

भारतीय मौखिकी संस्थान इंदौर
 डॉ. राजेश शर्मा, निदेशक, इंदौर - 453 552, भारत
 Indian Institute of Technology Indore
 Khandwa Road, Simrol, Indore - 453 552, India

NIT No.: IIT(MM)/CITC/11A/376/JG/2025-26

Date - 02/03/2026

PREBID REPORT

The online meeting for Pre-bid discussion and presentation was held via Google Meet on Feb 11, 2026 @ 03:00 P.M. at IIT Indore for Supply and Installation of Revamping of the Data Center, Qty-as per tender through GeM BOQ ID- GEM/2026/B/7161089.

Please find below the queries received and their responses

Sl. No.	Ref. No.	Technical Specifications	Change Requested	Justification/Queries	Response from IIT
Queries raised by:- (1) M/s. Benchmark Computer Solutions Ltd.					
1		Page NO. 10-11 of bid specification document	WORK EXPERIENCE: Request you to please consider from PSU's or please allow Bidder/OEM Purchase orders.		PSU work experience will be counted.

Queries raised by:- (2) M/s Aaparth Engineers Pvt. Ltd.

- 2 Currently, the CCTV surveillance is listed as one lot. Could you please provide the specific quantity required?
- 3 Additionally, we would like to include Cotten Geaves as an approved make for the DG set, as it is currently unavailable in your list. Please also provide the necessary DG structure details.

10 Nos of CCTV camera for Surveillance System

Please refer to CPWD approved makes document enclosed with NIT, Page No 53 - LIST OF PREFERRED MAKES OF ELECTRICAL MATERIALS. The makes of all the materials to be used in the work have been specified. However, if any material to be used in the work and there is no specified the decision of the Engineer-in-charge in writing shall be final."

Queries raised by:- (3) M/s Vertiv Energy Pvt. Ltd.

- 4 Section II, Technical Specifications, serial number xl SITC of 08 Nos of Integrated Smart Rack DC for Medium density load (10KW per 1 Lot of Rack) with low side work as per BOO/technical annexure/SOW
- We understand that solution asked in RFP to be implemented as outlined in Page 65, item 6 & page 74, item 7 of the Technical Specification for 10 Nos POD Smart Rack Solution — comprising 8 Nos with a 10KW load per rack and 2 Nos with a 20KW load per rack AND 04 Nos High Density Smart Rack Solution - 20KW per rack load. Pls Confirm
- Please read this as - Requirement is for 1, POD A - 10 Nos Integrated Smart Rack Solution — comprising 08 Nos with a 10KW load per rack and 02 Nos with a 20KW load per rack. AND 2, POD B - consisting of 04 Nos High Density Integrated Smart Rack Solution - 20KW per rack load. The total summarizes to - Medium Density: 8 racks @ 10 kW per rack and High Density: 6 racks @ 20 kW per rack
- 5 Section II, Technical Specifications, serial number xl SITC of 08 Nos of Integrated Smart Rack DC for High density load (20KW per 1 Lot Rack) with low side work as per BOO technical annexure/SOW
- We understand that solution asked in RFP to be implemented as outlined in Page 65, item 6 & page 74, item 7 of the Technical Specification for 10 Nos POD Smart Rack Solution — comprising 8 Nos with a 10KW load per rack and 2 Nos with a 20KW load per rack AND 04 Nos High Density Smart Rack Solution - 20KW per rack load. Pls Confirm
- Please read this as - Requirement is for 1, POD A - 10 Nos Integrated Smart Rack Solution — comprising 08 Nos with a 10KW load per rack and 02 Nos with a 20KW load per rack. AND 2, POD B - consisting of 04 Nos High Density Integrated Smart Rack Solution - 20KW per rack load. The total summarizes to - Medium Density: 8 racks @ 10 kW per rack and High Density: 6 racks @ 20 kW per rack
- 6 3. Design Basis
 No. of IT Racks (Initial):
 o Medium Density: 8 racks @ 10 kW per rack
 o High Density: 6 racks @ 20 kW per rack
- We understand that solution asked in RFP to be implemented as outlined in Page 65, item 6 & page 74, item 7 of the Technical Specification for 10 Nos POD Smart Rack Solution — comprising 8 Nos with a 10KW load per rack and 2 Nos with a 20KW load per rack AND 04 Nos High Density Smart Rack Solution - 20KW per rack load. Pls Confirm

- 7 DCIM and Monitoring
- 8 6A: General Requirement
c) All works shall conform to relevant Indian Standards (IS), National Building Code (NBC), CEA regulations, CPWD Specifications, local statutory approvals and requirements, and Data Centre best practices. Any additional work required to achieve statutory or safety compliance shall be deemed included in the scope. Electrical and civil items shall be singly as per approved make list or CPWD, which is attached as annexure VII.
- 9 1) The bidder shall ensure the factory testing of electrical panels and DG set is carried out in physical online presence of IIT Indore team. For other electrical items, factory test certificate shall be submitted.
- 10 UPS load test for existing load with continuous operation as per designed backup time.
- 11 Cooling performance validation under designed heat load conditions
- 12 SI No: K
SITC of 08 Nos of Integrated Smart Rack DC for Medium density load (10KW per Rack) with low side work as per BOC/technical annexure/SOW
- 13 SI No: L
SITC of 06 Nos of Integrated Smart Rack DC for High density load (20KW per Rack) with low side work as per BOC/technical annexure/SOW
- 14 Annexure -1) 8. DX based Inrow Precision Air Conditioning System (N+1 redundancy) - per rack 20 kW Heat Load / a. Configuration

We hereby request to clarify that whether IIT will shall provide the Desktop workstation or Virtual Machine with OS to install the monitoring software like DCIM, Lithium battery monitoring etc. Pls confirm.

Point 1) We hereby draw the department attention about HVAC CU piping is not part of preferred make list so dept allow that HVAC piping and installation work shall be executed as per Smart Rack OEM's best practices.

Request you to pls accept Factory test certificates from the OEM of all the major components.

Pls confirm whether the load testing to be done on artificial load considering full IT load capacity? Kindly accept factory test certificate against the same or Pls specify the time duration for the load test.

Kindly accept OEM software selection sheets to confirm the capacity per Cooling Unit.

In accordance with the submitted query regarding serial number 2, we formally request that the price bid and commercial terms be applicable as per the detailed technical specifications of the requirement.

In accordance with the submitted query regarding serial number 3, we formally request that the price bid and commercial terms be applicable as per the detailed technical specifications of the requirement.

Query cum amendment request as following

Please read this as - IIT Indore will provide the Desktop workstation or Virtual Machine with OS to install the monitoring softwares like DCIM, etc. It is not in the scope of this bid.

Please refer to CPWD approved makes document enclosed with NIT, Page No 53 - LIST OF PREFERRED MAKES OF ELECTRICAL MATERIALS-the makes of all the materials to be used in the work have been specified. However, if any material to be used in the work and the make is not specified the decision of the Engineer-in-charge in writing shall be final."

Same As per the Notice Inviting Tender (NIT)

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Precision Air Cooling units should be multiples of 40KW or higher capacity. For POD A (consisting of 08 Nos of 10KW IT Load and 02 Nos of 20 KW IT Load)- In row direct expansion cooling units to cater the total IT load of 120 KW in 10 racks in N+1 topology; Minimum 4 Nos of 40KW or higher capacity shall be considered in N+1 redundancy; For POD B (consisting of 04 Nos of 20 KW IT Load)- In row direct expansion cooling units to cater the total IT load of 80 KW in 04 racks in N+1 topology; Minimum 3 Nos of 40KW or higher capacity shall be considered in N+1 redundancy; For both PODs A and B - 1. OEM/bidder must also consider for appropriate wiring and piping arrangement for an additional cooling unit from day 2. The units to be sized @ minimum 45C Ambient temperature & minimum 35C return air temperature. 3. OEM software selection sheet for the cooling unit to be submitted along with the bid.

Please read this as - The price bid and commercial terms will be applicable as per the detailed technical specifications of the requirement.

Please read this as - The price bid and commercial terms will be applicable as per the detailed technical specifications of the requirement.

15 Precision Air Cooling units should be in multiples of 40KW or higher capacity . In row direct expansion cooling units to cater the total IT load of 100KW in 10 Racks in N+1 topology.

As per RFP specs, considering 4 rack set with 20KW per rack , the total IT load should be 80 KW . We hereby request to confirm the same.

