

**Consolidated Prebid query response, Tender no 1000000431 for PAC**

Sr. No.	Detailed Reference to TPCODL Tender document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TPCODL RESPONSE
1	ANNEXURE 1, Technical Particulars	SITC of PAC Units, Capacity ~30 TR, Bottom Discharge In-floor Fan Units with inbuilt Heater & Humidifier	It is an OEM specific design, Unit shall have EC Fans inside the cabinet. Please ammend the clause and request to accept.	Tender Clause May be read as "SITC of PAC Units, Capacity ~30 TR, Bottom Discharge Fan Units with inbuilt Heater & Humidifier."
2	ANNEXURE 1, Technical Particulars	The fan speed must be controlled based on the room return air Temperatures and also must have automatic speed control without manual intervention	Since there is no frequent load variation in DC so hence EC fan speed shall be variable but that can be set as per Heat Load. Please ammend the clause and request to accept.	Tender Clause Stands
3			<ul style="list-style-type: none"> <li>•The system must save the energy by learning the effect of each Cooling unit in the group on each rack inlet temp &amp; predict the result of its cooling control decisions ( Fan speed , ON / OFF etc ) automatically without human intervention.</li> <li>•The system must maintain temperature compliance during cooling equipment downtime (due to failure or maintenance) by automatically engaging available cooling unit.</li> <li>•The system must be capable of creating an empirical computer model of the thermal influence of each cooling unit on every rack sensor in the facility, and using that model to guide its control actions.</li> <li>•The system must provide the user with information about available cooling capacity to guide allocation of additional IT load.</li> <li>•The system should generate report for cooling Compliance , Energy Saving &amp; Cooling unit performance</li> </ul>	Tender Clause Stands
4	ANNEXURE 1, Technical Particulars	At least one compressor must be Inverter to achieve highest efficiency.	As per tender, Hermetic/Digital Scroll / Inverter compressors are called for so please allow to accept Hermetic scroll compressors instead of atleast cone compressor must be Inverter type. Please confirm	Tender Clause Stands
5	1.7 Qualification Criteria Page No: 7	a) Bidder must be an OEM of Precision Air Conditioner system of same or Higher Ratings with manufacturing facility / assembly in India or authorized channel partner of OEM. TPCODL reserves the right to inspect the said manufacturing facility as a proof of compliance to this parameter. The bidder has to furnish the Self-undertaking in this regard.	<p><b>Please rephrase this as below:</b></p> <p>a) Bidder must be an Authorised Partner / OEM of Precision Air Conditioner system of same or Higher Ratings with manufacturing facility / assembly in India or authorized channel partner of OEM. TPCODL reserves the right to inspect the said manufacturing facility as a proof of compliance to this parameter. The bidder has to furnish the Self-undertaking in this regard.</p>	Corrigendum already issued in this regard. Plase check TPCODL website, tender section.
6	1.7 Qualification Criteria Page No: 7	c) The OEM should have an average annual turnover of Rs.50 crores in last three financial years. Copy of audited Balance Sheet and P&L Account to be submitted in this regard.	<p><b>Please rephrase this as below:</b></p> <p>c) The OEM should have an average annual turnover of Rs.20 crores in last three financial years. Copy of audited Balance Sheet and P&amp;L Account to be submitted in this regard.</p>	Tender clause stands
7	1.7 Qualification Criteria Page No: 7	e) Bidder/ OEM must have service center in State Capital Region of Odisha.	<p><b>Please rephrase this as below:</b></p> <p>e) Bidder/ OEM must have service center in State Capital Region of Odisha / Nearby State.</p>	Tender Clause Stands
8	1.7 Qualification Criteria Page No: 8	i) The bidder must have resources as per details below with minimum 3 years of experience in handling the offered components for the modern Data Centre. These resources should possess minimum qualification – ‘Diploma in Electrical / Electronics Engineering’ or specialized certification from OEMs for offered products. Bidder must submit resource resume and valid certificate along with the bid document. Bidder should also provide resume with appropriate Electrical Supervisor license from EIC (Electrical), Odisha.	<p><b>Please rephrase this as below:</b></p> <p>i) The bidder / OEM must have resources as per details below with minimum 3 years of experience in handling the offered components for the modern Data Centre. These resources should possess minimum qualification – ‘Diploma in Electrical / Electronics Engineering’ or specialized certification from OEMs for offered products. Bidder must submit resource resume and valid certificate along with the bid document. Bidder should also provide resume with appropriate Electrical Supervisor license from EIC (Electrical), Odisha.</p>	Tender Clause Stands , However selected bidder must submit the appropriate Electrical Supervisor license from EIC (Electrical), Odisha. Prior to execution of work
9	1.7 Qualification Criteria Page No: 8	j) The bidder should have implemented minimum three such sized or higher sized Projects in Data Centre environment in last 5 years. Such work completion certificates should be furnished and TPCODL may verify such certificates independently or may opt to visit such locations to ascertain the quality of work.	<p><b>Please rephrase this as below:</b></p> <p>j) The bidder / OEM should have implemented minimum three such sized or higher sized Projects in Data Centre environment in last 5 years. Such work completion certificates should be furnished and TPCODL may verify such certificates independently or may opt to visit such locations to ascertain the quality of work.</p>	Corrigendum already issued in this regard. Plase check TPCODL website, tender section.
10	ANNEXURE-I Page No: 33	SITC of PAC Units, Capacity ~30 TR, Bottom Discharge In-floor Fan Units with inbuilt Heater & Humidifier	Pls clarify the Return Air Temp, Ambient and CFM of The units.	This is to clarify that Bid will be evaluated as per tender specifications.

11	ANNEXURE-I Page No: 33	The Unit construction shall be enabled to access all the main components of the machine from the front for installation purposes and routine servicing. With this feature, the machines can be installed side by side, or in between cabinets for other technical applications. Indoor frame and panels shall be constructed of heavy gauge anti corrosive material and have modular construction and hinged doors. Insulation in the side panels should be built with Noise resistance acoustic material. Outside panels shall be coated with anticorrosive paint for outdoor use exposed to sunlight, rain and different weather condition. Such coating should guarantee the long-term durability viz. 10-12 years of their original features. The Panels should be double skinned lined on the inside with heat and sound proofing PU installation of adequate thickness with soft rubber lining for industrial usage which will have 10-12 years life.	<b>Please Rephrase this as below:</b> The Unit construction shall be enabled to access all the main components of the machine from the front for installation purposes and routine servicing. With this feature, the machines can be installed side by side, or in between cabinets for other technical applications. Indoor frame and panels shall be constructed of heavy gauge anti corrosive material / Doubleleaded skinned with Power coated GI and have modular construction and hinged doors. Insulation in the side panels should be built with Noise resistance acoustic material. Outside panels shall be coated with anticorrosive paint / Doubleleaded skinned with Power coated Gifor outdoor use exposed to sunlight, rain and different weather condition. Such coating should guarantee the long-term durability viz. 10-12 years of their original features. The Panels should be double skinned lined on the inside with heat and sound proofing PU installation of adequate thickness with soft rubber lining for industrial usage which will have 10-12 years life.	Tender Clause Stands
12	ANNEXURE-I Page No: 34	Industrial grade maintenance free humidifier for modulating sterile steam production should be provided.	<b>Please Rephrase this as below:</b> Industrial grade maintenance free humidifier /energy efficient steam electrode humidifier for modulating sterile steam production should be provided.	Tender Clause Stands
13	ANNEXURE-I Page No: 35	e) Past alarms and interventions	<b>Please Rephrase this as below:</b> All Alarms through BMS	Tender Clause Stands
14	ANNEXURE-I Page No: 35	RS485 serial adapter for data transfer to a central supervisor system with MODBUS protocol along with SNMP option should be enabled from day 1.	<b>Please Rephrase this as below:-</b> RS485 serial adapter for data transfer to a central supervisor system with MODBUS protocol along / SNMP option should be enabled from day 1.	Tender Clause Stands
15	ANNEXURE-I Page No: 35	The operating voltage of PACs shall be 415± 15% Volts. Controller should display line to line current, voltage, Neutral voltage, phase wise Energy & power, On-line energy monitoring and power factor.	<b>Please Rephrase this as below:</b> The operating voltage of PACs shall be 415± 15% Volts. Controller should provide LVM to display the voltage and current. Other factor can be monitor from BMS	Tender Clause May be read as "The operating voltage of PACs shall be 415± 15% Volts. Controller should display line to line current, voltage, Neutral voltage, phase wise Energy & power, Other factors can be monitor from BMS."
16	ANNEXURE-I Page No: 36	PACs shall be integrated with BMS system so that remote start/stop operations can be performed on them. Relevant alarms like On/Off status, filter alarms, Compressor alarms etc. can also be captured through BMS system. Following Alarms shall be available in the system 1. Temperature High / Loss of Sensor 2. Compressor 1 High / Low Pressure 3. Compressor 2 High / Low Pressure 4. Wet floor 5. No Air flow 6. Low Humidifier Water. 7. Temperature high / low 8. Humidity high / low BMS system is under owner's scope.	<b>Suggation :-</b> It is not recomended to do any Remote ON/Off operations in a datacenter environment. It can affect the sequensing setup of PAC. So kindly remove this clause	Tender Clause Stands
17	ANNEXURE-I Page No: 36	Warranty shall start after commissioning sign-off by the owner.	Warranty of Unit shall start from date of invoice. Kindly confirm	As mentioned in specification and scope of work, Annexure II
18	ANNEXURE 1, Technical Particulars Pg 33	SITC of PAC Units, Capacity ~30 TR, Bottom Discharge In-floor Fan Units with inbuilt Heater & Humidifier	It is an OEM specific design, Unit shall have EC Fans inside the cabinet. Please ammend the clause and request to accept.	Tender Clause May be read as "SITC of PAC Units, Capacity ~30 TR, Bottom Discharge Fan Units with inbuilt Heater & Humidifier."
19	ANNEXURE 1, Technical Particulars PG 33	The fan speed must be controlled based on the room return air Temperatures and also must have automatic speed control without manual intervention	Since there is no frequent load variation in DC so hence EC fan speed shall be variable but that can be set as per Heat Load. Please ammend the clause and request to accept.	Tender Clause Stands
20	ANNEXURE 1, Technical Particulars PG 34	At least one compressor must be Inverter to achieve highest efficiency.	As per tender, Hermetic/Digital Scroll / Inverter compressors are called for so please allow to accept Hermatic scroll compressors instead of atleast cone compressor must be Inverter type. Please confirm	Tender Clause Stands
21	Page No.- 2,EMD	EMD- 2,00,000	We request you to kindly give the percentage of EMD, so that we can calculate the estimated cost of project for internal working of financial quote.	No such criteria exists.
22	Page No.-7,Qualification Criteria	c) The OEM should have an average annual turnover of Rs.50 crores in last three financialyears. Copy of audited Balance Sheet and P&L Account to be submitted in this regard.	Since there is a possibility of OEMs participating through an authorized channel partner, we request that to department please clarify this clause is applicable on "OEM or Channel Partner" or "on both"	Corrigendum already issued in this regard. Plase check TPCODL website, tender section.
23	Page No.-8,Qualification Criteria	The bidder must have resources as per details below with minimum 3 years of experience in handling the offered components for the modern Data Centre. These resources should possess minimum qualification – 'Diploma in Electrical / Electronic Engineering' or specialized certification from OEMs for offered products. Bidder must submit resource resume and valid certificate along with the bid document. Bidder should also provide resume with appropriate Electrical Supervisor license from EIC (Electrical), Odisha.	We request to the department kindly revise this clause as "The bidder must submit an undertaking to deploy resources as per details below with minimum 3 years of experience in handling the offered components for the modern Data Centre. These resources should possess minimum qualification – 'Diploma in Electrical / Electronic Engineering' or specialized certification from OEMs for offered products. Bidder should also deploy Electrical Supervisor license from EIC (Electrical), Odisha.Since, our organization has valid electrical license & presently we are not having any project in Odisha state.After award of this tender we will recruit required manpower as per this clause.	Tender Clause Stands , However selected bidder must submit the appropriate Electrical Supervisor license from EIC (Electrical), Odisha. Prior to execution of work

24	Page No.-8,Qualification Criteria	The bidder should have implemented minimum three such sized or higher sized Projects in Data Centre environment in last 5 years. Such work completion certificates should be furnished and TPCODL may verify such certificates independently or may opt to visit such locations to ascertain the quality of work.	We request you to change as :	Tender Clause Stands
25			The bidder should have implemented such sized (total capacity of PAC i.e. 180 TR ) Projects in Data Centre environment in last 7 years as per following criteria-	Tender Clause Stands
26			1.1 One similar completed work not less than the size equal to 80 (eighty) percent of the total capacity. Or	Tender Clause Stands
27			1.2 Two similar completed work not less than the size equal to 50 (fifty) percent of the total capacity . or	Tender Clause Stands
28			1.3 Three similar completed work not less than the size equal to 40 (forty) percent of the total capacity.	Tender Clause Stands
29			Such work completion certificates should be furnished and TPCODL may verify such certificates independently or may opt to visit such locations to ascertain the quality of work.	Tender Clause Stands
30	Page No.- 15, Terms of Payment	80% payment will be made within 60 days from the date of receipt of all materials and submission of certified bill. Balance 20% shall be released within 30 days from the date of successful commissioning and submission of certified bill to TP Central Odisha Distribution Limited's Invoice Desk.	As per the RFP Document, there are two Payment Terms given, Please give clarification, which clause could be considered.	Tender clause Stands
31	Page No.- 48, Terms of Payment	1. 5% of the Release Order/ Purchase Order price shall be paid as initial interest free advance on fulfillment of the following by the Associate:		Tender clause Stands
		2. 10% of the Release Order/ Purchase Order price shall be paid as interest free advance against approval of drawings under Category-1 of major drawings, Quality Plans, Pert Chart, Field Quality Plan, posting of Project Manager and commencement of the first mile stone of the work mutually agreed including C-3 Form, and submission of a true copy of 'Erection All Risk Insurance Policy' taken for the awarded jobs. The drawing list shall be mutually agreed at the time of award of work.		Tender clause Stands
