

HIMACHAL PRADESH  
GENERAL INDUSTRIES CORPORATION LIMITED  
(A Govt. of HP Undertaking)  
Himrus Bldg., Cart Road, SHIMLA-171 001  
(Phone No.0177-2624438, 2624824 Fax-0177-2624925)

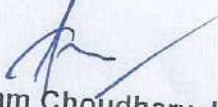
No. HPGIC/AC Tenders /2024-4616

Dated : 29-11-2024

**TENDER NOTICE FOR PURCHASE/SUPPLY, INSTALLATION  
AND COMMISSIONING ON F.O.R. DESTINATION BASIS OF  
DAIKINVRV AIR CONDITIONING SYSTEMS**

Sealed tenders are invited from Original Equipment Manufacturer/Original Equipment Supplier/ Authorised Dealer of Daikin Co. having average annual turnover of **Rs. 50.00 Lacs for last three financial years** for purchase of **DAIKIN VRV AIR CONDITIONING SYSTEMS** which are to be supplied, installed and commissioned on F.O.R. destination basis in the office of Director of Energy, New MC Parking, Near MLA Crossing, Shimla, Himachal Pradesh exclusive of all taxes (as applicable) so as to reach this office complete in all respects on or before **27-12-2024** upto **2.30 PM** along with earnest money in the shape of demand draft/RTGS/NEFT payable in SBI A/c No. 55012850082 IFSC SBIN0050118 in favour of MD, HPGIC, Shimla. The detailed terms & conditions can be collected from this office on any working day or can be downloaded from our official website: [www.hpgic.co.in](http://www.hpgic.co.in). The tender will be opened on the same day at **3.00 PM** in the presence of the tenderers or their authorised representatives. If required, the negotiations will be held with L-1 party.

Further, a pre bid meeting will be held on **06-12-2024 at 11:00 AM** in the office chamber of the Managing Director, HPGIC. Further any addendum/corrigendum in this regard shall be displayed on official website of the Corporation i.e. [www.hpgic.co.in](http://www.hpgic.co.in). The undersigned reserves the right to accept/reject any/all tenders without assigning any reason.

  
Arindam Choudhary, IAS  
Managing Director

**HIMACHAL PRADESH  
GENERAL INDUSTRIES CORPORATION LIMITED  
(A Govt. of HP Undertaking)  
Himrus Bldg., Cart Road, SHIMLA-171 001  
(Phone No.0177-2624438, 2624824 Fax-0177-2624925)**

No.

Dated :

**TENDER NOTICE FOR PURCHASE/SUPPLY, INSTALLATION AND  
COMMISSIONING ON F.O.R. DESTINATION BASIS OF DAIKIN VRV AIR  
CONDITIONING SYSTEMS**

Sealed tenders are invited from Original Equipment Manufacturer/Original Equipment Supplier/ Authorised Dealer of Daikin Co. having average annual turnover of Rs. 50.00 Lacs for last three financial years for purchase of **DAIKIN VRV AIR CONDITIONING SYSTEMS (Hot & Cold)** as per following specifications which are to be supplied, installed and commissioned on F.O.R. destination basis in the office of Director of Energy, New MC Parking, Near MLA Crossing, Shimla, Himachal Pradesh exclusive of all taxes (as applicable) so as to reach this office complete in all respects on or before **27-12-2024** upto **2.30 PM** along with earnest money in the shape of demand draft/RTGS/NEFT payable in SBI A/c No. 55012850082 IFSC SBIN0050118 in favour of MD, HPGIC, Shimla. The detailed terms & conditions can be collected from this office on any working day or can be downloaded from our official website: [www.hpgic.co.in](http://www.hpgic.co.in). The tender will be opened on the same day at **3.00 PM** in the presence of the tenderers or their authorized representatives. If required, the negotiations will be held with L-1 party.

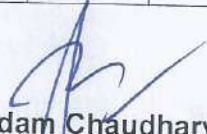
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**DAIKIN VRV AIR CONDITIONING SYSTEM:-**

Sr No	Specifications	Qty. for Tender	Estimated cost of complete work order (in Crore)	EMD (Rs. in Lac)
1	<p><b>Outdoor Unit -20 HP</b></p> <p>Supply, Installation, Testing &amp; Commissioning of factory fitted microprocessor based self diagnostic auto check VRV/VRF system outdoor unit equipped with PCBs, accumulator, oil separator, brushless DC inverter fan motor, OEM self manufactured hermetic sealed multi valve scroll type compressors. Compressor should be based on low pressure shell technology for longer life with integrated IPM &amp; PWM to ensure effective operation even at low/partial load conditions for better efficiencies. Compressor shall be fixed in metallic chamber for lower noise with enhanced fire safety protection. Outdoor unit shall be equipped with highly efficient induction type heater using eliminated wasted heat. VRT/VET system shall be based on advanced &amp; automatically modulation evaporating refrigerant temperature between 0°C to 11°C for instant cooling and better energy efficiency as per user's demand. Outdoor units shall be essentially equipped with safety devices like fuse, noise filter PCB, low pressure switch, high pressure switch, pulse based LEV for optimized refrigerant flow control, isolating valve, protective corrosion resistant polyester coating on panels, hydrophilic coating on Aluminum fins, protective polyurethane coating on PCB, OEM provided Inbuilt automatic reverse phase detector &amp; sequencer/corrector to avoid any kind of failure due to phase sequence reversal which makes system reliable and redundant. Heat exchanger must be essentially equipped with internally grooved copper</p>	5 units	Rs1.00	Rs. 2.00 to be deposited Demand Draft/ RTGS/ NEFT

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	<p>tubes for better heat exchange performance and operate in extreme conditions i.e. even at ambient temperature of 52°C or more. Outdoor units shall be pre-charged with R401A gas, pump down function and shall also be equipped with charging valve/ports for additional charge of refrigerant as per site requirement. All outdoor units shall be able to perform in duty cycle mode to optimize wear and tear of system when more than one outdoor unit is connected to a circuit. Outdoor units must also be equipped with four way valve for necessary provision of heating during winters. All outdoor shall have approximately following as per OEM standards rated capacities at ARI conditions and, with the criteria of delivering 95% capacity at 43 °C being most likely temperature to occur during summers. (All Unit shall confirm the detailed specification of tender document and providing power/ control cabling/earthing of indoor unit complete with supplying of all material in all respect as per specifications and any other items required to make the system complete as required) The manufacturer of ODU and compressor shall be same. i.e. the maker of compressor shall be identical of the ODU. (Make : Daikin)</p>			
2	<p><b>Indoor Units:Round Flow Cassette Type</b>  Supply, Installation, Testing and Commissioning of VRV/VRF indoor units with factory fitted electronic expansion valve, multi speed fan motors, dynamically balanced blowers, synthetic washable plasma media filter with hydrophobic coating on cooling coil. Electronic components like PCBs must be essentially enclosed in a metal box compartment being integrated part of indoor unit to ensure enhanced fire protection with auto by pass technology allowing uninterrupted operation of indoor units connected to a circuit in event of break down in any indoor connected to same circuit. All indoor units shall have individual fan speed and temperature control mechanism to be operated from corded/cordless remote. In addition to all indoor units can also be operated from central remote control. (All Unit shall confirm the detailed specification of tender document and providing power/ control cabling/earthing of indoor unit complete with supplying of all material in all respect as per specifications and any other items required to make the system complete as required) (Make :Daikin)</p> <p>a. Cassette Type Indoor Unit - 1.6 TR  b. Cassette Type Indoor Unit - 2.08 TR  c. Cassette Type Indoor Unit - 2.65 TR  d. Cassette Type Indoor Unit - 3.2 TR  e. Cassette Type Indoor Unit - 4.1 TR  f. Cassette Type Indoor Unit - 4.6 TR</p>	<p>2 units  4 units  3 units  2 units  12 units  1 units</p>		

  
**Arindam Chaudhary, IAS**  
**Managing Director**

**HIMACHAL PRADESH**  
**GENERAL INDUSTRIES CORPORATION LIMITED**  
(H.P. Government Undertaking)  
(Registered Office: New Himrus Building, Circular Road)  
**SHIMLA-171 001**  
(Phone No: 0177-262 4438, 262 4824 Fax: 0177-262 4925)

No.

Dated :

**TERMS & CONDITIONS FOR PURCHASE/SUPPLY, INSTALLATION**  
**AND COMMISSIONING ON F.O.R. DESTINATION BASIS OF DAIKIN VRV**  
**AIR CONDITIONING SYSTEMS**

- (1) Tender should be sent in two sealed envelopes referring Technical Bid and Financial Bid and date of opening on the envelope along with sign and stamp on each page of terms and conditions as acceptance of the terms and conditions of the tender document. The tender will be opened on **27-12-2024** at **3:00 PM** in the presence of tenderers or their authorized representative, if any, in the office of the Managing Director, H.P. General Industries Corporation Ltd, Himrus Building, Cart Road, Shimla-171 001. Further, a pre bid meeting will be held on 06-12-2024 at 11:00 AM in the office chamber of the Managing Director HPGIC
- (2) **Requirement of Technical Bid-**
  - i) Earnest Money (ii) Balance-sheet and statement of manufacturing Accounts/Profit & Loss Accounts indicating average annual turnover of Rs. 50 Lacs. or above for last three financial years i.e. 2021-22, 2022-23 & 2023-24 duly certified by the Chartered Accountant of the Company/Firm. (iii) Affidavit of non blacklisting by any Govt. Deptt., Board, PSUs (Central or State) all over India (iv) Acceptance of Terms & Conditions (v) Copy of GST Registration (vi) Memorandum of Association & Article of Association in case of company and partnership deed in case of partnership firm if applicable (vii) Dealership registration Certificate from Daikin co. in case of OES/ Authorised Dealer of Daikin co.

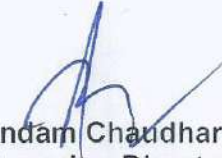
The Financial Bid will be opened of those tenderers who qualified the mandatory requirement of technical bid.
- (3) The tender must be accompanied with earnest money of Rs. 2.00 Lakh in the form of demand draft/RTGS/NEFT in SBI A/c No.55012850082 IFSCBIN0050118 in favour of MD, HP General Industries Corporation Ltd payable at Shimla. However, the Corporation will not be liable to pay any interest thereon. No tender shall be accepted without the earnest money.
- (4) There should be no over writing in the technical and financial bid documents.
- (5) The quoted rates/price must be exclusive of GST/taxes as applicable. The financial bid must be filled in abstracts of cost form as per **Annexure-"A"**.
- (6) The Complete Abstracts of cost /specifications of the **VRV AIR CONDITIONING SYSTEMS** are enclosed as **Annexure "A"** to the tender Document.
- (7) For the procurement of **VRV AIR CONDITIONING SYSTEMS** L-1 will be decided on accumulative lowest quoted rates of the complete work order for supply, installation, testing and commissioning of **VRV AIR CONDITIONING SYSTEMS** including cost of equipment, accessories, parts & components etc and not on item based cost system.
- (8) The tenderer should specifically declare as to whether his company/firm is registered under MSME, Act 2006 or not. If so, the tenderer is required to submit the Registration Certificate to this effect with the tender document.

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- (9) The Managing Director of this Corporation reserves all the right to accept/reject any/all tenders without assigning any reason.
- (10) Conditional, unsigned, late and delayed tenders will not be considered/ entertained. In case, the date of opening happened to be holiday, the tender will be opened on the next working day.
- (11) The tenderer should supply the equipments, parts & other accessories strictly as per specifications of tender document/supply order. If the material is found of inferior quality and not as per given specification and satisfaction of the indenting Department, the supplier has to replace the substandard material at his own cost.
- (12) Loading/unloading and stacking of all the equipments, components parts of VRV AIR CONDITIONING SYSTEMS at proper locations will be in the scope of the selected party and no claim will be considered on this account.
- (13) The Managing Director reserves the right to hold negotiations, if required, with L-1 party.
- (14) No hike/ increase in the rates/price will be allowed during the currency of contract.
- (15) The successful tenderers will have to execute an agreement with the Manager, SDA Complex, Kasumpti Shimla on judicial stamp paper of Rs. 100/- duly signed by himself or through his authorized representatives. The successful tenderer(s) will have to deposit security amount equal to 5% of the total value of the order for faithful execution of the contract which will be released only after successful completion of the contract/supply order. However, no interest shall be paid on this security amount for the period it remains with the Corporation.
- (16) The L1 party shall have to provide comprehensive after sale service & technical support to the indenting department for a period of 1 year without any additional cost.
- (17) In case, there is failure to supply, installation, testing and commissioning of VRV AIR CONDITIONING SYSTEMS as per supply order and violation of any terms & conditions of the contract/supply order, the undersigned reserves the right to withhold the payment, cancel the supply order and forfeit the security amount. If any purchases are made from alternate sources necessitated due to failure of the supplier to supply equipments, accessories, components/parts & installation, testing & commissioning of the VRV AIR CONDITIONING SYSTEMS as per supply order, the amount of difference of rates of such risk purchases shall be recoverable from the supplier.
- (18) The Managing Director reserve the right to increase/decrease the quantity of VRV AIR CONDITIONING SYSTEMS as mentioned in tender notice as per the requirement of the indenting Department i.e. Director , Energy Department (H.P).
- (19) The quoted prices should be on F.O.R. destinations, exclusive of all taxes etc.. in State of HP.
- (20) Only Original Equipment Manufacturer/original Equipment Supplier/ Authorised dealer of Daikin co. having all the mandatory documents as per mandatory requirement of the tender document can send their tenders.
- (21) Original Equipment Manufacturer/Original Equipment Supplier/ Authorised Dealer of Daikin co. having average annual turnover of Rs. 50.00 lacs or more for last three financial years are eligible and will have to submit certified copy of Balance Sheets duly certified by the Chartered Accountant.
- (22) 50% of the Payment against the invoices of equipments will be released after delivery of AC equipments & production of delivery acknowledgement from the indenting department and balance will be released after Supply, Installation, Testing and Commissioning of VRV AIR CONDITIONING SYSTEMS at the designated destination/place and receipt of satisfactory work completion report from the concerned Department.

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- (23) The successful tenderers will have to provide complete bank address, Bank Account number and IFSC code to enable the Corporation to make the payments through NEFT/RTGS etc. and the charges, if any, on this account will be debited to the tenderer /Supplier.
- (24) Any addendum/corrigendum in this regard shall be displayed on the official website i.e. [www.hpgic.co.in](http://www.hpgic.co.in) of the Corporation. No separate notice will be published in any newspaper in this regard.
- (25) Neither party will be liable for failure or delay in performing obligations so set-forth in this agreement and neither shall be deemed in breach of its obligations, if such failure or delay is caused due to natural disasters or any causes beyond the control of either party e.g. fire, strike/lock out, floods, earthquake, riots, curfew etc. in HP and in the premises of Furniture Factories of the first party i.e. Furniture Factory Bilaspur, Furniture Factory Chambaghat and Furniture Division SDA, Sale Complex-Kasumpti (Shimla) or at the office/ site premises of the Industry Department i.e. Directorate Energy in Shimla.
- (26) The tenderer/party should not have been blacklisted by any Govt. Department, Board, PSU's (Central or State) all over India. Hence, the tenderer shall have to submit an affidavit regarding non-blacklisting/Debarment on Non-Judicial stamp paper of Rs.50/-.
- (27) If any difference of opinion arises between the first party and second party in relation to interpretation, operation or affect of any clause of this agreement, the Managing Director of the Corporation reserves the right to decide the same and the decision of the Managing Director of the Corporation shall be final. In case, the second party is not satisfied with the decision of the Managing Director of the Corporation, then the matter can be referred in writing by the second party to the sole arbitrator i.e. Administrative Secretary (Industries), Govt. of HP, as per the provision under Arbitration & Reconciliation Act 1996 and as amended from time to time. The decision of such an Arbitrator shall be binding on both the parties.
- (28) All legal proceedings, arising out of this contract shall be subject to the jurisdiction of the courts situated at Shimla HP only. Therefore, all disputes shall be settled within the jurisdiction of courts at Shimla only.

  
Arindam Chaudhary, IAS  
Managing Director

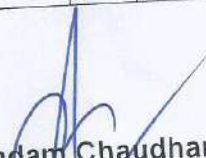
## Abstract of Cost

Name of Work:- Name of Work:- (SH:- Providing Daikin make VRV/VRF Airconditioning (HVAC) Directorate of energy at MC Parking, Shimla

		Unit	Qty	Rates	GST	Amount
<b>SUB HEAD VRV/VRF</b>						
A						
1.00	Supply, Installation, Testing & Commissioning of factory fitted microprocessor based self diagnostic auto check VRV/VRF system outdoor unit equipped with PCBs, accumulator, oil separator, brushless DC inverter fan motor, OEM self manufactured hermetic sealed multi valve scroll type compressors. Compressor should be based on low pressure scroll technology for longer life with integrated IPM & PWM to ensure effective operation even at low/partial load conditions for better efficiencies. Compressor shall be fixed in metallic chamber for lower noise with enhanced fire safety protection. Outdoor unit shall be equipped with highly efficient induction type heater using eliminated wasted heat. VRT/VET system shall be based on advanced & automatically modulation evaporating refrigerant temperature between 0°C to 11°C for instant cooling and better energy efficiency as per user's demand. Outdoor units shall be essentially equipped with safety devices like fuse, noise filter PCB, low pressure switch, high pressure switch, pulse based LEV for optimized refrigerant flow control, isolating valve, protective corrosion resistant polyester coating on panels, hydrophilic coating on Aluminium fins, protective polyurethane coating on PCB, OEM provided Inbuilt automatic reverse phase detector & sequencer/corrector to avoid any kind of failure due to phase sequence reversal which makes system reliable and redundant. Heat exchanger must be essentially equipped with internally grooved copper tubes for better heat exchange performance and operate in extreme conditions i.e. even at ambient temperature of 52°C or more. Outdoor units shall be pre-charged with R401A gas, pump down function and shall also be equipped with charging valve/ports for additional charge of refrigerant as per site requirement. All outdoor unit shall be able to perform in duty cycle mode to optimize wear and tear of system when more than one outdoor unit is connected to a circuit. Outdoor units must also be equipped with four way valve for necessary provision of heating during winters. All outdoor shall have approximately following as per OEM standards rated capacities at ARI conditions and, with the criteria of delivering 95% capacity at 43 °C being most likely temperature to occur during summers. (All Unit shall confirm the detailed specification of tender document and providing power/ control cabling/earthing of indoor unit complete with supplying of all material in all respect as per specifications and any other items required to make the system complete as required) The manufacturer of ODU and compressor shall be same. i.e. the make of compressor shall be identical of the ODU. (Make : Daikin)					
1.01.00	Outdoor Unit -20 HP	Nos	5			0
2.00	<b>Indoor Units:Round Flow Cassette Type :-</b> Supply, Installation, Testing and Commissioning of VRV/VRF indoor units with factory fitted electronic expansion valve, multi speed fan motors, dynamically balanced blowers, synthetic washable plasma media filter with hydrophobic coating on cooling coil. Electronic components like PCBs must be essentially enclosed in a metal box compartment being integrated part of indoor unit to ensure enhanced fire protection with auto by pass technology allowing uninterrupted operation of indoor units connected to a circuit in event of break down in any indoor connected to same circuit. All indoor units shall have individual fan speed and temperature control mechanism to be operated from corded/cordless remote. In addition to all indoor units can also be operated from central remote control. (All Unit shall confirm the detailed specification of tender document and providing power/ control cabling/earthing of indoor unit complete with supplying of all material in all respect as per specifications and any other items required to make the system complete as required) (Make :Daikin)					
2.01	Cassette Type Indoor Unit - 1.6 TR	Nos	2			0

