per specification, etc, as required.			
3.1	9.5 mm diameter (OD) (soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	86	Mtrs	
3.2	12.7 mm diameter (OD) (soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	30	Mtrs	
3.3	15.86 mm diameter (OD) (soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	77	Mtrs	
3.4	19 mm diameter (OD) (hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	40	Mtrs	
3.5	22.2 mm diameter (OD) (hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	30	Mtrs	
3.6	28.58 mm diameter (OD) (hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	40	Mtrs	
3.7	31.8 mm diameter (OD) (hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation	30	Mtrs	
3.8	38.1 mm diameter (OD) (hard drawn) with tube thickness 1.62 mm with 19 mm thick insulation	20	Mtrs	

4	COMMUNICATION CABLE 1.5 M SHIELDED WEAR	220	Mtrs	
5	INDOOR HANGING STEEL FABRICATION	11	Nos	
6	NITROGEN 7 CUM CYLINDER	18	Nos	
II ELECTRICAL LINES FOR AIRCONDITIONING SYSTEM				
7	<p>WIRING - MAIN TO SUB-MAIN WIRING GRADE III SURFACE (SINGLE PHASE TWO WIRE) Wiring in looping system with PVC wire sheathed standard copper conductor/wires as per IS:694(1990) and flame retardant (FR) 1100 voltage graded copper flexible wire stranded copper of different sizes as mentioned below running inside PVC Casing & capping (Grade-II) of all available sizes diameter fixed, surface on the wall/ceiling floor as per convenience including junction box having required numbers of ways from Main to sub-main/DB/Sub-Main/DB to SDB/Switch Boards/SDB to switch boards as required:- 2.4 sq.mm copper conductor + 1x4 sq.mm earth wire</p>	560	rm	
8	<p>MAIN TO SUB-MAIN WIRING GRADE III SURFACE (THREE PHASE FOUR WIRE) Wiring in looping system with PVC wire sheathed standard copper conductor/wires as per IS:694(1990) and flame retardant (FR) 1100 voltage graded copper flexible wire stranded copper of different sizes as mentioned below running inside PVC Casing & capping (Grade-II) of all available sizes diameter fixed, surface on the wall/ceiling floor as per convenience including junction box having required numbers of ways from Main to sub-main/DB/Sub-Main/DB to SDB/Switch Boards/SDB to switch boards as required:- a) 4x6 sq.mm (copper)+ 2x6 earth b) 4x50 sq.mm (copper)+2x50 earth</p>	95 20	Rm Rm	
9	<p>LAYING OF UG/XLPE CABLES Supplying, unrolling & laying of different sizes of underground Cable XPLE in the existing excavated Earth, masonry duct, RCC/Hume/metal pipe etc., including commission etc (07) XLPE/PVC Power Aluminium Cable 25 sqmm 3.5 core as per IS:1554 Part II</p>	200	Rm	
10	<p>CABLE LUGS (1973) Aluminium cable lugs for XPLE Cables 25 sq.mm (1975) Aluminium cable lugs for XPLE Cables 50 sq.mm</p>	30 10	Nos. Nos.	

III	MAIN DISTRIBUTOR, SWITCH BOARDS, ETC			
11	<p>MCB ENCLOSURES Supply, fitting & fixing of different poles plastic MCBs enclosures fitted with din rail for cut out etc. as required:- (04) Sheet steel powder paint MCB enclosures 4 poles</p>	2	Nos.	
12	<p>MCB DISTRIBUTION BOARD (DB) Supplying and fixing of different ways MCB Distribution board (DB) double door, SP&N, TP&N in sheet steel phosphatised powder painted MCB DB Bus Bar Neutral link, Earth Bar and Din rail conforms to IS:13032, IS:8623, BS:5486 240/415 volts 50Hz. AC supply on surface including interconnection, painting etc, in completed. (13) 4 ways (4+12) MCB DB TP&N SD</p>	1	No.	
13	<p>LOADLINE DISTRIBUTION BOARDS WITH MCCBs (Outgoing with MCBs) Supplying and fixing of 4 ways, Loadline MCB, DB, TP&N, vertical suitable for G-Frame MCCB(without MCCB) design for Multiphase outgoing, single door in sheet steel, phosphatised powder painted MCB DBs with Bus Bar, Neutral Ling, earth bar and din rail conforms to IS:13032, IS:8623,BS:5486,240 Volts 50Hz, on surface/recess including inter connection, painting etc, as required. (14) 8-ways MCB DB TP&N Loadline Vertical Suitable for G-Frame MCCB (with 200A 16KA MCCB & 63A TP MCB)</p>	1	No.	
14	<p>LOADLINE DISTRIBUTION BOARDS WITH MCCBs (Outgoing with MCBs) Supplying fixing of different Rating 415V, MCCB G-Frame IP-1 conforms to IEC:947/IS:13947-ii of Different Breaking Capacity, Icu 415V different poles including testing & Commissioning etc. As required. (03) 25-100A FP, 16KA MCCB</p>	2	Nos.	
15	<p>MANIATURE CIRCUIT BREAKER Supplying and fixing of all types and rating MCBs, RCCBs, ELCBs etc, 240/415 Volts 50 Hz AC supply in the existing MCB DB complete with connections, testing & commissioning etc in completed:- (01) 6-32 Amps' SP MCB B-series (24) 63 Amps' FP, MCB C-series</p>	12 1	Nos. Nos.	
16	<p>SUPPLYING AND FIXING OF SWITCH BOARDS (MODULAR TYPE) GRADE III Supplying and fixing of Modular switch board of the following sizes/modules on surface/recess including PVC/Steel boxes, modular plate and necessary switches, plug/socket and fan regulators etc. with painting if necessary C. THREE MODULE (38) 1S+1Soc 16A</p>	11	Nos.	

VI. FORMAT FOR FINANCIAL BID

FORM-1

Sl. No	Category	Total in INR (figures)	In words
1	2	3	4
1	SUPPLY & INSTALLATION OF OUTDOOR UNITS, INDOOR UNITS, COPPER INSULATION, ETC.		
2	ELECTRICAL LINES FOR AIRCONDITIONING SYSTEM, ETC.		
3	MAIN DISTRIBUTOR, SWITCH BOARDS, ETC.		
<i>(Price quoted should be inclusive of all taxes)</i>			
	GRAND TOTAL		

VII. FORMAT FOR ANNUAL MAINTENANCE

FORM-II

Sl.No	Category	1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year
1	2	3	4	5	6	7
1	Annual Maintenance Contract					
<i>(Price quoted should be inclusive of all taxes)</i>						
		AMC cost for 5 consecutive years to be filled up in figures				

Note: Inclusion of AMC rates in valuation of bids will be at the discretion of the Chairman.

Signature of Bidder (with seal)

**Supply & Installation of Variable Refrigerant Flow (VRF)
Air Conditioning System at Lecture Hall-4**

FIRM/AGENCY PROFILE

1. Name of Firm/Agency: _____

2. Name of Proprietor : _____

3. Address of Firm : _____

4. Pin Code : _____

5. Contact No. : _____

6. Email : _____

7. Bank Account Details:

Name of A/c Holder : _____

Name of Bank : _____

Name of Branch : _____

Account Number : _____

IFSC CODE : _____

MICR CODE : _____

8. Name(s) of products/company in which dealership or authorization is obtained.

Note: We have no reservations to the Terms & Conditions of the Bidding Documents

Date:

Signature:

Place:

Company seal: