

India Meteorological Department, Ministry of Earth Sciences, GoI

DGM-HQ-23011(10)/2/2024-NWP-DGM(E-43377)

09th September, 2025

Sub: Minutes of the Pre-bid meeting of the “for procuring High Performing Computing System (HPCS) for the IMD’s Operational Work” (as per RFP document) held on 20/08/2025.

IMD published a global tender under CPPP (Tender Reference Number - CPU/53/0725/1554) for the procurement of HPCS for IMD’s operational use under Mission Mausam on 28th July 2025, with a scheduled pre-bid meeting on 20th Aug 2025.

In this regard, the Secretary-MoES has constituted the Pre-Bid, Technical and Financial Evaluation (TFEC) Committee, comprising the following members, to address the queries related to the published Tender/RFP during the Pre-Bid meeting and subsequently prepare the TFEC reports:

- | | |
|---|--------------------|
| 1. Dr. D. Preveen Kumar, Sc-G, NCMRWF, Noida | - Chairman |
| 2. Dr. Phani Murali Krishna, Sc-F, IITM-Pune | - Member |
| 3. Dr. Prashant Dinde, Sc-F & Associate Director, HPC Tech, CDAC Pune | - Member |
| 4. Sh. Jigarbhai A Raval, Scientist/Engineer-SG, Head, CNIT Division, Information Security Officer, PRL Ahmedabad | - Member |
| 5. Sh. S. Gopal Krishna, Director (IFD), MoES | - Member |
| 6. Sh. Rajendra Kumar Kumhar, Director (Finance), IMD, Delhi | - Member |
| 7. Dr. Ananda Kumar Das, Sc-F, IMD, Delhi | - Member |
| 8. Dr. S. I. Laskar, Sc-F, CPU, IMD, Delhi | - Member |
| 9. Dr. Arulalan T, Sc-D, NWP, IMD, Delhi | - Member-Secretary |

As per the scheduled date of the RFP, a pre-bid meeting was organized physically at ISSD conference hall, 2nd floor, DGM Main Building, Mausam Bhawan, Lodhi Road, New Delhi, on 20th August 2025 at 1100 hours onwards. All the committee members and the chairman joined the meeting physically, and three members, Sh. Jigarbhai A Raval, Sh. S. Gopal Krishna, Director (IFD), and Sh. Rajendra Kumar Kumhar, Director (Finance), joined the pre-bid meeting virtually.

A total of 16 representatives of the following OEMs attended the pre-bid meeting physically on 20th August 2025 from 1100 to 1400 hours.

1. M/s. DELL INDIA PVT LTD
2. M/s. EVIDEN INDIA PVT LTD
3. M/s. HPE INDIA PVT LTD
4. M/s. SUPER MICRO INDIA PVT LTD
5. M/s. MEGANET TECHNOLOGIES INDIA PVT LTD
6. M/s. NETWEB TECHNOLOGIES INDIA PVT LTD

At the outset, the Chairman welcomed all the members and representatives of the OEMs/bidders. The Committee discussed internally the major points of clarification raised by the bidders, and tentative responses were drafted before inviting the bidders to raise their queries during the pre-bid meeting.

Dedicated time slots were assigned to four OEMs (Dell, Eviden, HPE, and Super Micro) to raise their major queries, which needed to be discussed in front of all participants due to time constraints. The Committee immediately responded to some of the queries, and noted the remaining queries for detailed discussion. The Chairman also thanked all the bidders for their active participation in the pre-bid meeting and mentioned that all queries received by email until 20.08.2025 would be answered and published on the CPPP.

The pre-bid and TFEC Committee held its second meeting on the same day, 20.08.2025, from 14:30 to 17:30 hours with Committee members alone. During this meeting, some important queries raised by the bidders were discussed, particularly a major concern of all OEMs regarding the indemnity clause of the Non-Disclosure Agreement (NDA) for using the benchmark models, source code, input data, verification code, and results. The Committee updated the NDA accordingly and shared it with all OEMs on 21.08.2025 for signing.

Subsequently, the pre-bid and TFEC Committee held seven more meetings via video conference on 22.08.2025, 25.08.2025, 29.08.2025, 03.09.2025, 06.09.2025, 07.09.2025, and 08.09.2025. During these meetings, all queries (**a total of 262**) received from prospective bidders via email until 20.08.2025 were examined in detail, and responses were finalized. These responses are provided in **Annexure-3**.

After detailed discussion and deliberation with the vendors, the major changes and clarifications agreed upon or recommended by the Committee are as follows:

General Queries:

(A) RFP PAGE 122 - Appendix-3

The proposed Layout diagram of the site location is attached as **Annexure-1** of the Minutes of Prebid Meeting/Corrigendum report.

(B) EMD form (Format 1.4)

The EMD format is attached as **Annexure-2** of the Minutes of Prebid Meeting/Corrigendum report.

(C) Scope of Work

(i) On-site engineer and NWP division duty officers - Sitting Capacity

Upon request from the OEMs for clarity on sitting capacity, **a new clause 2.1.3 (k) of 2. Scope of Work, Section VI at Page No 121 of RFP is added** and it shall be read as "Minimum 02 Seats required for NWP Duty Officers. Pantry room facility should be equipped with water supply, wash basin, electrical supply, light, air ventilation, exhaust fan, and any other support/utilization equipment/electrical items required for onsite engineers and as per the site requirements."

(ii) Data Center Safety System

Upon request from the OEMs for clarity on data center, **a new clause 2.1.3 (I) of 2. Scope of Work, Section VI at Page No 121 of RFP is added** and it shall be read as "Bidder should supply and install Water Leak Deduction System, Rodent Repellent System, Clean Agent Gas Suppression System, Very Early Smoke Detection Apparatus System, Fire Suppression System, Fire Alarm System, CCTV System, Access Control System, Cool Temperature & Humidity Controller within all rooms of data center including rooms of HPCS DC, BMS, NWP DO room, UPS, Battery, other Electrical item room. Also Rodent Repellent System needs to be installed at the outdoor equipment area (Phase-IV as given in Appendix-3) if required."

(iii) Training

Upon request from the OEMs for clarity on the Training requirement, **a new clause 2.1.11 of 2. Scope of Work, Section VI at Page No 121 of RFP is added** and it shall be read as "Minimum 2 Full Days Physical Training for at least 10 IMD Officials on all Hardware Equipment (indoor & outdoor equipment), and Minimum 3 Full Days Physical Training for at least 40 IMD Officials on Software, HPCS usage, GPU usage, Job submission/Monitoring etc. at Mausam Bhawan, Lodhi Road, New Delhi"

(iv) Diesel Generator Sets

As OEMs pointed out that the delivery time of dual source connectivity with Diesel Generator will take 9 to 10 months, the committee decided to **remove dual source connectivity with DG sets**, accordingly updated the RFP clause as follows.

A sentence within paragraph 2.1.3.a of 2. Scope of Work of Section VI at Page No 126 of RFP, shall be read as **"Diesel Generator Sets" only without "as dual source/secondary source of operation to be enabled with PNG/CNG Gas connectivity (IMD will arrange PNG/CNG pipe connection point from IGL)"**.

(D) RFP Page No. 113 - Section VII: Technical Specifications and Quality Assurance 1.4. Project Completion Period & 1.5: Delivery Schedule

The clause may be read as below;

1.4. Project Completion Period:

Should be completed within **8** months from the date of payment of first instalment of Advance Payment

1.5. Delivery Schedule:

- (1) Data Centre preparation related goods for site at IMD Delhi should be delivered within **5** months from the date of payment of first instalment of Advance Payment.
- (2) Data Centre / site preparation should be completed within **6** months from the date of payment of first instalment of Advance Payment.
- (3) Supply, installation and commissioning should be completed within **7** months from the date of payment of first instalment of Advance Payment.

- (4) Supply, installation, commissioning and successful acceptance should be completed within **8** months from the date of payment of first instalment of Advance Payment.

(E) RFP Page 7- Section I Appendix to NIT: Tender Information Summary 3.0 Critical Dates

Upon request from bidders the bid submission date and bid opening dates are revised as below.

Bid Submission Closing Date & Time: **12th October 2025, 1100 Hours**

Bid Opening Date & Time: **13th October 2025, 1100 Hours**

(F) RFP Page 2 - para 1(c) of 3. Eligibility Criteria for Participation in this Tender

shall be read as "be a manufacturer of the product offered (i.e OEM only)", to be consistent with clause Appendix to NIT: Tender Information Summary Table, at Page No.7 "Nature of Bidders eligible – OEMs/ Dealers authorized by OEMs - OEM".

(G) RFP Page 101 & 102 - Section V: Special Conditions of Contract (SCC)

Corrected the RFP clause reference numbers at Page Nos 101 & 102 paragraph within the table, shall be read as follows:

GCC 5.10 Book Examination Clause - NA

GCC 5.11 Custody and Return of the Procuring Entity's Materials/ Equipment/ Documents loaned to Contractor - NA

GCC 5.12 Compliance with Labour Codes – Yes

(H) RFP Page 125 - para 4.1.18 of Section VI

Upon OEMs request to limit this clause usage of software as per the scope of this RFP only, and now the para 4.1.18 shall be read as "Software and optional hardware which will be supplied free and which will be charged for should be indicated separately. Purchaser will have the right to make multiple copies of software and also to use the same **as per scope of this RFP**. Optional cost for these may be indicated. Restrictions on software usage, if any, should also be indicated. Extent of free on-site support for software as well as advice and guidance for development and implementation of customer systems should be indicated."

Technical Queries

(1) RFP Page 149, Section VI, para (i) of 6.3 Configuration details based on benchmark

Upon request from the OEMs for clarity on FP64, this paragraph shall be read as, "The Base System Configuration with 2 times PFS usable disk storage capacity and with 4 times usable disk/tape archival storage capacity and 20% Accelerator of CPU capacity with **FP64 Vector** (e.g. if Base System Configuration is 1 PF compute then PFS usable Capacity should be 2 PB and Archival Storage usable capacity should be 4 PB and **dedicated** Accelerators should be 200 TF **FP64 Vector**").

(2) **RFP Page 136, Section VI, para 5.4.5 Protocol Support**

Upon request from the OEMs and to be consistent with clause 5.4.1, the committee decided to upgrade NDR or equivalent instead of HDR or equivalent. Also, OEMs do not support pNFS protocol, so the committee decided to remove pNFS support.

This paragraph shall be read as "Parallel File system protocol for high speed scratch space with RDMA over InfiniBand (**NDR or equivalent**). The offered Parallel File systems should support CIFS, NFS, SNMP protocols."

(3) **RFP Page 137, Para 5.4.8 RAID Levels, Section VI**

Upon OEMs request to modify the metadata storage must be hosted on RAID1+0 or RAID1 or better, instead of "RAID1+0 only" and the committee agreed to change it. Now this para 5.4.8 shall be read as "RAID Level 6 or equivalent or better technology with documentary proof for Parallel File System data and home directories. Metadata storage for PFS must be hosted on **RAID1+0 or RAID1 or better layout**. Must support protection against double disk failures in same RAID group."

(4) **RFP Page 138, Para 5.4.13 Storage Availability, Section VI**

Upon all OEMs request for storage availability as 99.5% instead of 99.99999% (five nines) of availability, the committee agreed to amend and it shall be read as "Designed for 99.5% (ninety nine point five percentage) of availability, In case of failure of storage controller the impact on performance and capacity in the total storage should not more than 10%. The proposed solution should offer this resiliency at the controller level."

(5) **RFP Page 138, Para (4) under 5.4.16 General Instructions, Section VI**

Upon OEMs request, the committee agreed to accept any type of cooling technology solution and it shall be read as "**The direct liquid cooling (DLC) or Air cooling (AIR) based or any cooling technology based** solution be supplied for cool down the compute nodes and accelerator GPU nodes. **Bidder must furnish their solution type. If bidder propose DLC based solution, then following conditions are applicable;** (i) Bidder to be required to consider chemical dosing system to maintain the water quality as required by DCLC. (ii) Water from tap to be used directly or treated chemically or RO to be used. (iii) Also, bidder should supply, install and maintain the required RO/chemically treatment based water purifier solution (as per proposal by bidder). (iv) Water will be checked every quarter / monthly / within six months need to be defined. (v) Water has to be monitor on regular basis and same has to be feature with Chemical dosing system."

(6) **RFP Page 151, the last para 6.5 Specific benchmark rules for HPC programs & RFP Page 152, para 7.3 of Selection Criteria of Section-VI**

Upon OEM requests to be consistent with updated NDA, the committee decided to update the benchmark verification at **benchmarking** site instead of manufacturer's site.

(i) The last paragraph of 6.5 Specific benchmark rules for HPCC programs of Section-VI at RFP Page 151 shall be read as "Vendors may provide extrapolated estimates of benchmark timings. However, at the time of benchmark verification at **benchmarking** site, these timings (or better timings) must be reproduced on the quoted configuration. Failure to reproduce the quoted timings shall result in disqualification of bids as well as forfeiture of EMD/PS."

(ii) The paragraph 7.3 of Selection Criteria of Section-VI at RFP Page 152 shall be read as "Benchmark verification at **benchmarking** sites shall be carried out for only those bids who qualify the procedure in 7.2 above. The vendors who successfully demonstrate the quoted timings and results at Benchmark verification at **benchmarking** sites will be further shortlisted."

(7) **RFP Page 146, new clause 5.8 Cyber Security, under Section VI: Schedule of Requirements**

Upon recent OEMs & IEMs recommendation, the committee decided to include a new clause 5.8 under Section VI: Schedule of Requirements, at Page No 146 of RFP and it shall be read as follows:

"The bidder should provide the following Cyber Security Software Applications must be installed/configured on Perpetual or Licensed-based usage to access all HPCS compute nodes, GPU nodes, Utility Servers in a secured way at any given time within IMD networks (both Local and NKN).