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2.02	Cassette Type Indoor Unit - 2.08 TR	Nos.	4			0
2.03	Cassette Type Indoor Unit - 2.65 TR	Nos.	3			0
		Nos.	2			0
2.04	Cassette Type Indoor Unit - 3.2 TR	Nos.	12			0
2.05	Cassette Type Indoor Unit - 4.1 TR	Nos.	1			0
2.05	Cassette Type Indoor Unit - 4.6TR					
3.00	Supply and installation of Refrigerant Piping Y/T-Joints or Headers as required to connect the above outdoor units and indoor units. ( liquid and gas line as one set)	Nos.	23			0
4.00	Supply installation testing and commissioning of Wire Remote the Tempreture can be steps of 1 °C to 1 °F Increment. The Button Panel can be access and Air flow Direction and error icon's display on the screen.	Nos.	24			0
5.00	Supply installation testing and commissioning of Twinning Kit for Connecting of ODU Unit	Nos.	3			0
6.00	Refrigerant Charges For the complete system-R410A. Its a member of hydrofluorocarbon (HFC) Class of Refrigerants and is Composed of equal parts R-32 and R-125.	Kg	120			0
7.00	SITC of PVC (Minimum 15 Kg/Sqcm pressure rated) Drain Water Piping complete with fittings niterl insulation (elbows, tees, reducers, sockets etc.), supports, jointing and any other item required to make the system complete. Nominal Diameters of Pipes in mm as indicated below:					
7.01	25 mm ( with 6 mm Class- O XLPE)	Rmt	5 00			0
8.00	SITC of Copper Refrigerant piping for VRV / VRF System complete with fittings, supports, jointing, insulation with class O -XLPE , gas charging & commissioning as per specifications, all accessories as per specifications and any other item required to make the system complete. Nominal Dia in mm OD as indicated below : <b>Make : Rajco/Maxflow/Mandev/Jobu/MTL</b>					
8.01	28.5 ( with 19 mm insulation )	Rmt	1 20			0
8.02	15.9 (with 13 mm insulation)	Rmt	2 40			0
8.03	12.7 ( with 13 mm insulation )	Rmt	1 50			0
8.04	9.5 ( with 13 mm insulation )	Rmt	3 60			0
8.05	6.3 (with 13 mm insulation)	Rmt	1 50			0
9.00	Providing & fixing control cum transmission wiring of 2 core x 1.5 sqmm copper shiled cable in suitable conduits between indoor units and outdoor units and indoor units and remote controllers.	Rmt.	5 00			0
10.00	Providing & fixing of 25 MM Dia of medium class PVC Conduit Along with the accessories in Surface/ recess including cutting the wall and making goods the same in case of recessed conduit.	RMT.	4 00			0
11.00	Provding & Fixing of Cable Tray for carrying of copper pipes, & Cables Size : 100 X 50 MM	RMT	1 50			0
	Total					

  
**Arindam Chaudhary, IAS**  
**Managing Director**