16 Minimum 4 Nos of 40KW or higher capacity shall be considered in N+1 redundancy

w/rt above point. We hereby request to consider as Minimum 3 Nos of 40KW or higher capacity shall be considered in N+1 redundancy

17 The DCIM OEM should have installed similar kind of DCIM solution for more than 100 racks in any 3 PSU/Banks/Government Institution who are registered in India and vendor should be able to provide supporting proof of the same.

We hereby request that this clause be made optional. However, the smart rack OEM PQC has been requested for this RFP, and since DCIM is also part of the solution, we therefore ask that this clause be considered optional.

18 9. Manpower & Drill Requirements
9.1 The Service Provider shall deploy trained manpower for periodic mock drills and system testing.
9.2 Frequency of drills shall be decided jointly with IT Indore, minimum once per year.

Pis specify procedures to be performed at the time of drills .

Precision Air Cooling units should be multiples of 40KW or higher capacity. For POD A (consisting of 08 Nos of 10KW IT Load and 02 Nos of 20 KW/IT Load)- In row direct expansion cooling units to cater the total IT load of 120 KW in 10 racks in N+1 topology; Minimum 4 Nos of 40KW or higher capacity shall be considered in N+1 redundancy; For POD B (consisting of 04 Nos of 20 KW/IT Load)- In row direct expansion cooling units to cater the total IT load of 80 KW in 04 racks in N+1 topology; Minimum 3 Nos of 40KW or higher capacity shall be considered in N+1 redundancy; For both PODs A and B - 1. OEM/bidder must also consider for appropriate wiring and piping arrangement for an additional cooling unit from day 2. The units to be sized @ minimum 45C Ambient temperature & minimum 35C return air temperature. 3.OEM software selection sheet for the cooling unit to be submitted along with the bid.

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Same As per the Notice Inviting Tender (NIT)

Procedures include at least biannually performing the following -

1. Power System Drill:
Power System Drill shall include simulation of (a) utility power failure, (b) UPS takeover and load sustenance, (c) DG auto-start and load transfer mechanism, and (d) restoration to normal utility power conditions, along with validation of uninterrupted supply to critical loads.

2. Cooling System Drill:
Cooling System Drill shall include simulation of (a) shutdown or failure of one precision air-conditioning unit, (b) temperature rise and threshold monitoring, and (c) alert generation and response verification to ensure redundancy effectiveness and safe operating conditions.

3. Fire Detection & Alarm Drill:
Fire Detection & Alarm Drill shall include simulation of (a) fire panel alarm trigger (without actual gas discharge unless specifically approved), (b) alarm escalation and notification mechanisms,

and any other similar drill required.

4.The Smart Rack OEM must have executed minimum 03 Integrated Smart Rack Data Centre project/site, with minimum 10 rack configuration with Inrow cooling units. In each project/site, during the last 5 years from the bid submission date in any Govt/Semi Govt/PSU/Centrally Funded Technical Institutes (CFTI) which includes IITs, IISERS, JIMs, NITs, IITs, IISc and IES T, CSIR Institutes (Central Universities and /or DAE Institutes (NISER, TIFR).Completion Certificate signed by the concerned authorities to be submitted along with the bid.

/ Annexure VII / Preferred Makes of materials for Electrical works

22. BATTERIES : EXIDE / AMRON / AMAR RAJA

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Kindly Revise the clause as :
The Smart Rack OEM must have executed minimum 03 Integrated Smart Rack Data Centre project/site, with minimum 10 rack configuration with Inrow cooling units. In each project/site, during the last 5 years from the bid submission date in any reputed Govt/PSU /Pvt organizations. Completion Certificate signed by the concerned authorities to be submitted along with the bid.

Query cum amendment request as following

Pls revise as :
22. BATTERIES : EXIDE / AMRON / AMAR RAJA
Lithon Batteries : LG / Samsung /Vertiv / Schneider

Busbar trackway : Vertiv/ Aarod Mardix / Starline Power

Please read this as - The Smart Rack OEM must have executed minimum 03 Integrated Smart Rack Data Centre project/site, with minimum 10 rack configuration with Inrow cooling units. In each project/site, during the last 5 years from the bid submission date in any Govt/Semi Govt/PSU/Centrally Funded Technical Institutes (CFTI) which includes IITs, IISERS, JIMs, NITs, IITs, IISc and IES T, CSIR Institutes (Central Universities and /or DAE Institutes (NISER, TIFR).Completion Certificate signed by the concerned authorities to be submitted along with the bid.

Please refer to CPWD approved makes document enclosed with NIT, Page No 53 - "LIST OF PREFERRED MAKES OF ELECTRICAL MATERIALS". The makes of all the materials to be used in the work have been specified. However, if any material to be used in the work and the make is not specified the decision of the Engineer-in-charge in writing shall be final."

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Queries raised by :- (4) M/s Flash Consultant & Contractor

22	Pls add Busbar Trackway make in the preferred make list	1. Any bidder from a country sharing a land border with India will be eligible to bid in this tender only if the bidder is registered with the Department for Promotion of Industry and Internal Trade (DPIIT) as per vide Ministry of Finance OM No. 6/19/2019-PPD dated 23rd July 2020 and its subsequent amendments.	Our firm M/s. Flash consultant and border with India will be eligible to bid in this tender only if the bidder is registered with the Department for Promotion of Industry and Internal Trade (DPIIT) as per vide Ministry of Finance OM No. 6/19/2019-PPD dated 23rd July 2020 and its subsequent amendments.	Please refer the to tender documents Section-I, Special terms and conditions, Point-1
24	Section-II, Part-1, Sr.No.-2 Page no.-10	The Bidder should be OEM/ Authorized -Distributors/ Dealers/ Firms and should have the existence of firm for a minimum period of 5 years, Valid certificate of Incorporation/ Registration of the firm.	Our date of Incorporation 01/01/1998	Please refer the to tender documents Section-II, Part-I Point-2
25	Section-II, Part-1, Sr.No.-4 Page no.-10	Udyam Certificate if bidder claim MSEs should be as per GAIL, STC Clause 04, Point no (Xiii), m. (i) Note- Exemption for MSME's under this clause shall be given to only those bidders who are OEM and have a valid UDYAM certificate with major activity as Manufacturing . (Traders/Authorized dealers shall not be eligible for any exemption).	MSME certificate attached with category details please confirm for EMD exemption	Please refer the to tender documents Section-II, Part-I Point-4
26	Section-II, Part-1, Sr.No.-6 Page no.-12	WORK EXPERIENCE: The Vendors / Bidders should have work experience as per the parameters, Note: Similar work means Design, Supply, Installation, Testing & Commissioning (DSITC) of Data Centre Infrastructure using Integrated Smart Rack Solution.	Compulsorily required have work experience in DSITC is mandatory	Same As per the Notice Inviting Tender (NIT)
27	Section-II, Part-1, Sr.No.-13 Page no.-12	Solvency Certificate- Bidder or OEM must submit a certificate of Rs. 4,20,00,000/-, The certificate should be issued from Scheduled Commercial Public Sector Bank and the same should not be more than 06 months old as on the last date of bid submission.	As per CPWD/ Government works bank solvency should be 40% of the estimate cost. Kindly confirm	Please refer the to tender documents Section-II, Part-I Point-13

28 Tender Doc
29 Tender Doc

Qty in Lot kindly mention the Lot size (the qty in Nos.)
Please confirm the make list related to DG,UPS,PAC parts etc

Qty in Lot kindly mention the Lot size (the qty in Nos.)
Please confirm the make list related to DG,UPS,PAC parts etc

Quantity is already mentioned wherever required. Lot is used for cumulative works which include complete SITC.
Please refer to CPWD approved makes document enclosed with NIT, Page No 53 - LIST OF PREFERRED MAKES OF ELECTRICAL MATERIALS-The makes of all the materials to be used in the work have been specified. However, if any material to be used in the work and the make is not specified the decision of the Engineer-in-charge in writing shall be final."

Queries raised by:- (5) M/s Aveca Technologies

30 One/ Two/ Three Similar Completed work In Last 3 years & Page no:10-11

We request you to consider past experience in last 7 years

Only last three financial years (21-22,22-23,23-24) work experience will be considered

31 Similar Work Means-Design, Supply, Installation, Testing & Commissioning of Data Centre Infrastructure using Integrated smart rack solution

Similar Work Means Design, Supply, Installation, Testing & Commissioning of Data Centre Infrastructure using rack solution Please remove clause-using Integrated smart rack solution

Same As per the Notice Inviting Tender (NIT)

Queries raised by:- (6) M/s Cypress Solutions Private Limited

EMD (Earliest Money Deposit) Exemption

As per the General Terms and Conditions (GTC) of All participants are system Integrators G&M, certain categories of bidders are eligible for EMD exemption. Specifically, Micro and Small Enterprises (MSEs) and Start-ups recognized by DPIIT are exempted from furnishing EMD.

Bidder having the valid Udyam certificate / Startup certificate having the major activity as service can also participate.

32

In the case of a tender bid that includes supply, installation, testing, and commissioning services, these services are an integral part of the contract. Since the contract involves services, the bidder (System Integrator firm) qualifies for EMD exemption under the G&M GTC Clause 13(m), which explicitly states that MSEs and DPIIT-recognized Start-ups are exempt from furnishing EMD for bids where they are offering their primary product or service.

Eligibility Turnover (Proportionate to Bid Value)

The installation, testing, and commissioning services are considered part of the primary service offering in this contract. Therefore, the bidder, being an eligible MSE or DPIIT-recognized Start-up, is entitled to EMD exemption.

As per MSME & G&M guidelines relaxation in turnover criteria to be considered for the MSME, to promote competition and prevent the exclusion of capable medium-sized enterprises, the Annual Average Turnover requirement should be proportionate or 30% to the estimated bid value and should not be restrictive. Excessive Turnover requirements can lead to higher procurement costs and a lack of transparency. Aligning turnover with the bid value ensures that only financially stable and capable bidders participate without creating an entry barrier that favors only very large corporations. Therefore, turnover criteria should be less than or equal to the 30% bid value. Please consider and amend accordingly.

Average annual turnover relaxation clause is already for the MSE firms.

33

The installation, testing, and commissioning services are considered part of the primary service offering in this contract. Therefore, the bidder, being an eligible MSE or DPIIT-recognized Start-up, is entitled to EMD exemption.

As per MSME & G&M guidelines relaxation in turnover criteria to be considered for the MSME, to promote competition and prevent the exclusion of capable medium-sized enterprises, the Annual Average Turnover requirement should be proportionate or 30% to the estimated bid value and should not be restrictive. Excessive Turnover requirements can lead to higher procurement costs and a lack of transparency. Aligning turnover with the bid value ensures that only financially stable and capable bidders participate without creating an entry barrier that favors only very large corporations. Therefore, turnover criteria should be less than or equal to the 30% bid value. Please consider and amend accordingly.

Past Performance & Experience			
34		<p>Preference shall be given to bidders who have successfully delivered SITC projects in high-stakes, "zero-downtime" environments (e.g., Financial Institutions, NSE/BSE, Banks, NIC's National Data Centre, PSU like PGCIL, etc). Experience in these sectors demonstrates a superior understanding of the rigorous testing and commissioning standards required for the Data centre project with past work credentials irrespective of domain vertical & geographical boundaries. Experience on only educational institutes is restrictive and to be eliminated, only experience of similar product SITC will be considered to ensure the selection of a technically competent System Integrator capable of delivering a high-reliability infrastructure while maintaining the competitive spirit and compliance requirements of the GeM portal.</p>	<p>Please read this as - The Smart Rack OEM must have executed minimum 03 Integrated Smart Rack Data Centre projects/site, with minimum 10 rack configuration with inrow cooling units, in each project/site, during the last 5 years from the bid submission date in any Govt./Semi Govt./PSU/Centrally Funded Technical Institutes (GFTI) which includes IITs, IISERs, JIIMs, NITs, IITs, IISc and IIES T. CSIR Institutes, Central Universities and/or DAE Institutes (NISER, TIFR). Completion Certificate signed by the concerned authorities to be submitted along with the bid.</p>
35		<p>Reference eligibility completion certificate of similar work will be within 5 years instead of 3 years to be considered.</p>	<p>No Change</p>
36		<p>Reference eligibility completion certificate will be of any global installation to be considered and from any public service establishment / organisation.</p>	<p>No Change</p>
37	<p>Site Visit Mandatory: Bidders must visit CIRC, IIT Indore before bidding (Mon-Fri, 10 AM-5 PM) -</p>	<p>Please Allow to do the site survey on Saturday also.</p>	<p>Please read this as - Site Visit: Bidders are encouraged to visit CIRC, IIT Indore before bidding (Mon-Fri, 10 AM-5 PM) only, as Saturdays are non working days for IITL.</p>

Assistant Registrar
MM Section
IIT INDORE