1. Remote Access and Network Security

- a. Multi-Factor Authentication (MFA)
- b. Firewalls Rule Base Review
- c. Network Access Control (NAC)
- d. Zero Trust Network Access (ZTNA)

2. Endpoint / Server Security

- a. Endpoint Detection & Response (EDR / XDR)
- b. Mobile Device Management
- c. Data Loss Prevention (DLP)
- d. Vulnerability Assessment

3. Security Monitoring

- a. Managed Security Services (NG SOC / MDR)

4. Risk & compliance Assessments, Training & Incident Planning

- a. Security Awareness Training
- b. Incident Response Plan
- c. ISO27001 Certified Facility

(8) **RFP Page 134, 5.3.7 Technical Specification for Utility Servers**

Upon OEM request and the software has recently become proprietary, the **committee decided to remove PVWave from software**. Now the pre-last paragraph of "Operating System and other software" at Page No 134 of RFP shall be read **without PVWave**.

(9) RFP Page 156, Proforma 01 - Hardware - System Software of Appendix-8

Upon OEM request and the software has become proprietary recently, the **committee decided to remove SPECMARK from System software Included in the Offer**. Now Proforma 01 - Hardware - System Software of Appendix-8 at Page 156 shall be read "without SPECMARK (ALL)".

(10) RFP Page 147 Appendix 6 – 6.1 Benchmark Requirements

(i) As the AIML model is not included in the Benchmark models, so it has been corrected by removing "AI/ML based systems" from the following sentence. Also upon request from the OEMs, the benchmark system size is reduced to 500TF. Now, the statement of para 6.1 of Appendix-6 at Page No 147 shall be read as **"The size of the benchmark system is expected to be around 500 TF Peak (CPU based systems)."**

(ii) Upon request from the OEMs, the benchmark system size is reduced to 500TF, however, log files of all copies of benchmarks should be submitted. Preferably all copies should be run simultaneously, provided benchmark system supports the same or else Maximum number of copies should be run on benchmark system, however the total number of copies as specified in the RFP has to be run by populating as many copies as possible in each execution.

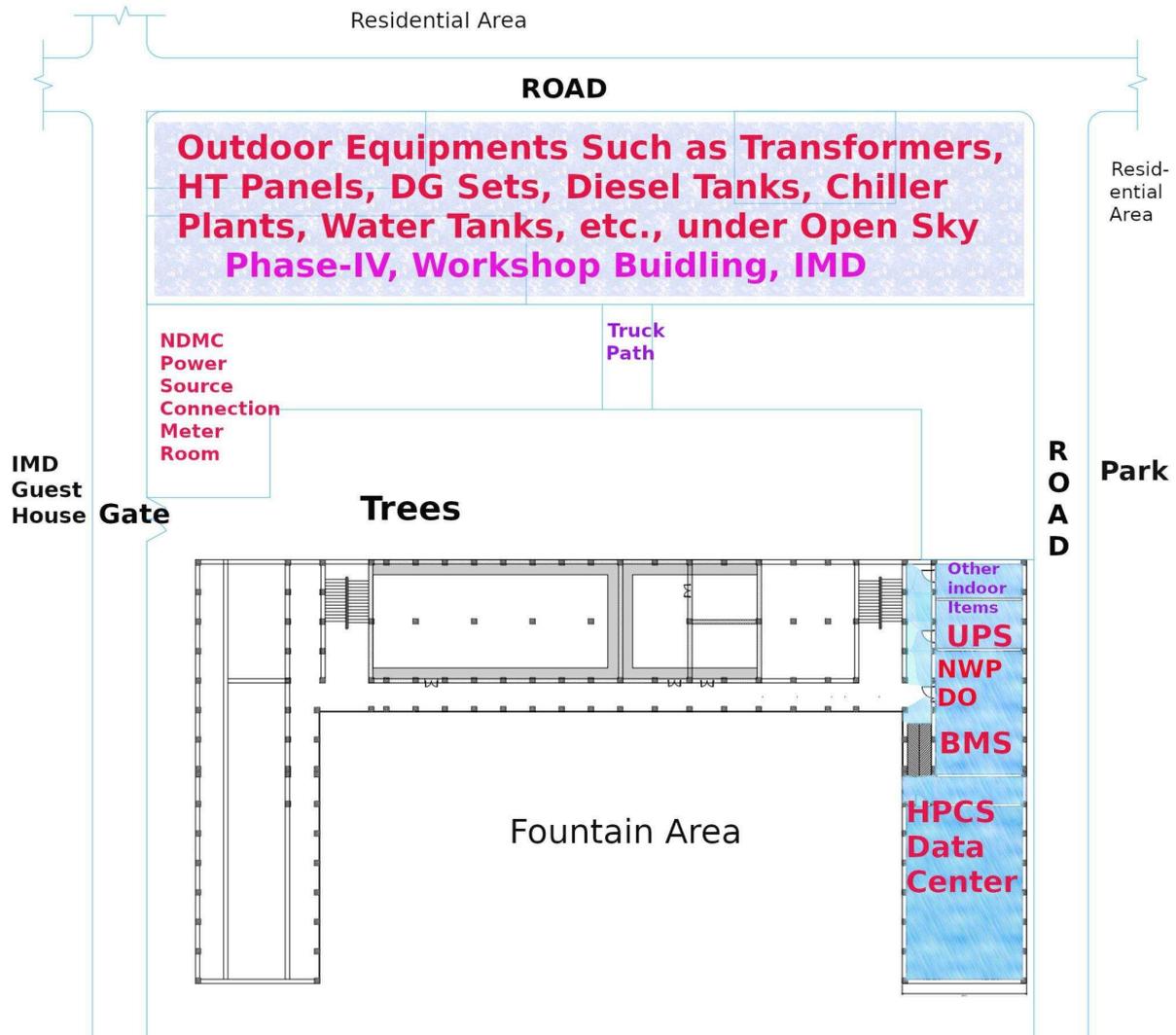
The committee also confirms that, aside from those already mentioned, no financial, payment, or terms and conditions clauses in the RFP have been updated.

Location (address) of site where HPC Solution shall be installed.

The Site of Computational Infrastructure and HPC Solution

India Meteorological Department (IMD)

**Old Carpentry Hall, Workshop Annexure Building (Right Wing),
Mausam Bhawan, Lodhi Road, New Delhi, India 110003.**

IMD HPCS Data Center Proposed Layout**Instructions:**

1. All Black Colored Text within the above Layout represents existing locations.
2. All Non-Black Colored Text represents proposed work and its locations/rooms/area.
3. Trees should not be cut/removed.
4. Removal of any walls and expansion of the HPCS DC area, indoor & outdoor painting, polishing, etc., are under the bidder's scope.
5. The bidder should submit a detailed layout along with the dimensions of the rooms, with the details of the planned location on the ground floor of the above-mentioned building for the data center, including indoor and outdoor equipment.

Format 1.4

**MODEL BANK GUARANTEE FORMAT FOR FURNISHING EMD
(Format only)**

Whereas
(hereinafter called the “tenderer”) has submitted their offer dated for the supply of HPCS and Data Center for IMD Operational Purposes (hereinafter called the “tender”) against the purchaser’s tender enquiry No. CPU/53/0725/1554 Dated the 28th Jul 2025 KNOW ALL MEN by these presents that WEof having our registered office at..... are bound unto(hereinafter called the “Purchaser”) in the sum of for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this..... day of20.....

THE CONDITIONS OF THIS OBLIGATION ARE:

- (1) If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- (2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-
 - a) If the tenderer fails to furnish the Performance Security for the due performance of the contract.
 - b) Fails or refuses to accept/execute the contract.

WE undertake to pay the “Director General of Meteorology, India Meteorological Department”, up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force upto and including 180 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

Bank Guarantee issued with the tender enquiry reference No. CPU/53/0725/1554. Dated the 28th Jul 2025.

(Signature of the authorized officer of the Bank)

Name and designation of the officer
Seal, name & address of the Bank and address of the Branch

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
M/s Aurionpro Solutions Pvt Ltd				
1		Section I, Sub Section-3-point-1-(c) (page-4)	Please allow system integrater to bid	As per RFP. Also, Please refer to Minutes of Prebid Meeting Sr. No. (F) of General Queries "
2		Layouts	Please provide layouts for the proposed solution.	Please refer to Minutes of Prebid Meeting Sr. No. (A) of General Queries
3		Makes	Please provide recommended /approved makes.	The vendor has to submit the makes offered by them in response to RFP
4		Section VII-point 1.4(page 132)	The Tender document specifies a project timeline of 6 months(180 days). To mitigate project risks and ensure a successful implementation of the computational infrastructure , we propose extending the project timeline to 8 months(240 days).	Agreed. Please refer to Minutes of Prebid Meeting Sr. No. (D) of General Queries
5		Annexure-I Section-5-Sub Section-5.4.16-point-3(page-158)	Please provide the details on number of racks, rack density as the solution will be based on same.	The vendor has to submit the details on solution proposed by them in response to RFP
6		General	Please provide the site location/ area drawings	Please refer to Minutes of Prebid Meeting Sr. No. (A) of General Queries
7		General	NOC,SOC & Seating arrangement required for Scientist, operators.	Please refer to Minutes of Prebid Meeting Sr. No. (C.i) of General Queries. Also, refer to 4.4(c) at RFP Page 128.
8		General	Connectivity to grid, overall plans & drawings.	Vendor has to provide all connectivity diagrams from the location of the termination of raw power as per paras 2.1.3 (a) & 2.1.3 (e) of Section VI, at page no 119. Also, refer to Minutes of Prebid Meeting Sr. No. (A) of General Queries
M/s Dell India Pvt Ltd				
1	NDA for Bechmarking		Requesting IMD that Dell will collect the benchmarking data once the NDA is signed and consume the same on CPU OEMs cluster infrastructure to run and complete the benchmarks as per RFP.	All bechmark runs have to be made by the bidder as per RFP. The formal arrangment / back-to-back NDA with the CPU OEM need to be submitted to IMD. The updated NDA has been shared with the respective HPCS OEMs on 21.08.2025.
2	Section VI/Page No 147/6.1 Benchmark Requirements	The performance of the benchmark system is always reported taking into account all the cores in every node.	We request to remove this clause so as to able to simulate different core count CPU SKU performance to be able to	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
			arrive at the best performing proposed CPU SKU.	
3	Section VI/Page No 147/6.1 Benchmark Requirements	The size of the benchmark system is expected to be around 1 PF Peak (CPU based and the AI/ML based systems individually).	We request to amend this clause to scale down the requirement of benchmarking system to 250TF (CPU based and the AI/ML based systems individually) and accordingly bring down the no of concurrent copies appropriately.	Please refer to Minutes of Prebid Meeting Sr. No. (10.i) and (10.ii) of Technical Queries.
4	Section VI/Page No 149/6.3 Configuration details based on benchmark	The Base System Configuration with 2 times PFS usable disk storage capacity and with 4 times usable disk/tape archival storage capacity and 20% Accelerator of CPU capacity (e.g. if Base System Configuration is 1 PF compute then PFS usable Capacity should be 2 PB and Archival Storage usable capacity should be 4 PB and Accelerators should be 200 TF)	Since GPU vendors use multiple precisions (FP64/FP32/TF32) discretely to define the TFlops delivered by their GPUs , we request to clarify in more detail on the precision to be used for GPU Node (Accelerators should be 200 TF FP64 Vector) sizing so as to homogenize the GPU requirement .	Please refer to Minutes of Prebid Meeting Sr. No. (1) of Technical Queries.
5	Section VI/Page No 149/6.4 Mandatory standard benchmark evaluation tests	The below HPCC Benchmarks results should be submitted for at least configuration 6.2.(i) (i.e. BSC) HPC Challenge Benchmark	We request to amend this clause to scale down the requirement of HPCC benchmarks to BSC/2 node or be limited to the nodes used within a single leaf switch as the blocking factor asked in RFP is 2:1 while the benchmarking infrastructure will have 1:1 non-blocking. Running these on	No, As per RFP
6	Section VI/Page No 133/5.3.7 Technical Specification for Utility Servers	Minimum 256 MB L3 cache per processor	We request to amend the L3 cache requirement so as to qualify multiple CPU SKUs to select the best performing . Cache : Minimum 336 MB L3 cache per processor	As per RFP.
7	Section VI/Page No 136/5.4.1 Architecture	InfiniBand based controllers/servers (NDR 400 or equivalent)	400Gbps per port speed is available only on NDR . InfiniBand based controllers/servers (NDR 400 or equivalent)	As per RFP. The para 5.4.1 Architecture, Section VI at Page No 136 of RFP asked for "NDR 400 or equivalent" only.
8	Section VI/Page No 136/5.4.5 Protocol Support	Parallel File system protocol for high speed scratch space with	Parallel File system protocol for high speed scratch space with RDMA over InfiniBand (NDR or equivalent)	Agreed. Please refer to Minutes of Prebid Meeting Sr. No. (2) of Technical Queries.

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		RDMA over InfiniBand (HDR or equivalent)		
9	Section VI/Page No 138/5.4.8 Raid Levels	RAID Level 6 or equivalent or better technology with documentary proof for Parallel File System data and home directories	We request to amend this clause as shown below to consider different implementations of PFS providing requisite level of redundancy . RAID Level 1 or equivalent or better technology with documentary proof for Parallel File System data and home directories	As per RFP
10	Section VI/Page No 138/5.4.13 Storage Availability	Designed for 99.99999% (five nines) of availability	We request to amend this clause to normalize the storage uptime so as to be in conformity with the overall Cluster uptime ask of 99.5%.	Agreed. Please refer to Minutes of Prebid Meeting Sr. No. (4) of Technical Queries.
11	Section VI/Page No 138/5.4.16 General Instructions	Point 4: The direct liquid cooling (DLC) based solution be supplied for cool down the compute nodes.	We request to amend this clause as shown below to accommodate different cooling technologies (AIR/DCLC) so as to be in conformity with the overall PUE <= 1.3". Point 4: The cooling solution be supplied for cool down the compute nodes.	Please refer to Minutes of Prebid Meeting Sr. No. (5) of Technical Queries.
12	Section VI/Page No 134/5.4.7 Technical Specification for Utility Servers	64 bit LINUX Operating system with SMP support and XPG3, X-Open Compliant.	We request to amend this clause as suggested as SMP support is not applicable for Distributed Multi Processing Architecture as asked in RFP.	As per RFP
13	Section VI/Page No 135/5.3.9 Requirement for the HPC interconnect	The blocking factor should not be more than 2:1 (for every 2 down links there should be minimum 1 up link)	"We request to amend this clause to 1:1 Non blocking factor so as to homogenize the performance between benchmarking system and the actual proposed solution", as follows. The blocking factor should not be less than 1:1 (for every 2 down links there should be minimum 2 up link)	As per RFP. The para under clause 5.3.9 Requirement for the HPC interconnect, Section VI at Page No 135, asked as "There should be non-blocking interconnect architecture (for every 1 down links there should be minimum 1 up link)" only.
14	Section VI/Page No 151/6.5 Specific benchmark rules for HPCC programs	However, at the time of benchmark verification at manufacturer's site, these timings (or better timings) must be reproduced on the quoted configuration.	We request to amend this clause to "benchmarking site for IMD to allow Platform OEMs to use CPU OEM's cluster facilities to carry out benchmarking as per RFP", as follows. However, at the time of benchmark verification at benchmarking site, these	Agreed. Please refer to Minutes of Prebid Meeting Sr. No. (6.i) of Technical Queries.

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
			timings (or better timings) must be reproduced on the quoted configuration.	
15	Section VI/Page No 152/7.3 Selection Criteria	Benchmark verification at vendor's sites shall be carried out for only those bids who qualify the procedure in 7.2 above. The vendors who successfully demonstrate the quoted timings and results at Benchmark verification at vendor's sites will be further shortlisted.	We request to amend this clause to "benchmarking site for IMD to allow Platform OEMs to use CPU OEM's cluster facilities to carry out benchmarking as per RFP", as follows. Benchmark verification at benchmarking sites shall be carried out for only those bids who qualify the procedure in 7.2 above. The vendors who successfully demonstrate the quoted timings and results at Benchmark verification at benchmarking sites will be further shortlisted.	Agreed. Please refer to Minutes of Prebid Meeting Sr. No. (6.ii) of Technical Queries.
16	Section VIII: Qualification Criteria/Page No 1	Point f: The bidders should have minimum 5 years of experience and OEM/bidders should have successfully executed at least one HPCS and Data Center project with a total cost of Rs. 365 Crore and 22 Lakhs or more.	We request to amend this clause to include reference installations of similar kind involving similar technologies with a CPU to GPU compute ratio of min 100%-20% respectively to maintain relevancy between the reference installation and proposed solution, as follows. Point f: The bidders should have minimum 5 years of experience and OEM/bidders should have successfully executed at least one HPCS and Data Center project with a total cost of Rs. 365 Crore and 22 Lakhs or more of similar nature involving similar technologies with a CPU to GPU compute ratio of min 100%-20% (FP64 Vector) respectively or the GPU at a min 16.67% of the combined CPU+GPU compute offered	As per RFP
17	New		There are no guidelines explicitly mentioned in the RFP over the Data Center design and implementation; In our opinion to ensure high availability and concurrent maintainability the data center should comply in detail to the TIA-942 Rated-3 guidelines of data center design and implementation and	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
			get it certified from authorized agencies for Rated-3 site certification	
18	New		The bidder/data center partner should have prior experience of implementation of a minimum of 1.5MW data center infrastructure in the past 10 years	As per RFP
19	New		If in case of supply of servers with liquid cooling technology, the CDU is a mechanical cooling device which needs to be in N+1 quantity of the complete capacity of data center in order to maintain high availability and concurrent maintainability; IMD to clarify on the confirmation of the same	As per RFP
20	Point 5.4.13	Designed for 99.99999% (five nines after decimal point)of availability, In case of failure of storage controller the impact on performance and capacity in the total storage should not more than 10%. The proposed solution should offer this resiliency at the controller level.	We request to change it to 99.5% per quarter same as for other component in the RFP. 99.9999% translates to just 3 Second in a year, and proposed modification of RFP clause as follows.	Agreed. Please refer to Minutes of Prebid Meeting Sr. No. (4) of Technical Queries.
21	Point 5.4.8	Metadata storage for PFS must be hosted on RAID1+0 layout.	Request to kindly change to RAID 1+0 or better which is RAID 1.	Agreed. Please refer to Minutes of Prebid Meeting Sr. No. (3) of Technical Queries.
22	New		Due to the expansiveness of technicality and complexity involved in the bid we request for additional pre-bid meeting in the proposal submission cycle to engage with IMD and understand on the requirements better.	As per RFP
23	Section 1.4, Page No.113	Project Completion Period: Should be completed within 6 months from the date of payment of first instalment of Advance Payment	Based on our experience in the past executing similar-sized projects and the complexities involved, we would request to increase the project timelines to 12 months, as proposed amendment stated below. Project Completion Period: Should be completed within 12 months from the date of payment of first instalment of Advance Payment	Please refer to Minutes of Prebid Meeting Sr. No. (D) of General Queries

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
24	Section 4.1.9 and 4.1.19, Page No.124	<p>4.1.9 Warranty for Hardware, Software (including application software) and system for a period of three years from the date of acceptance of the equipment is to be provided.</p> <p>4.1.10 The post warranty maintenance support for at least 3 years in respect of spares, hardware, software and system is to be provided by the vendor. The price performance of the system will also be determined based on the annual maintenance cost for hardware and software and manpower as required during warranty support as quoted by the vendor to meet the stated 99.5% uptime performance.</p>	The Industry norms for any GPU servers are 5 years from the date of supply; anything beyond that is not available at this point. So request IMD to limit the support period to 3+2 years	As per RFP
25	Appendix to NIT: Tender Information Summary, Page No.7 3. Eligibility Criteria for Participatioin in this Tender, Page No. 2	Nature of Bidders eligible – OEMs/ Dealers authorised by OEMs - OEM (c) be a manufacturer of the product offered or be dealer authorised by the Principal/ OEM.	In the RFP, one Section says only OEMs can participate, and in the other section, it says OEMs or dealers authorised by the Principal can participate. Request IMD to clarify on the same	Appendix to NIT: Tender Information Summary Table, at Page No.7 "Nature of Bidders eligible – OEMs/ Dealers authorised by OEMs - OEM" as per RFP. Also, Please refer to Minutes of Prebid Meeting Sr. No. (F) of General Queries
26	9. Terms of Delivery and delays. Page No.75		<p>1. Are multiple invoices(incremental to delivery lots) acceptable to the IMD ?? These will be tax invoices against which deliveries will be made and POD taken</p> <p>2. Will IMD be availing GST credit, and if yes, Is IMD ok to use the individual tax invoices?</p> <p>3. Are invoices from multiple delivery HUBs of Dell acceptable to the IMD?</p> <p>4. To process the milestone payments(25-35-40), is the IMD expecting the invoice to match the milestone value exactly, or can it pay against multiple invoices submitted with</p>	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
			<p>material delivery(Can IMD remit against a consolidated, summarised non tax invoice supported by multiple tax invoices in the sample of this consolidated invoice is attached for your reference) 5.?What level of detailing is the IMD expecting on these invoices? 6. 3rd Party Products to be delivered from Dell, or can they be directly delivered by the vendors?</p>	
27	Country of Origin and Minimum Local Content - All classes of MII Policy and global tender Page No. 102		<p>Since it's a global tender as per the RFP, the MII Policy does not apply to this tender. IMD to confirm</p>	As per RFP
28	Terms and Mode of payments Page No. 104		<p>We are considering quoting both in local currency (INR) and non- local currency (USD). In this scenario: • The local currency portion of the order would be placed on Dell International Services India Private Limited. • The non-local currency portion would be placed on Dell Global B.V. This would require two separate Purchase Orders, each referencing its respective quote and supplier entity. Kindly confirm if this dual-currency quoting and PO structure is agreeable from an IMD standpoint.</p>	As per RFP
29	6.3.2.5 Applicability to Imported Goods/ Services / Section II / Page No 29	<p>Following the implementation of GST, the import of commodities shall not be subject to such erstwhile applicable duties like safeguard duty, education cess, basic customs duty, anti-dumping duty, etc. All these supplementary custom duties are subsumed under GST. The supply of commodities or services or both, if imported into India, shall be considered as</p>	<p>Please confirm whether IMD is exempted from customs duty</p>	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		supply under inter-state commerce/ trade and shall attract integrated tax (IGST). The IGST rate and GST cess shall be applicable on the 'Custom Assessable Value' plus the 'Basic Customs duty applicable thereon'.		
30	10.3.3 General Payment condition for payment Page No. 84		a. What is the process to obtain the Purchaser's certificate confirm delivery and completion of services? Who issues it, and how long does it typically take? b. What documents must accompany the claim submission for payment? Are there any specific formats/templates required? Dell doesn't have an option for manual invoicing to match customer PO line items. c. What constitutes "satisfactory justification" for the advance payment request? Can we get clarification on the same? d. Can we request the full 25% advance in a single instalment instead of two? If not, what's the gap/timeline between the two instalments? e. Is there a standard turnaround time for the release of advance upon BG submission? f. Are there any specific timelines or SLAs for reviewing the shipping documents and processing the 60% payment post-shipment? g. What if shipping documents are delayed or not accepted? With whom do we coordinate to resolve issues? h. What is the standard time for issuance of the Acceptance Certificate by the Purchaser after delivery and installation/commissioning? i. Is submission of Performance Security required before delivery or before the final 40% payment?	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
31	GCC 10.3.3 Payment Conditions /Section V / Page No.107	2. Payment for Goods and Services supplied from India: Payment of local currency portion shall be made in Indian Rupees within thirty (30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed as per Contract terms & conditions.	Is the 30-day payment cycle calculated from: a. The date of claim submission? b. The date of receipt of certificate? c. Or from the date of delivery? d. In case of partial delivery or delayed installation, can payment be claimed proportionally? e. Whom should we contact in case of payment delays beyond 30 days? Is there an escalation matrix?	As per RFP
32	Section 4.1.12 Page 131	In case the vendor intends to discontinue the supply of sub-assemblies, kits or parts, components and spare parts for the equipment after the expiry of the said period of three (03) years after the warranty period, the vendor shall give Purchaser at least twelve (12) months' notice prior to such discontinuance, during which period Purchaser shall have the right to place order for life time subassemblies, upgrades, kits or parts, components, and spare parts requirements on terms & conditions to be mutually agreed upon by the parties at that time, subject to such agreement being arrived at, the vendor shall have to fulfil the above orders for subassemblies, upgrades, kits or parts, components and spare parts before their manufacture is actually discontinued and replacement if any at no cost. All upgrades during warranty and post warrant comprehensive maintenance should be free of	As per industry norms of GPU OEM, the maximum support under warranty including AMC for GPU servers is maximum 5 years from date of supply.	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		<p>cost. If there is a model/hardware change to make the entire system achieve the required uptime then such changes should be done free of cost.</p>		
<p>33</p>	<p>Section 4.4 Page 136</p>	<p>Onsite support for Hardware, System Software, storage maintenance, system administration and applications/models to be provided during prime time (9.30 am to 6.00pm at onsite of IMD Delhi during week days, Appendix-3) and beyond office hours on call with a response/ resolution time of 2 hours.</p>	<p>During warranty support do we need to consider any critical part/components retention by customer when replaced (Hard drive, memory/RAM. etc.,)?</p>	<p>As per RFP</p>
<p>34</p>	<p>Section 5.7.1 Page 60 (IPR Rights)</p>	<p>All deliverables, outputs, plans, drawings, specifications, designs, reports, and other documents and software submitted by the contractor under this Contract shall become and remain the property of the Procuring Entity and subject to laws of copyright and must not be shared with third parties or reproduced, whether in whole or part, without the Procuring Entity prior written consent. The contractor shall, not later than upon termination or expiration of this Contract, deliver all such documents and software to the Procuring Entity, together with a detailed inventory thereof. The contractor may retain a copy of such documents and software but shall not use it for any commercial purpose.</p>	<p>1.Dell can provide ownership for use of deliverables, outputs, plans, drawings, specifications, designs, reports, and other documents and submitted by the contractor under this Contract provided the underlying Intellectual Property remains with Dell. Please clarify as we are in continuous business of selling similar products and assigning IP ownership to documents like Product documentation other IP shared hinders our ability to do business. Delieverables/drawings etc based on IMD data can remain property of IMD. 2. SW's are not owned they are licensed only for use; Dell retains IP ownership in SW. Please clarify. 3. Last sentence of the clause : "The contractor may retain a copy of such documents and software but shall not use it for any commercial purpose". – This hinders Dell ability to do business. Any SW licensed or any documents prepared on IMD benchmark data would not be used for other customer, but Dell needs rights to use</p>	<p>As per RFP</p>

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
			<p>generic document such as Product documentations for our customer and with SW, the SW licensed in name of IMD will not be used however the similar SW can be used can be used by Dell for other customers without any consent requirement. Please clarify, if the understanding is correct.</p>	
<p>35</p>	<p>Section 5.6 (1) Page 60 (Indemnities for IPR)</p>	<p>the contractor shall indemnify and hold harmless, free of costs, the Procuring Entity and its employees and officers from and against all suits, action or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which may arise in respect of the Goods provided by the contractor under this Contract, as a result of any infringement or alleged infringement of any patent, utility model, registered design, copyright, or other Intellectual Proprietary Rights (IPR) or trademarks, registered or otherwise existing on the date of the contract arising out of or in connection with:....</p>	<p>Comment : As IMD is not in business of Technology supply, these would always be a third-party claiming that the products are infringing the IP, hence added the clarification that it would be third- party claim and since these IPR claims are grave and not common suits or disputes damages and costs would always be decided by the competent court, same terms requested to be added for clarity. Proposed Amendement in red: "the contractor shall indemnify and hold harmless, free of costs, the Procuring Entity and its employees and officers from and against all third-party suits, action or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses to the extent awarded by the court of competent jurisdiction or settlement agreed by the contractor, which may arise in respect of the Goods provided by the contractor under this Contract, as a result of any infringement or alleged infringement of any patent, utility model, registered design, copyright, or other Intellectual Proprietary Rights (IPR) or trademarks, registered or otherwise existing on the date of the contract arising out of or in connection with:...."</p>	<p>As per RFP</p>
<p>36</p>	<p>Section 5.6 (2) Page 60</p>	<p>Such indemnity shall not cover any use of the Goods or any</p>	<p>"Rationale for these changes are: Dell retains intellectual property rights over</p>	<p>As per RFP</p>

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
	(Indemnities for IPR)	part thereof or any products produced thereby: (a)other than for the purpose indicated by or to be reasonably inferred from the contract (b) in association or combination with any other equipment, plant, or materials not supplied by the contractor.	its products and stands behind their quality and performance. However, third-party products, while supplied by Dell in its capacity as a reseller, remain outside Dell's direct control. Accordingly, an amendment is requested to reflect this distinction" Proposed Amendment requested in Red : Such indemnity shall not cover any use of the Goods or any part thereof or any products produced thereby: (a) other than for the purpose indicated by or to be reasonably inferred from the contract (b) in association or combination with any other third-party equipment, plant, or third-party materials not supplied by the contractor. (c) Any modification of changes not done by the Contractor or approved by the Contractor	
37	Section 5.12 Page 64 - Labour Codes and Rel	This clause shall be applicable only if it is specifically indicated to be applicable in SCC.	Clause 5.12 does not appear to be invoked in the SCC; however, Clause 5.11 indicates that labor compliance is marked as "Yes." Could this be a numbering discrepancy within the SCC? In our understanding, this is solution supply contract, though is Dell is compliant to all applicable labor code this shouldnt be applicable as this is not a full-labour/engineer supply contract	As per RFP. Also, Please refer to Minutes of Prebid Meeting Sr. No. (G) of General Queries
38	Section 12.1 - Termination for Default/ Convenience of Procuring Entity and Frustration	The Procuring Entity reserves the right to terminate the contract, in whole or in part for its (the Procuring Entity's) convenience or frustration of contract as per sub-clause below, by serving written 'Notice for Determination of Contract' on the contractor at anytime during the currency of the contract. The notice shall specify that the termination is for the convenience of the Procuring	Amendment requested as a last sentence : "No Purchase Order once placed by IMD and accepted by Dell is cancellable. " Rationale : Termination for convenience after Dell's acceptance of the Purchase Order would impose a significant burden on Dell. The products are manufactured specifically against confirmed orders, and if an IMD cancels the order prior to delivery, Dell would be left holding inventory that cannot be repurposed easily. This would result in	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		Entity or the frustration of the contract. The notice shall also indicate inter- alia, the extent to which the contractor's	substantial operational and financial strain.	
39	New		The building is old – Who will conduct the structural audit of the building? Kindly clarify	Audit report will be shared with the L1 bidder before start the work.
40	New		Each room contains a significant amount of client material – Who will be responsible for removing these items? Will material and debris removal fall under the IMD scope or ours? Kindly clarify	IMD will provide empty rooms to the L1 bidder on the day of signing the contract/issuing the purchase order
41	New		Within the premises/workplace area, there are various trees – Who will provide permission for their removal? Kindly clarify	Trees should not be removed by anyone. All outdoor equipments shall be placed at Phase-IV as shown in the proposed Layout of site location. Please refer to Minutes of Prebid Meeting Sr. No. (A) of General Queries
42	New		Clarification required on the point from where the HT cable tapping for supply should be taken.	As per RFP, Para 2.1.3 (a) and 2.1.3 (c) of Section VI, at Page No 119, NDMC HT Cable point connection will be established within the IMD site as shown in the proposed Layout of site location. Please refer to Minutes of Prebid Meeting Sr. No. (A) of General Queries.
43	New		There is no clarity on the location for the DG storage tank – Who will grant permission for finalizing this location? Kindly clarify	All outdoor equipments shall be placed at Phase-IV as shown in the proposed Layout of site location. Please refer to Minutes of Prebid Meeting Sr. No. (A) of General Queries
44	New		Statutory approval for the diesel storage tank – Will this fall under the IMD scope or ours? Kindly clarify	As per RFP clause 2.1.3.j of Section VI at Page No 120, bidder should obtain all the approvals.
45	Section VII/ Page No. 149/ 6.3 Configuration details based on benchmark		For the BSC, the RFP/Tender specifies 4 possible configurations. Considering the project requirements, we recommend approving 6 × BSC to address the data centre design and infrastructure needs.	As per RFP
46	2.1 Scope of Work : Civil Work - Foundations. Page No:119	Soil investigation report to plan for foundation	Request to amend this clause as follows, Kindly share Geo Technical / Soil investigation report to plan for foundation	There is no such clause exists in the RFP.

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
47	2.1 Scope of Work: Battery Backup & Type of Battery. Page No:119		What Shall be Battery Backup / UPS? EOL or BOL? VRLA or LI Ion Battery?	As per RFP.
48	2.1 Scope of Work: Equipment Specifications. Page No:119		We need Technical Specifications for each of the Equipments --- UPS, Battery, Chiller, Transformer, DG Sets Ext	As per RFP.
49	2.1 Scope of Work: 11kV Power by NDMC. Page No:119		1) How many 11kV Utility Feeds shall be Provided by NDMC? 2) Fault MVA?	1) Dual 11 kV shall be provided by NDMC 2) The details about Fault MVA will be shared with L1 bidder
50	2.1 Scope of Work: ELV Works. Page No:119		Shall We considere all other Componants of ELV System- Fire Alarm System, Clean Agent Novec Gas Suupression Agent, Vearly Early Smoke Detection system, Rodent Repellant, Water Leak Detection System & BMS Monitoring	Please refer to Minutes of Prebid Meeting Sr. No. (C.ii) of General Queries
51	Section 4.1.19 Page 132	Training of personnel on software and hardware: It is necessary for officers of the purchaser to be trained to support the System, depending on whether or not they already have experience of the actual system chosen as a result of this tender.	Number of people, duration? Number of instances. Virtual or F2F	The vendor should follow number of instances as per clauses 2.1.5 and 2.1.6 of Section VI at Page No 121. Also, Please refer to Minutes of Prebid Meeting Sr. No. (C.iii) of General Queries
52		we would like to provide the EMD in the form of a Bank Guarantee. Please let us know if there is a standard format for the same. Also, please clarify on the "Form 7: Documents relating to Bid Security. FORMAT OF BID SECURITY DECLARATION FROM BIDDERS IN LIEU OF EMD", where it states we can provide this declaration instead of an EMD. Confirmation from our end is required to determine whether we need to submit the		As per RFP. Also, Please refer to Minutes of Prebid Meeting Sr. No. (B) of General Queries.

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		EMD and Form 7, or either of them.		
M/s Eviden India Pvt Ltd				
1	2.0, Pg. 13	Pre-dispatch inspection at Factory	Request you to remove inspection at Factory. Key components such as compute, disk storage, and DC parts are sourced from various factories and partners, making factory preparation for inspection or acceptance challenging and time-consuming.	As per RFP
2	3.0, Pg. 14	Bid Submission Closing Date & Time 11-09-2025, 11:00 hrs	Considering the complexity of benchmarks and solution. We request you to extend submission timeline by 30 days.	Please refer to Minutes of Prebid Meeting Sr. No. (E) of General Queries
3	1.4, Pg. 120	1.4. Project Completion Period: Should be completed within 6 months from the date of payment of first instalment of Advance Payment	Due to the preparation needed for DC and component lead times, we request an overall project completion period of 11 months from the date of PO acceptance.	Please refer to Minutes of Prebid Meeting Sr. No. (D) of General Queries
4	1.5, Pg. 120	1.5. Delivery Schedule: (1) Data Centre preparation related goods for site at IMD Delhi should be delivered within 2 months from the date of payment of first instalment of Advance Payment. (2) Data Centre / site preparation should be completed within 4 months from the date of payment of first instalment of Advance Payment. (3) Supply, installation and commissioning should be completed within 5 months from the date of payment of first instalment of Advance Payment. (4) Supply, installation, commissioning and successful acceptance should be completed within 6 months from the date of payment of first instalment of Advance Payment.	The preparation of the data centre and the lead times for both DC and IT equipment differ significantly, making it challenging to strictly adhere to the specified milestones. Therefore, we kindly request a total of 11 months from the date of purchase order acceptance to complete the project.	Please refer to Minutes of Prebid Meeting Sr. No. (D) of General Queries

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
5	2.1.10, Pg, 128	All hardware & software related to HPCS and Data Center must be supplied with latest model available in the market at the time of supply and installation; In case of change in Technologies during the period of procurement the vendor should supply equipment of latest configuration at no additional costs.	Request you to change as below. All hardware & software related to HPCS and Data Center must be supplied with latest model available in the market at the time of submission of the bid.	As per RFP
6	4.1.1, Pg. 123	The system should be based on modern and latest (The CPU, GPU/Accelerator proposed by the OEM should be the latest at the time of installation as per the delivery schedule given in this document.	Request you to change as below. The system should be based on modern and latest (The CPU, GPU/Accelerator proposed by the OEM should be the latest at the time of submission of the bid.	As per RFP
7	4.1.3, Pg. 123	The price details of each line item of hardware, software and data centre components should be provided separately.	Request you to remove this point. The provided BoQ Excel sheet does not include fields for entering a detailed breakdown of the price for each hardware, software, and data centre component line item.	As per RFP. Bidder should submit PROFORMA 03 of Appendix-8, Section VI given at Page 158 & 159.
8	4.1.7, Pg. 123	The bidder should provide road map for technology development for next five years for proposed HPC Solution and along with standalone AI/ML systems.	The technology landscape is evolving at a rapid pace; therefore, roadmaps are typically developed for a period of two to three years at most. Request you to change as below. The bidder should provide road map for technology development for next two years for proposed HPC Solution and along with standalone AI/ML systems.	As per RFP
9	4.1.18, Pg. 125	Purchaser will have the right to make multiple copies of software and also to use the same at other locations within the organization.	Request you to limit the usage of software the equipment supplied as part of scope of this RFP only.	Agreed. Please refer to Minutes of Prebid Meeting Sr. No. (H) of General Queries
10	4.1.20, Pg. 125	To supply on a continual basis and without limitation, field engineering and software releases related to the	Please clarify that this requirement is for support during 3 years of CAMC?	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		equipment for at least three years after warranty period.		
11	4.2.4.2.1, Pg. 126	Factory Acceptance Test (FAT). Prior to the shipment of the System, IMD, MoES may at its discretion conduct a Factory Acceptance Test for Base System Configuration (BSC, as elaborated in this document) at the successful bidder's factory on suitable mutually agreed date(s).	Request you to remove inspection at Factory. Key components such as compute, disk storage, and DC parts are sourced from various factories and partners, making factory preparation for inspection or acceptance challenging and time-consuming.	As per RFP
12	4.5, Pg. 129	The power consumption will be considered as twice the electric power required for computation to run the benchmarks (to account for the cooling) Power rate to 8.5 INR/unit will be considered.	The power consumption of non-IT equipment varies depending on the cooling technology implemented and the efficiency of components such as UPS systems and cable types. The design objective for data centres is to achieve a Power Usage Effectiveness (PUE) of 1.3 or lower, which equates to approximately 30% or less than the IT load requirement. Instead of using double the electric power needed for computation when conducting benchmarks, we kindly request that you to refer the power estimates provided by us for both IT and non-IT equipment involved in computation.	As per RFP
13	4.6, Pg. 129	4.6 Spare Parts and Testing Equipment Availability and supply of sub-assemblies, kits of parts, components and spare parts for at least five (05) years from the expiry of the warranty period to be guaranteed by the vendor.	Given the rapid pace of technological advancement, spare parts are generally supplied for a maximum of seven years from the product's release date. Request you to consider below for spareparts. 4.6 Spare Parts and Testing Equipment Availability and supply of sub-assemblies, kits of parts, components and spare parts for at least seven (07) years from the release of the product to be guaranteed by the vendor.	As per RFP
14	5.3.7, Pg. 133	System Disks: 4 numbers of NVMe SSD DWPD x 3, 3840 GB each or better	Request you to change as below. System Disks: 4 numbers of NVMe SSD	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
			1 DWPD or better, 3840 GB each or better	
15	5.4.5, Pg. 137	We are considering quoting both in local currency (INR) and non-local currency (USD). In this scenario: • The local currency portion of the order would be placed on Dell International Services India Private Limited. • The non-local currency portion would be placed on Dell Global B.V. This would require two separate Purchase Orders, each referencing its respective quote and supplier entity. Kindly confirm if this dual-currency quoting and PO structure is agreeable from an IMD standpoint.	Request to please remove support for pNFS. Currently we do not offer support for pNFS. Native POSIX interface offers better performance and is a proven interface for HPC implementations, as compared to pNFS.	Agreed. Please refer to Minutes of Prebid Meeting Sr. No. (2) of Technical Queries.
16	5.4.6, Pg. 137	Optionally, it should support 10K RPM SAS and 15K RPM SAS.	Request to please remove support for 10K and 15K SAS. These are not used in disk systems today anymore and our PFS Systems do not support these drives.	As per RFP
17	5.4.8, Pg. 137	Metadata storage for PFS must be hosted on RAID1+0 layout.	Request to kindly change to RAID 1+0 or better which is RAID 1.	Agreed. Please refer to Minutes of Prebid Meeting Sr. No. (3) of Technical Queries.
18	5.4.13, Pg. 138	Designed for 99.99999% (five nines after decimal point)of availability, In case of failure of storage controller the impact on performance and capacity in the total storage should not more than 10%. The proposed solution should offer this resiliency at the controller level.	We request to change it to 99.5% per quarter same as for other component in the RFP. 99.9999% translates to just 3 Second in a year.	Agreed. Please refer to Minutes of Prebid Meeting Sr. No. (4) of Technical Queries.
19	5.4.16.6, Pg. 139	The vendor must take complete responsibility for onsite integration of entire solution and connecting it to the existing LAN of the IMD site. Any additional hardware and software required	We will provide free ports available in the HPC solution to allow IMD to connect to their network. Please specify the type and quantity of ports required.	Minimum 4 FC ports are required to make connection with 2 LAN and 2 NKN of IMD network.

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		for this purpose should be part of the offered solution.		
20	5.5.14, Pg. 141	The solution should supply with maximum possible capacity of individual tape cartridge available in the open market at that time of supply.	Request you to change as below. The solution should supply with maximum possible capacity of individual tape cartridge available in the open market at that time of bid submission.	As per RFP
21	5.5.3, Pg. 140	The total capacity of the archival solution shall be as per the benchmark suit ratio mentioned in Section 6.2 of Appendix-6.	It is mentioned that the archival capacity (which is on tape media) should be 4/5/6 times the BSC. Is this archival capacity to be proposed after considering redundancy of data on tape media?	As per RFP
22	5.5.11 Pg. 141	The tape library should have at least 200 TB of high performance cache to archive tape library with minimum of 30 GBPS read and 8 GBPS write throughput	A separate disk cache is not required for all Tape Archival solutions. If files can be archived to tape directly from Scratch/ HOME directories, a separate "disk cache" has no role to play. Hence please clarify that a separate disk cache for archival needs to be provided only if the solution requires it.	As per RFP
23	5.6.1.11, Pg. 149	AI Enterprise Essentials Software Perpetual/Subscription License for all GPU nodes	Request you to change as below. Development tools compatible with the supplied GPUs and supported by the corresponding GPU manufacturers to be provided.	As per RFP
24	5.6.2.1, Pg. 149	The queuing software should be certified by third party International Labs like EAL3 + or better explicitly for job scheduler (not for any other environment).	Request you to remove this point.	As per RFP
25	Proposed new Clause	Cyber Security	We recommend that IMD considers the following controls to ensure better security. 1. Remote Access and Network Security a. Multi-Factor Authentication (MFA) b. Firewalls Rule Base Review c. Network Access Control (NAC) d. Zero Trust Network Access (ZTNA) 2. Endpoint / Server Security a. Endpoint Detection & Response (EDR) b. Mobile Device Management c. Data Loss Prevention (DLP) d. Vulnerability Assessment 3. Security Monitoring a.	Please refer to Minutes of Prebid Meeting Sr. No. (7) of Technical Queries.

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
			Managed Security Services (NG SOC / MDR) 4. Risk & compliance Assessments, Training & Incident Planning a. Security Awareness Training b. Incident Response Plan c. ISO27001 certified facility 5. Virtual Private Network (VPN) Access a. Minimum 100 Concurrent Users with MFA b. Two Network Engineer L1, L2, & L3 support within 6 hours response time	
26	6.1, Pg. 154	The benchmark timings should be based on actual runs on a system. The size of the benchmark system is expected to be around 1 PF Peak (CPU based and the AI/ML based systems individually).	Request you to reduce the benchmarking cluster size to 500TF.	Please refer to Minutes of Prebid Meeting Sr. No. (10.i) and (10.ii) of Technical Queries.
27	6.2, Pg. 155	The scalability run results should be submitted for at least 4 data points (e.g. by running at BSC, BSC/2, BSC/4, BSC/8 configuration). The efficiency of such scalability results should be better than 0.3 (e.g. an application with BSC/8 configuration runs in 100 mins should not take more than 70 mins when the same application runs on BSC/4 configuration and so on so forth) for at least two stages of scalability from the highest order.	Request you to reduce the parallel efficiency to 0.2	As per RFP
28	Porforma 2, Pg. 164	While submiong the Benchmark results following information for each one of the programs should be included. • Conversion of code to run on the proposed machine. • Bug fix modifications • Optimisastion Modifications • Multitasking Modifications	Request you to remove source code "Optmisastion Modifications" from the benchmarking activity.	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
29	2.1.3.a Pg. 126	Diesel Generator Sets as dual source/secondary source of operation to be enabled with PNG/CNG Gas connectivity.	Kindly note, the lead time for a dual source Diesel Generator is 9 to 10 months. If it is required then overall delivery period should be changed to 12-13 months from the date of acceptance of PO.	Please refer to Minutes of Prebid Meeting Sr. No. (C.iv) & (D) of General Queries.
30		UPS System	For ease of maintenance and to reduce downtime, we recommend accepting hot-swappable power modules in the UPS design.	As per RFP
31		UPS System	For improved performance and reduced TCO, we recommend accepting UPS systems with efficiency greater than 97% across 25% to 75% load conditions.	As per RFP
32		UPS System	For high performance and reduced TCO, we recommend accepting UPS systems with an energy saver feature, providing up to 99% efficiency with power factor correction, harmonic filtering, battery charging, and IEC 62040-3 Class 1 output performance.	As per RFP
33		UPS System	Please clarify the redundancy requirement for the UPS system.	As per RFP, the para 2.1.3 (a) of Section VI at Page No 118 of RFP, redundant UPS and redundant Batteries are required.
34		UPS System	Please confirm the required battery type – Lithium-ion or VRLA.	As per RFP.
35		BMS	Please confirm whether the fire suppression system is required only for the DC Hall or also for the UPS and Battery Rooms.	Please refer to Minutes of Prebid Meeting Sr. No. (C.ii) of General Queries
36		BMS	Please confirm whether a VESDA (Very Early Smoke Detection Apparatus) System is required for the DC Hall, UPS Room, and Battery Rooms. Also, kindly provide the technical specifications.	Please refer to Minutes of Prebid Meeting Sr. No. (C.ii) of General Queries
37		BMS	Please confirm whether an Access Control System is required for the DC Hall, UPS Room, and Battery Rooms. Also, kindly provide the technical specifications.	The Secured access entry points & Access Control System (Access Card / Biometric Authentic) is required for all rooms within complete Data Center such as HPCS DC, Onsite Engineers room, NWP Duty Officers room, UPS room, Battery room,

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
				Electrical room. Please refer to Minutes of Prebid Meeting Sr. No. (C.ii) of General Queries
38		BMS	Please confirm whether a Water Leak Detection System is required for the DC Hall, UPS Room, and Battery Rooms. Also, kindly provide the technical specifications.	Please refer to Minutes of Prebid Meeting Sr. No. (C.ii) of General Queries
39		BMS	Please confirm whether a Rodent Repellant System is required for the DC Hall, UPS Room, and Battery Rooms. Also, kindly provide the technical specifications.	Please refer to Minutes of Prebid Meeting Sr. No. (C.ii) of General Queries
40		BMS	Please provide the IO summary for any existing system integration.	Refer to previous question no 19
41		BMS	Please confirm the distance between the BMS Room and the NWP Division of the Main Building.	The clause 2.1.3.g of Section VI, at Page No 120 of RFP mentioned that CCTV monitoring system should be able to monitor via LAN and should be connected to BMS and existing LAN connection of NWP division of Main Building. Thus distance is not required.
42		BMS	Please confirm the recommended makes/brands for the Fire Suppression System, Fire Alarm System, VESDA System, CCTV System, Access Control System, Water Leak Detection System, and Rodent Repellant System.	As per RFP. Bidder should propose the make & model of supply items. Also, Refer to Minutes of Prebid Meeting Sr. No. (C.ii) of General Queries
43		Civil	Please confirm the structural stability of the proposed DC Building area, as it is not included in the scope of the RFP.	Audit report will be shared with the L1 bidder before start the work.
44		Civil	Please confirm whether removal of trees and plantation in the area planned for equipment positioning in the outer building area is included in the scope.	Trees should not be removed by anyone. All outdoor equipments shall be placed at Phase-IV as shown in the proposed Layout of site location. Please refer to Minutes of Prebid Meeting Sr. No. (A) of General Queries.
45		Civil	Please confirm whether removal of the tin shed structure in the backside building yard is included in the scope.	Bidder should provide detailed layout and explain tin shed structure removal purpose. Accordingly IMD will remove those tin shed structures and provide empty area in Phase IV to keep all outdoor equipments.
46		Civil	Please confirm whether removal of existing material from the proposed DC Building area and providing a clear,	IMD will provide empty area in Phase IV to keep all outdoor equipments and empty rooms for Data Center.

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
			vacant space for execution work is included in the scope.	
47		Civil	Please confirm whether outside building repair and painting work is included in the scope.	As per RFP, the clause 2.1.3.e of Section VI, at Page No 119 of RFP, mentioned that "Modernization of interior and exterior of Data Center includes glass walls, painting, concrete flooring, soundproof walls, firefighting, fire alarm, chemical earthing, Building Monitoring System (BMS) with 24x7 CCTV monitoring and other related work (including removal of old iron-grill gates & polishing indoor & outdoor walls of Data Center),...". Thus bidder should do outside building repair and painting work.
48		Civil	Please confirm whether space will be provided for disposal of dismantled materials from the proposed DC area, such as debris, existing doors, windows, etc.	IMD will provide required space for limited time to utilize disposal of materials.
49		Civil	Please confirm whether construction power and water supply will be made available free of cost during project execution.	As per RFP
50		Civil	Kindly confirm the structural stability / floor loading capability of the building to take Liquid cooled racks loading (typically 2500 kgs/rack).	Audit report will be shared with the L1 bidder before start the work.
51		Civil	Kindly note that if any structural verification is required, the same shall be part of IMD scope	Audit report will be shared with the L1 bidder before start the work.
52		HVAC	Availability of the continuous Water Supply (Pressure 4 to 5 Bar) for the the Adiabatic Dry Cooler units either from the underground storage tank or overhead storage tank.	Bidder should submit their proposed Layout with design and location of all equipment.
53		HVAC	Need the removal of the 04 nos. of the trees for the Placement of the ADC units in that area backside of the Building.	Trees should not be removed by anyone. All outdoor equipments shall be placed at Phase-IV as shown in the proposed Layout of site location. Please refer to Minutes of Prebid Meeting Sr. No. (A) of General Queries.
54		HVAC	Need Space for the DX outdoor units cooling units either on the Terrace or Ground Floor of the Building which is	Bidder should give preference to use the ground floor for placing the Direct Expansion (DX) cooling system outdoor units.

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
			nearby matching to the refrigerant piping length.	
55		HVAC	Need the Soft water inlet water Supply nearby to the DX Indoor units.	As per RFP, clause no 5.4.16.4 General Instructionsof Section VI at Page No 139 of RFP, it is under bidder's scope.
56		HVAC	We are proposing energy efficient high temperature Liquid cooling system for which Adiabatic dry coolers are proposed in place of Energy intensive Chillers.	As per RFP
57		HVAC	For the Adiabatic Dry coolers, make up water is required. Pls confirm the availability of soft / uncontaminated make up water year round	Refer Question No 55. Also, as per clause 5.7.3 (d) of Section VI at Page No 146, "bidder should provide chilled water storage tank capacity of 30 min", which can be utilized.
58		HVAC	We are proposing to provide 2 sources of power to adiabatic dry cooler as well as circulating pumps - 1 source shall be from utility and another source shall be from Non IT UPS. Since dry coolers as well as dry cooler pumps are on UPS, there is no need to have Water storage tanks capacity of 30 minutes. Pls confirm.	As per RFP. The clause 5.7.3 (d) of Section VI at Page No 146, "bidder should provide chilled water storage tank capacity of 30 min", which shall be utilized for DX Indoor units and Adiabatic Dry Cooling Systems, and/or HPCS Cooling Systems.
59		HVAC	Unit shall be with Fixed scroll compressors in Tandem arrangement. Kindly accept and confirm.	As per RFP
60		HVAC	Unit shall be with multiple refrigerant circuits so request to consider and confirm	As per RFP
61		HVAC	Unit shall be with most advanced electronic expansion valve, request to accept and confirm	As per RFP
62		HVAC	Unit shall be with Aluminium finned heaters, kindly accept and confirm	As per RFP
63		HVAC	Unit shall be with Bottile type electrode humidifier, kindly accept and confirm	As per RFP
64		General	Uptime testing-- Kindly confirm if Diesel is required during Uptime testing, IMD will be providing the same.	As per RFP
65		General	Kindly let us know whether any Approved Make list is available ?	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
66		General	Pls share the AutoCAD drawing of the building	Please refer to Minutes of Prebid Meeting Sr. No. (A) of General Queries
67		General	Kindly accept that most of the critical systems like UPS, HVAC, Chiller, IBMS, Electrical, Rack and PDU shall be from the same OEM for smooth functioning of DC and also to remove the downtime.	As per RFP
68		General	Request to include following eligibility criteria for Data Center OEMS: Data center OEM must have built 3 such data centers for weather applications in the last seven years.	As per RFP. Also refer clause 2.f of Section VIII at Page No 162 of RFP.
69		General	Kindly clarify whether the PUE value of 1.3 is annualised or peak value. This will help in overall system design.	Quarterly
70	10.0 Documents relating to Bid Security (ITB-clause 9.4) and Performance Security (ITB-clause 13.2.4)	Applicable to 10% of Order value	Kindly change this to 5%.	As per RFP
71	6.2.3 Exchange Rate Variation of Section II at Page No 27	6.2.3 Exchange Rate Variation Subject to provisions of ITB-clause 6.2.1 above, where final prices are quoted in Indian Rupees (INR) involving substantial imports content (> 25%), and the deliveries exceed 12 months, Bidder may, if they so desire, stipulate Foreign Exchange Rate Variation (ERV) clause. In that case, the ERV shall be borne by the Procuring Entity within the original Delivery Period. ERV shall be applicable only for components used to manufacture supplied Goods imported after the contract date. 1) The offer of Bidder should indicate import content and the currency used for calculating	Request procuring entity to consider the below changes in the ERV clause so as to accommodate our concerns and ensure fair coverage for currency fluctuations on substantial import content: Delivery Period Condition – Considering the current Global market scenario, we request apply ERV for deliveries exceeding 3 months instead of 12 months. Applicability Period – ERV to be admissible for all imports ordered/shipped after contract signing and up to the actual delivery date, including all extensions, except in cases of proven bidder default. Delays by suppliers/OEMs or any delays beyond the bidder's control shall be duly considered for ERV entitlement. Base Exchange Rate Calculation – Compute variation from base rate up to the actual	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		<p>import content. The Base Exchange rate of each significant currency used for calculating the Foreign Exchange content of the contract shall be as prevailing on the last deadline for submission of Techno-commercial Bids, and variation beyond the base Exchange Rate shall be calculated up to the midpoint of the delivery period unless the bidder has already indicated the schedule within which the bidder shall import material. 2) If the delivery period is refixed/ extended, ERV shall not be admissible if this is due to the contractor's default. 3) Unless otherwise stipulated in the contract, documents for claiming ERV shall be: (a) A bill of ERV claim enclosing working sheet. (b) Banker's Certificate/ debit advice detailing F.E. paid and exchange rate as on the date of the relevant transactions. (c) Copies of import order/agreement placed by the contractor on its Suppliers. (d) Invoice of Contractor's Suppliers for the relevant import order</p>	<p>date of import payment. Extension Coverage – Retain ERV entitlement for extensions due to force majeure, change in scope, buyer delays in approvals/payments, or any cause not solely attributable to bidder's wilful default. I documents to be insisted upon unless available in the normal course of business.</p>	
72	ITB 6.1.6 at Page No 50		<p>As per tender conditions, prices for domestic goods are to be quoted in INR and for imported goods either in INR or any one of the permitted foreign currencies (USD/EUR/JPY), with all applicable taxes/statutory expenses quoted only in INR. We seek clarification on the following scenario: If the bidder: Quotes in INR for domestic goods to be supplied and invoiced by its local Indian</p>	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
			<p>entity, and Quotes in USD for imported goods to be supplied and invoiced by its global entity, then: Will the Procuring Entity issue two separate Purchase Orders – one in INR to the local entity and another in USD to the global entity? How will the project award and contract be structured – will there be two separate contracts with each entity, or a single consolidated contract with the bidder? We highlight a past instance where two POs (one in INR, one in USD) were initially issued, but later the USD PO was amended to INR, resulting in GST becoming applicable to prices originally quoted in USD (where GST was not applicable). This led to additional GST cost to the local entity. We request clarity on how such situations will be handled in this tender to avoid similar tax implications.</p>	
73	ITB 13.2.4 at Page No 51	<p>(A) The performance security for supply, installation, commissioning & acceptance of HPC Solution. The amount of the Performance Security shall be 10% of the contract value, valid up to 60 days after the date of completion of contractual obligations including warranty obligations (Three years, i.e excluding the COAMC costs for 4th,5th,6th year). (B) The performance security for Comprehensive Operational Annual Maintenance Contract (COAMC) of HPC Solution: 10% Performance Security of the total contract value has to be submitted by the supplier for the period of Comprehensive Operational Annual</p>	<p>We request to consider the following changes: Performance Security for Supply, Installation, Commissioning & Acceptance of HPC Solution – Reduce from 10% to 5% of the contract value, valid up to 30 days after completion of contractual obligations including warranty obligations (three years, excluding COAMC costs for 4th, 5th, and 6th year). Performance Security for Comprehensive Operational Annual Maintenance Contract (COAMC) – Reduce from 10% to 5% of the total contract value for the period of COAMC (4th, 5th, & 6th year after completion of warranty period of 36 months) plus 30 days in case of award of COAMC.</p>	No, As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		Maintenance Contract (COAMC) (i.e. 4th, 5th & 6th year aker completion of warranty period of 36 Months) plus 60 days in case of the award of COAMC.		
74	8.3 Transfer of Title of Goods of Section IV at Page No 72	8.3 Transfer of Title of Goods 1) Unless otherwise stated in the contract, notwithstanding any inspection and approval by the Inspecting Officer on the contractor's premises, or any payments made to the contractor, property in the Goods (and resultant rights and liabilities) shall not pass on to the Procuring Entity until the Goods have been received, inspected, and accepted by the consignee. The Goods and every constituent part thereof, whether in the possession or control of the contractor, his agents or servants or a carrier, or the joint possession of the contractor, his agents or servants and the Procuring Entity, his agents, or servants, shall remain in every respect at the risk of the contractor, until their actual delivery to a person stipulated in the contract as the interim consignee for despatch to the consignee. The Contractor shall be responsible for all loss, destruction, damage, or deterioration of or to the Goods from any cause whatsoever while the Goods aker approval by the Inspecting Officer are awaiting despatch or delivery or are in the course of transit from the contractor to the	We request the Procuring Entity to consider amending the clause to provide flexibility in transfer of ownership in line with staggered delivery schedules: 8.3 Transfer of Title of Goods Unless otherwise stated in the contract, notwithstanding any inspection and approval by the Inspecting Officer at the contractor's premises, or any payments made to the contractor, property in the Goods (and resultant rights and liabilities) shall pass to the Procuring Entity upon delivery and acceptance of each lot/consignment, whether delivered in one complete shipment or in multiple slots as per the agreed delivery schedule. The Goods and every constituent part thereof, until such delivery and acceptance of the respective lot/consignment, shall remain at the risk of the contractor. The Contractor shall be responsible for all loss, destruction, damage, or deterioration of the Goods prior to such delivery and acceptance, from any cause whatsoever, and shall be entitled to make claims against carriers in respect of such loss or damage. Where, under the terms of the contract, the Goods are required to be delivered to an interim consignee for onward despatch to the consignee, title and risk shall transfer to the Procuring Entity upon delivery to and acceptance by such interim consignee for the relevant lot/consignment.	No. As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		<p>consignee or, as the case may be, interim consignee. The Contractor shall alone be entitled and responsible for making claims against any carrier in respect of non-delivery, short delivery, mis-delivery, loss, destruction, damage, or deterioration of the Goods entrusted to such carrier by the contractor for transmission to the consignee or the interim consignee as the case may be. 2) Provided that where, under the terms of the contract, the Goods are required to be delivered to an interim consignee for despatch to the consignee, the Goods shall be at the Procuring Entity's risk aker their delivery to the interim consignee.</p>		
75	9.12 Liquidated damages		<p>Request to limit the penalty upto 5% ".... of subject to a maximum deduction of the 5% (or any other percentage if prescribed in the contract) of the delayed Goods' or incidental Works/ Services' contract price(s)," instead of 10%.</p>	No. As per RFP
76	4) Statutory Variation Clause:	<p>4) Statutory Variation Clause: Unless otherwise stated in the contract, statutory increase in applicable GST rate only during the original delivery period shall be to Procuring Entity's account. Any increase in the rates of GST beyond the original completion date during the extended delivery period shall be borne by the contractor. The benefit of any reduction in GST rate must be passed on to the Procuring</p>	<p>Any statutory increase in the applicable GST rate for the quoted HSN code, whether during the original delivery period or any extended delivery period not attributable to the bidder's default, shall be to the Procuring Entity's account, against submission of relevant documentary evidence.</p>	No. As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		Entity during the original and extended delivery period. However, GST rate amendments shall be considered for quoted HSN code only, against documentary evidence, provided such an increase of GST rates after the last date of bid submission.		
77		12.2 Termination for Default/ Convenience of Procuring Entity and Frustration 12.2.1 Notice for Determination of Contract	Either party should have right to terminate . For partially completed or in-process Goods and incidental Works/Services, the terminating Party shall compensate the other Party for: The contract price of completed deliverables accepted; All reasonable, documented costs incurred up to the termination date for in-process work; All non-cancellable commitments made in good faith for the purpose of fulfilling the contract; and Reasonable demobilization costs.	No. As per RFP
78	GCC 10.3.3 Payment Conditions	GCC 10.3.3 Payment Conditions	request to make Payment term as follows: 80% on delivery and balance 20% on acceptance. Support & AMC charges - Quarterly in advance.	No. As per RFP
79		General	Please provide template for EMD Bank Guarantee.	Please refer to Minutes of Prebid Meeting Sr. No. (B) of General Queries
M/s Hewlett Packard Enterprise (HPE) India Pvt Ltd				
1	Instruction to Bidder -33/ Section II / Clause 9.3 Bid validity	Unless specified to the contrary in the TIS/ AITB, Bids shall remain valid for a period not less than 180 days from the deadline for the bid submission stipulated in TIS. A bid valid for a shorter period shall be rejected as nonresponsive.	Bidder request to reduce bid validity to 60 days	As per RFP
2	General Conditions of Contract (GCC) / Section IV /	the contractor shall, whenever called upon and required to produce or cause to be produced, for examination by	As the cost records for the contract are internal to HPE and cannot be provided to Customer/government officer unless	As per RFP Book Examination Clause is marked as NA at Page No 101. Also, Please refer to Minutes of Prebid Meeting Sr. No. (G) of General Queries

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
	<p>Clause 5.10 Book Examination Clause, at Page No 63</p>	<p>any Government Officer duly authorised in that behalf, any cost or other book of account, voucher, receipt, letter, memorandum, paper or writing or any copy of or extract from any such document. The Contractor shall also furnish information relating to the execution of this contract or relevant for verifying or ascertaining the cost of executing this contract to such Government Officer in such manner as may be required. The decision of such Government Officer on the question of relevancy of any document, information of return being final and binding on the parties. The obligation imposed by this clause is without prejudice to the contractor's obligations under any other statute, rules or orders which shall be concurrently binding on the contractor.</p>	<p>required by law, we request you to delete this clause.</p>	
<p>3</p>	<p>General Conditions of Contract (GCC) - Page 60 / Section IV / 5.6 - Indemnities for breach of IPR Rights</p>	<p>the contractor shall indemnify and hold harmless, free of costs, the Procuring Entity and its employees and officers from and against all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which may arise in respect of the Goods provided by the contractor under this Contract, as a result of any infringement or alleged infringement of any patent, utility model, registered</p>	<p>We request the client on the following: 1. The indemnity obligation be restricted to infringement of third party IP only; and 2. Sub-clause (b) which is marked in red font be deleted as sub-clause (b) makes the contractor liable for infringement claims arising from the Procuring Entity's sale of products produced by the contractor's supplied Goods in any country. This is unreasonable because the contractor has no control or knowledge over the Procuring Entity's subsequent sales, distribution channels, or end uses of the products in other jurisdictions. Holding the contractor responsible for actions or sales</p>	<p>No. As per RFP</p>

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		<p>design, copyright, or other Intellectual Proprietary Rights (IPR) or trademarks, registered or otherwise existing on the date of the contract arising out of or in connection with: (a) any design, data, drawing, specification, or other documents or Goods provided or designed by the contractor for or on behalf of the Procuring Entity. (b) The sale by the Procuring Entity in any country of the products produced by the Goods supplied by the contractor, and (c) The installation of the Goods by the contractor or the use of the Goods at the Procuring Entity's Site</p>	<p>undertaken solely by the Procuring Entity, especially in markets where the contractor has no oversight or influence, exposes the contractor to unpredictable and unlimited risks. Therefore, to maintain a fair allocation of risk and responsibility, clause (b) should be deleted.</p>	
<p>4</p>	<p>General Conditions of Contract (GCC)- Page 60 / Section IV / 5.7.2 - Confidentiality</p>	<p>Confidentiality: All documents, drawings, samples, data, associated correspondence or other information furnished by or on behalf of the Procuring Entity to the contractor, in connection with the contract, whether such information has been furnished before, during or following completion or termination of the contract, are confidential and shall remain the property of the Procuring Entity and shall not, without the prior written consent of Procuring Entity neither be divulged by the contractor to any third party, nor be used by him for any purpose other than the design, procurement, or other services and work required for the performance of this Contract. If advised by the</p>	<p>We request that this entire clause as applicable be made mutual considering that the Contractor is also providing a lot of confidential information as part of the services. Requesting to replace it with the below: All documents, drawings, samples, data, associated correspondence, or other information furnished by or on behalf of either party to the other party in connection with this contract—whether furnished before, during, or after completion or termination of the contract—shall be considered confidential and shall remain the property of the disclosing party. Such information shall not, without the prior written consent of the disclosing party, be disclosed by the receiving party to any third party, nor be used by the receiving party for any purpose other than for design, procurement, or other services and work required for the</p>	<p>No. As per RFP</p>

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		<p>Procuring Entity, all copies of all such information in original shall be returned on completion of the contractor's performance and obligations under this contract.</p>	<p>performance of this contract. Upon completion or termination of the contract, and if so requested by the disclosing party, all originals and copies of such information shall be promptly returned to the disclosing party.</p>	
5	<p>General Conditions of Contract (GCC)- Page 69 / Section IV / 7.1 Tests and Inspections</p>	<p>Tests and Inspections</p>	<p>We request that the acceptance testing be done in a time bound manner, i.e., within 5 days from the date of submission of product for inspection.</p>	<p>No. As per RFP</p>
6	<p>General Conditions of Contract (GCC)- Page 80 / Section IV / 10.1.6 - Fall Clause</p>	<p>This clause shall be applicable only if explicitly invoked in SCC. Nevertheless, Fall Clause shall be expressly applicable in case of Rate Contract (Refer SCC-clause 6.8): 1) The price charged for the Goods supplied under the contract by the contractor shall in no event exceed the lowest price at which the contractor sells the Goods or offers to sell Goods of identical description, to any persons/ organisations including the Procuring Entity or any Department or Undertaking of the Central Government, as the case may be during the currency of the contract in last 3 years. Contractor shall forthwith notify such reduction or sale or offer of sale to the Procuring Entity and the price payable under the contract for the Goods supplied after the date of coming into force or such reduction or sale or offer of sale shall stand correspondingly reduced. 2) The above stipulation shall, however, not apply to: (a) Exports by the</p>	<p>We request deletion of this clause since its is impossible to determine if the prices of goods and services are different or less since the solutions provided for each customer vary from one another.</p>	<p>No. As per RFP</p>

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		<p>contractor (b) Sale of Goods as original equipment at prices lower than the prices charged for normal replacement (c) Sale of perishable Goods having a limited shelf life, such as drugs that have expiry dates 3) the contractor shall furnish the following certificate to the concerned Accounts Officer with each bill for payment of supplies made against the contract. * We certify that there has been no reduction in the sale price of the Goods of description identical to the Goods supplied to the Procuring Entity under the contract herein, and such Goods have not been offered/ sold by me/ us to any person/ organisation including any Ministry/ Department/ Attached and Subordinate Office/ Public Sector Undertaking of Central or State Government(s) as the case may be upto the date of bill/ the date of completion of Contract at a price lower than the price charged under this contract except for the quantity of Goods categories under (a), (b) and (c) of sub-clause (2) above, details of which are as follows:-”</p>		
7	<p>General Conditions of Contract (GCC) - Page 92 / Section IV / 12.1 - Termination due to Breach,</p>	<p>Termination due to Breach, Default, and Insolvency</p>	<p>In all places in the contract, we request that the any right of termination for default or breach is available only in case of material default and breach as termination for minor or inconsequential breaches or defaults are harsh on the contractor. We also request addition of right of contractor to terminate for</p>	<p>No. As per RFP</p>

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
	Default, and Insolvency		breach. Request to replace the said clause: Either party may terminate this Contract (and cancel any unfulfilled obligations) by providing 30 days written notice to the other, if the other: (a) fails to meet any material obligation and fails to remedy the breach within 30 days period after being notified in writing of the details; or (b) becomes insolvent, unable to pay debts when due, files for or is subject to bankruptcy or receivership or asset assignment. Defination of Material Breach: material breach to include specific, objectively measurable events. For example, a defined number of repeated failure of the same performance obligations; specific material adverse change events; wilful or fraudulent default/misconduct on the part of Bidder.	
8	General Conditions of Contract (GCC) - Page 93 / Section IV / 12.1.2 - Notice for Default	As soon as a breach of contract is noticed, a show-cause 'Notice of Default' shall be issued to the contractor, giving two weeks' notice, reserving the right to invoke contractual remedies. After such a show-cause notice, all payments to the contractor would be temporarily withheld to safeguard needed recoveries that may become due on invoking contractual remedies.	We request increase of the notice period from two weeks to 30 days as the same is reasonable for contracts of this nature.	No. As per RFP
9	General Conditions of Contract (GCC) - Page 94 / Section IV / 12.1.5 - Limitation of Liability	Except in cases of criminal negligence or wilful misconduct, the aggregate liability of the contractor to the Procuring Entity, whether under the contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing	Request to delete and replace the section with the below: Contractor's liability to Procuring Entity under this Agreement is limited to the amount paid by Procuring Entity to Contractor for the relevant Order. Neither party will be liable for lost revenues or profits, downtime costs, loss or damage to data or indirect, special or consequential costs or damages. This provision does	No. As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		defective equipment, or to any obligation of the contractor to indemnify the Procuring Entity concerning IPR infringement.	not limit either party's liability for: unauthorized use of intellectual property, death or bodily injury caused by their negligence; acts of fraud; wilful repudiation of the Agreement; nor any liability which may not be excluded or limited by applicable law.	
10	HPCSRFP, page 67 / 6.7 , point no 5 / Warranty Guarantee and page no 103 / GCC 9.12 / point no c	A penalty of 0.5% (half per cent) of the contract value for the delay in response time beyond specified time as detailed above shall be recoverable from the Performance/ Warrantee Guarantee or as per GCC- clause 10.4 below. The maximum penalty for warranty failure will be 10% (Ten percent) of the contract value during the whole warranty period. If the supplier fails to Supply, Install and Commission the system as per specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of 0.5% of overall tender value (contract value) per week of delay subject to a maximum of 10% beyond the due date	Request to put Penalty on the Delayed Product only not on Total Contract Value	No. As per RFP
11	HPCSRFP, page no 103 / GCC 9.12 / point no c	Delay in Acceptance- In the event of the failure by the vendor to secure acceptance of the HPC solution from the purchaser, the purchaser reserves the option to recover from the vendor as liquidated damages and not by way of penalty. The damages, after the said 30 days, amounting to a sum equivalent to 2% (two percent) of the overall contract value for each month of the	2% on Total Contract Value post 10 Months of time as requested for Acceptance terms and Date of Advance Payment	No. As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		<p>failure of vendor, will be recovered until its acceptance. The maximum recovery is capped at 10% of the overall tender (contract) value without prejudice to the purchaser's other remedies under the contract.</p>		
<p>12</p>	<p>HPCSRFP, page 129 / 4.5 / Total Cost of Ownership (3rd para)</p>	<p>The selected vendor has to demonstrate the Power to run the complete system (excluding the power required for cooling) as quoted by them during the Acceptance Tests after the supply and installation at IMD Delhi site. If any deviation on higher side of more than 1% up to 5% is found then two times the difference between actual measured to run and quoted by the vendor will be penalised in terms of Six years Power cost as per the Power rates calculated in TCO. If the deviation is more than 5% up to 10% then the penalty would be Three times the difference cost for complete Six years. Further if difference is found more than 10 % then the penalty would be Four times the difference cost for complete Six years. All Such penalties will be recovered from the vendor against the contract.</p>	<p>Power utilization as per submitted details in Bid to be checked and confirmed at the time of acceptance making systems utilized to 100% or near 100% and accepted. This clause cannot be accepted for contract period as its basis many variable HPC cluster utilization factor including NON IT components.</p>	<p>No. As per RFP</p>
<p>13</p>	<p>HPCSRFP, page 51 / Section III / ITB 13.2.4</p>	<p>(A) The performance security for supply, installation, commissioning & acceptance of HPC Solution. The amount of the Performance Security shall be 10% of the contract value, valid up to 60 days after the date of completion of contractual</p>	<p>Bidder requests to clarify that the PBG for the COAMC period shall be 10% of COAMC charges for 4th, 5th and 6th year and not the entire total contract value</p>	<p>As per RFP</p>

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		<p>obligations including warranty obligations (Three years, i.e excluding the COAMC costs for 4th,5th,6th year). (B) The performance security for Comprehensive Operational Annual Maintenance Contract (COAMC) of HPC Solution: 10% Performance Security of the total contract value has to be submieed by the supplier for the period of Comprehensive Operational Annual Maintenance Contract (COAMC) (i.e. 4th, 5th & 6th year after completion of warranty period of 36 Months) plus 60 days in case of the award of COAMC.</p>		
14	HPCSRFP, page 69 / Section IV / 7.1.5	<p>Unless otherwise stipulated, in the contract, all costs of tests and inspections (including any special or third-party tests), whether at the contractor's premises, shall be borne by the contractor. However, in case of stipulation for type testing/ proto-type testing of machinery and plant involving special tests, the contract shall indicate the apportionment of test and expended material costs among the parties.</p>	<p>Bidder request to clarify that the cost of any such testing and inspection done by the purchaser shall be borne by the purchaser</p>	<p>No. As per RFP</p>
15	HPCSRFP, page 71 / Section IV / 7.4.1	<p>Goods accepted by the Procuring Entity and/ or its inspector at the initial inspection and final inspection in terms of the contract shall in no way dilute the Procuring Entity's right to reject the same later if found deficient concerning 'Technical Specifications and Quality Assurance'.</p>	<p>Bidder requests to clarify that the acceptance provided by the Procuring Entity and/ or its inspector after the final inspection shall be irrevocable. If any deficiencies are found post the acceptance, the same shall be fixed as per the warranty agreement between the parties</p>	<p>No. As per RFP</p>

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
16	HPCSRFP, page 78 / Section IV / 9.12.1	Subject to GCC clause 9.11, if the contractor fails to deliver any or all of the Goods or fails to perform the incidental Works/ Services (e.g. installation, commissioning or operator training) within the time frame(s) incorporated in the contract, the Procuring Entity shall, without prejudice to other rights and remedies available to the Procuring Entity under the contract, deduct from the overall tender value (total contract price), as agreed liquidated damages, but not as a penalty, a sum equivalent to the ½ % percent (or any other percentage if prescribed in the contract) of the delivered total price (including elements of GST & freight) of the /delayed Goods and/ or incidental Works/ Services for each week of delay or part thereof until actual delivery or performance, subject to a maximum deduction of the 10% (or any other percentage if prescribed in the contract) of the delayed Goods' or incidental Works/ Services' contract price(s). Besides liquidated damages during such a delay, the denial clause as per GCC-clause 9.11-2(b) shall also apply.	Bidder requests to apply the penalties on the values excluding GST, freight, etc. as per industry standard practice	No. As per RFP
17	HPCSRFP, page 85 / Section IV / 10.4.4	Lien in respect of Claims in other Contracts: Any sum of money due and payable to the contractor (including the security deposit returnable to him) under the contract may be withheld or	Bidder requests to remove the provision of inter contract set off	No. As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		retained by way of lien by the Procuring Entity or Government against any claim of the Procuring Entity or Government in respect of payment of a sum of money arising out of or under any other contract made by the contractor with the Procuring Entity or Government.		
18	HPCSRFP, page 93 / Section IV / 12.1.4.7	Risk and Cost Procurement: In addition to termination for default, the Procuring Entity shall be entitled, and it shall be lawful on his part, to procure Goods similar to those terminated, with such terms and conditions and in such manner as it deems fit at the "Risk and Cost" of the contractor. Such 'Risk and Cost Procurement' must be contracted within six months from the breach of Contract. The Contractor shall be liable for any loss which the Procuring Entity may sustain on that account provided the procurement, or, if there is an agreement to procure, such agreement is made.	Bidder requests that the liability of the bidder in such instances shall be limited to 10% of the Total Contract Value	No. As per RFP
19	HPCSRFP, page 102 / Section V / 6.5	The buyer may increase or decrease the quantity by +/-25% at the same rate and terms & conditions of procurement as per manual for procurement of goods.	Bidder requests to clarify that such additional order shall be placed during the initial implementation period. Price and other T&Cs of any orders placed beyond this period shall be mutually agreed between the parties	No. As per RFP
20	HPCSRFP, page 104 / Section V / GCC 9.12 (d)	Penalty for not maintaining the required uptime : During warranty period / COAMC period if supplier fails to maintain the required system uptime in the quarter then the warranty / COAMC period will be extended	Bidder requests for the below modifications. 1. Please remove the provision for warranty extension as it is practically challenging to extend the warranty based on the downtime 2. Please calculate the penalty during the warranty period as a percentage of	No. As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		<p>twice the down time in addition, if the downtime is beyond 24 hours, a penalty of 0.5% of COAMC value of that quarter (for each 24-hour downtime) during COAMC period. The penalty during warranty period for downtime beyond 24 hours shall be 0.5% of overall tender value [i.e. overall contract value which is summation of Cost of All Equipment (HPCS + Data Center) and Operational Maintenances charges for 3 years warranty period, but excluding Manpower Charges, Installation Charges, Training Charges, and COAMC charges] (for each 24 hour down time) in addition to extension of warranty period as mentioned above. This penalty will be deducted from the quarterly payment of manpower charges due in that quarter, during warranty period.</p>	<p>operational maintenance charges and not on the entire TCV</p>	
<p>21</p>	<p>HPCSRFP, page 104 / Section V / GCC 10.3.1, 10.3.2</p>	<p>Terms and Mode of payments</p>	<p>Bidder requests the following modification/clarifications 1. Please clarify that all payments shall be made as per the milestones within 30 days from the date of invoice. 2. Bidder requests part payment for the components where supply is completed instead of waiting for the complete supply of BOQ to release the milestone payment 3. As per the GST practice, Bidder will deposit 100% GST on the entire supply to the government at the time of delivery, which will be available in the purchaser's credit in the GST portal. Based on this, the bidder requests the customer to pay the 100% GST on the entire supply as part of the</p>	<p>No. As per RFP</p>