		3. 50% on account payment of the total of item wise cost of material Release Order/ Purchase Order shall be paid against receipt of material at site in good condition and certification by TPCODL along with bills complete in all respects viz. MDCCs etc.		Tender clause Stands
		4. 20% on account payment of the actual executed value shall be paid against mechanical completion of erection on prorata basis against monthly bills and 70% on account of the actual executed value shall be paid against the service line item including composite line item.		Tender clause Stands
		5. 15% payment of the actual executed Release Order/ Purchase Order shall be paid after completion of acceptance test and Taking Over of the complete systems		Tender clause Stands
		specified in the enquiry, including clearance of Electrical Inspection, compliance of final punch point and after reconciliation & adjustment of payments,		Tender clause Stands
32	Page No.- 31, Timeline for Delivery and Installation	Bidder is required to deliver the solution within 8 weeks from the date of issue of Purchase Order. Supplied system/ solution should be installed, configured and commissioned in 3 weeks from the Date of Delivery. Timeline of 5 weeks shall be considered for the applicability of LD clause.	Since, the project execution is typical, so we request you to kindly revise the Delivery Timelines as - "Bidder is required to deliver the solution at given site within 8 weeks & supplied system should be installed within 4 weeks from the date of delivery."	This is to clarify that : Delivery, Installation & completion period shall be within 8 weeks from the date of intimation post PO issuance
33	Page No.- 31, SLA /Penalty Clause Page No.- 30, Training	For each week delay in commissioning & Handover, penalty amounting to 1% of Contract Value for the undelivered work shall be levied.	We request to the department kindly revise the penalty amounting 0.5% from 1%.	Tender Clause Stands
34		i. Practical Training to the Electrical and IT staff of TPCODL should be given.	Kindly give the clarity on Duration & Number of participants for training.	This is to clarify that training to be given to Maximum 10 participants for 2 to 3 days depending upon the OEM course material
		ii. The training should cover all the aspects of functioning, maintenance and monitoring of the supplied solution. iii. Course material for the above (one copy each per participant) to be provided		This is to clarify that training to be given to Maximum 10 participants for 2 to 3 days depending upon the OEM course material
35	Page No.- 36, Technical Specs	1- 05 Years OEM onsite warranty support 2- Additional 5 years onsite comprehensive maintenance support (CMS) should be provided by the OEM. OEM should mandatorily agree to the same and provide CMS quotation and ordering for the same shall be taken up after initial warranty support contract. MAF to be submitted.	Kindly give clarity on given clause whether the additional warranty is mandatory & also part of financial quotation or not?	Additional warranty including CMS of at least 2 years is mandatory and Additional warranty price is not to be taken into consideration at this stage.
36	Bidders scope 25 of 182	Design Temperature (°C) & Tolerance : 22 +/- 2	Kindly confirm 22 deg C is return air temperature.	This is to clarify that PAC shall maintain - 21 +/- 1 degree Centigrade across all corner of Cold Aile chamber of rack farm

37	Compressor 34 of 182	Latest generation Hermetic/Digital Scroll / Inverter compressors characterized by high performance and high energy efficiency should be used. Each unit shall have minimum 2 numbers of compressors for high reliability. Each unit shall have double circuit to achieve maximum efficiency and redundancy within the unit. Combination of two same or different types of compressors is permitted provided at least one compressor must be Inverter to achieve highest efficiency.	we request the compressor should be Digital scroll or Inverter type.	Tender Clause Stands
38	Humidifier 34 of 182	Industrial grade maintenance free humidifier for modulating sterile steam production should be provided.	we request to add infrared type humidifier	Tender Clause Stands
39	Safety 35 of 182	Safety Protection Safety Protections: The unit shall also incorporate the following protections: a)Single phasing preventers. b)Reverse phasing c)Phase unbalancing d)Phase failure e)Overload tripping (MPCB) of all components	we request MPCB should be only for compressor and others should have MCB protection.	Tender Clause Stands
40	Additional	<del>Flow Meter Sensor</del> LT panel for power supply to PAC units		Tender Clause Stands
41			Distance between indoor & outdoor unit to get distance of copper pipe for each machine length of input able needed for PAC units Water inlet and drain pipe	This is to clarify that bidder must carry out site visit and propose as per site conditions All Bidders are requested to plan site visit as per schedule below Date of Visit : 03.10.2023 & 04.10.2023 Time : 2:00 PM to 4:00 PM Contact Details : R Adhikari , 9971393918  Bidder Must follows the safety measures for site visit.