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
			first milestone payment 4. Bidder request to clarify whether the prices quoted in foreign currency will be paid in that respective foreign currency or in INR. If it is in INR, what will be conversion rate for the same	
22	HPCSRFP, page 112 / Section VII / 1.2	Note: (1) Optional items mentioned in the quotation will not be considered for commercial evaluation. (2) Items to be supplied from India should be quoted in Indian Currency only. (3) Imported items should be quoted in convertible foreign currency only.	Bidder requests to clarify whether the bidder can choose to quote INR/foreign currency for the imported component, or it is mandatory to quote in foreign currency for imported components. As per page no 32 of RFP, the bidder has the option to choose the currency that he wants to quote for imported goods, however the language in this notes section is contradicting	Please refer to ITB 6.1.6 of RFP Page No 50
23	HPCSRFP, page 158 / Proforma 3	PROFORMA 03	Bidder requests to clarify the nature of the breakup required here. Also, whether this price to be quoted including GST	As per RFP
24	HPCSRFP, page 170 / Appendix-10 / Note 9	The Technical Evaluation and Financial Committee (TEFC) and the competent authority will choose any one of the BoQ out of 4 worksheets (as per Clause 6.3 (i), (ii), (iii), & (iv) of Appendix-6) for awarding L1.	Bidder requests to clarify which BOQ will be chosen by the customer for evaluation and order ... Bidder request to use the BSC for the L1 calculation however may choose the order whatever BoQ is suitable at the time to award.	As per RFP
25	HPCSRFP, page 170 / Appendix-10 / Note 9	(USD), EURO (EUR) and Japanese Yen (JPY) except rows nos (1.02, 1.04, 1.10, 1.11, 1.12, 1.14, 1.15, 1.16) of the BoQ wherever "INR" currency is mandatory. However, Bidder shall quote either in INR or any one of the above said Foreign Currencies in the rest of the rows. In addition, all the required Taxes / any other statutory expenses shall be quoted only in Indian Rupee.	Bidder requests to clarify that the pricing template doesn't have provision to mention absolute figure for GST, it is calculated as a percentage of base price. Please guide how we can update GST in INR where the base price is in foreign currency	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
26	Page 68 / Section IV / 9.3	RFP	Recommendation to provide clear Customer address & delivery address with GST ID	GST details will be shared with L1 bidder
27	Page 58 / Section IV / 6	RFP	Is there a PMC (Project Management Consultant) assigned to this project?	As per RFP
28	Page 17 / Section II / 6.4	RFP	Will this project follow the Measurement Sheet and Running Bill methodology?	As per RFP
29	Page 22 / Section II / 6.4	RFP	Are there any limitations on claims, or is there a defined process that needs to be followed?	As per RFP
30			What is the applicable treatment for Labor Cess in this case?	As per RFP
31	Page 21 / Section II / 6.3	RFP	What is the tax disposition for this deal—does it fall under Works Contract Tax (WCT), or is it treated as separate Supply and Installation?	As per RFP
32	Page 71 / Section IV / 10	RFP	Will the customer be paying 100% of the applicable tax upfront for product invoicing?	As per RFP
33	Page 17 / Section II / 6.4	RFP	Payment terms as 30 days from the date of the invoice date should be clearly mentioned in the Contract/LOA	As per RFP
34	Page 128 / Appendix 5 / 5.3.9	InfiniBand NDR 400/ Ethernet on Fibre Channel or better with minimum throughput 400 Gbps or better.	Kindly change it so 'A high performance system interconnect with a minimum performance of 400 Gbps per endpoint/link, supporting MPI and AI/ML applications with consistent performance using RDMA and native IP communication'. This is to avoid vendor specific terminology.	No, As per RFP
35	Page 128 / Appendix 5 / 5.3.9	There should be non-blocking interconnect architecture (for every 1 down links there should be minimum 1 up link).	Kindly change it to 'The interconnect should deliver cost effective non-deadlocking behaviour without performance limiting bandwidth oversubscription. A fully non-blocking fat tree is not required, alternate topologies that offer cost effective performance are also acceptable'. This is to avoid ambiguity in the topology.	No, As per RFP
36	Page 128 / Appendix 5 / 5.3.9	Support for a protocol that can enhance the performance of MPI and Machine Learning	Support for optimized MPI and Machine Learning communications supporting transfers to/from GPU memory directly	No, As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		collective operations by offloading collective operations from GPUs to the network and eliminating the need to send data multiple times between endpoints. The protocol should work with the GPUs provided in the Cluster.	and that minimizes buffer copies. Support for optimized collectives supporting MPI and ML applications.	
37	Page 128 / Appendix 5 / 5.3.9	Bidder should submit measured HPCC random ring latency for an MPI job with one rank per core running on a system with more nodes and at least as many cores per node as that proposed.	Kindly change it to 'Bidder should submit measured HPCC random ring latency for an MPI job with one rank per core running on a system with at least the node count in the ~ 1P Benchmark system size and at least as many cores per node limited upto the Benchmark system size'	No, As per RFP
38	Page 137 / Appendix 5 / 5.4.5	The offered Parallel File systems should support pNFS, CIFS, NFS, SNMP protocols.	Kindly remove 'pNFS' since we do not offer pNFS protocol. This protocol is for different type of Storage offerings.	Agreed. Please refer to Minutes of Prebid Meeting Sr. No. (2) of Technical Queries.
39	Page 130 / Appendix 5 / 5.4.6	Storage must support 7.2K RPM NL-SAS, SSD and NVMe SSD. Optionally, it should support 10K RPM SAS and 15K RPM SAS. PFS metadata should be configured on NVMe SSD / Solid State drives.	Kindly change it to ' Storage must support 7.2K RPM NL-SAS and NVMe SSD. PFS metadata should be configured on NVMe SSDs'. 10k and 15k RPM is not supported on HPC centric storage appliances.	No, As per RFP
40	Page 131 / Appendix 5 / 5.4.13	Designed for 99.99999% (five nines after decimal point) of availability,	Kindly remove this requirement since even though HPC Centric Storage appliances are designed for high availability. We suggest aligning the Storage support to the overall SLA asked in the RFP.	Please refer to Minutes of Prebid Meeting Sr. No. (4) of Technical Queries.
41	Page 133 / Appendix 5 / 5.5.1	The archival storage systems are needed for the archival from the PFS storage as mentioned in section 5.4 (/home and /scratch). The data migration should be policy based and automatically as per users/admin scheduled days/time. The archival system should be based on tape based	What is the total capacity to be protected. How many historical versions of each file to be preserved as backup ?	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		solution with latest model (LTO version 9 or latest version). Vendors must provide fully OEM supported and licensed archival storage solution for the proposed number of slots/bays. These licenses should be perpetual licenses. The archival solution should have no point of failure.		
42	Page 134 / Appendix 5 / 5.5.11	The tape library should have at least 200 TB of high performance cache to archive tape library with minimum of 30 GBPS read and 8 GBPS write throughput.	Kindly change it to 'The tape library should have at least 200 TB of high performance cache (if applicable in the solution) to archive tape library with minimum of 30 GBPS read and 8 GBPS write throughput.'. This is because some of the Archive solutions do not need to have high performance cache and can still deliver the required performance, hence this may be kept optional.	No, As per RFP
43	Page 134 / Appendix 5 / 5.5.14	The solution should supply with maximum possible capacity of individual tape cartridge available in the open market at that time of supply.	Kindly change it to 'at the time of bidding' since it has price implications and cannot be committed without knowing the implications of future technology.	No, As per RFP
44	Page 129 / Appendix 5 / Sizing related - Storage and Archive		How many files within the namespace (/home /scratch) created or changed expected in 1hr and 24 hr period.	As per RFP
45	Page 129 / Appendix 5		Does IMD have a file distribution histogram of the current data, in terms of size? Do you expect this distribution to change ?	As per RFP
46	Page 133 / Appendix 5		How much data (number of files, file size and capacity) to be moved from scratch to home in 1 hr and 24 hour period ?	As per RFP
47	Page 133 / Appendix 5		How often is data moved to and from the archive into the active namespace and what is the qty (# files and file size capacity), say in 1 hr and 24 period..	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
48	Page 116 / Appendix 4 / 4.1.1	The system should be based on modern and latest (The CPU, GPU/Accelerator proposed by the OEM should be the latest at the time of installation as per the delivery schedule given in this document.	Kindly change it to 'at the time of bidding', since it will not be possible to commit delivery of future technology related products since they have unknown commercial implications.	No, As per RFP
49	Page 119 / Appendix 4 / 4.2.4.2	Factory Acceptance Test	Kindly relax this requirement since this will introduce additional delay in the project.	No. As per RFP
50	Page 122 / Appendix 4 / 4.5	TCO - If any deviation on higher side of more than 1% up to 5% is found then two times the difference between actual measured to run and quoted by the vendor will be penalised in terms of Six years Power cost as per the Power rates calculated in TCO. If the deviation is more than 5% up to 10% then the penalty would be Three times the difference cost for complete Six years. Further if difference is found more than 10 % then the penalty would be Four times the difference cost for complete Six years. All Such penalties will be recovered from the vendor against the contract.	As IMD would appreciate, power projections for systems is dependent on many factors like DC environmental conditions, IT Load in the DC, the type of DC equipments considered, efficiency of DC among the few important ones. As these factors could vary, power projections may go wrong. We hence request you to amend the clause to the following: "If any deviation on higher side of more than 5% up to 10% is found then two times the difference between actual measured to run and quoted by the vendor will be penalised in terms of Six years Power cost as per the Power rates calculated in TCO. If the deviation is more than 10% up to 15% then the penalty would be Three times the difference cost for complete Six years. Further if difference is found more than 15 % then the penalty would be Four times the difference cost for complete Six years".	No. As per RFP
51	Page 122 / Appendix 4 / 4.5	All the vendors should submit all the power ratings and cooling requirements supported by their technical details in the technical bid, while evaluating the bids, the actual power required for cooling will be considered, however if any vendor fails to give correct information or if any	Can you please elaborate ? Do we understand that the Power for the Cooling given against the RFP response shall be considered for TCO or will it be normalised with the same IT load for TCO calculation purpose, ie it will be 2x of IT load or will it be normalised with the PUE asked in the RFP ?	It will be normalised as per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		mismatch is found then the power required for cooling will be normalised as mentioned in the TCO clause below.		
52	Page 127 / Appendix 4 / 4.8	Training	Kindly advise on the number of participants and number of days of training expected ? Kindly allow a hybrid model of training, ie a mix of on-site and on-line training since different topics may have different resources spread across the world.	The vendor should follow number of instances as per clauses 2.1.5 and 2.1.6 of Section VI at Page No 121. Also, Please refer to Minutes of Prebid Meeting Sr. No. (C.iii) of General Queries
53	Page 125 / Appendix 5 / 5.3.4	For each compute node, the aggregate GPU to GPU P2P intra node bandwidth should be should be atleast always equal to the total inter-node compute fabric bandwidth of the node.	Kindly elaborate this requirement with an example for clarity. Does it have any sizing implication on the solution ?	As per RFP
54	Page 125 / Appendix 5 / 5.3.4	The GPU Hardware must be listed under MLCommons for the Benchmarks Latency or Throughput and its supporting published link & document to be shared during submission.	Kindly elaborate. Does this mean that the proposed GPU type (say Nvidia H200 or AMD MI300x) must be must be listed in MLCommons site irrespective of the Server OEM OR the proposed Server model by the OEM has to be listed MLCommons site ? Kindly relax this requirement and allow the OEM to bid as per the Solution requirement.	As per RFP
55	Page 125 / Appendix 5 / 5.3.4	The GPU should be Nvidia H200 GPUs or AMD MI300X or equivalent or higher configuration.	Can we presume that the Nvidia H200 or AMD MI300x is an acceptable solution even though there may be alternate Accelerators models from Nvidia and AMD OR it has to be latest at the time of bidding ? Kindly relax 'latest at the time of bidding' and allow solutions with Nvidia H200 or AMD MI300x.	As per RFP
56	Page 132 / Appendix 5 / 5.4.16	The direct liquid cooling (DLC) based solution be supplied for cool down the compute nodes.	Do the GPU nodes also need to be DLC based OR it can be Air cooled ?	Please refer to Minutes of Prebid Meeting Sr. No. (5) of Technical Queries.
57	Page 149 / Appendix 6 / 6.3	The Base System Configuration with 2 times PFS usable disk storage capacity and with 4 times usable disk/tape archival	Kindly advise how will the 200TF Accelerator compute should be calculated ? Will it be FP64 only OR	Please refer to Minutes of Prebid Meeting Sr. No. (1) of Technical Queries.

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		storage capacity and 20% Accelerator of CPU capacity (e.g. if Base System Configuration is 1 PF compute then PFS usable Capacity should be 2 PB and Archival Storage usable capacity should be 4 PB and Accelerators should be 200 TF).	FP64 with tensor cores, since there can be significant sizing implications ?	
58	Page 149 / Appendix 6 / 6.3	The Base System Configuration with 2 times PFS usable disk storage capacity and with 4 times usable disk/tape archival storage capacity and 20% Accelerator of CPU capacity (e.g. if Base System Configuration is 1 PF compute then PFS usable Capacity should be 2 PB and Archival Storage usable capacity should be 4 PB and Accelerators should be 200 TF).	Also kindly advise whether the host CPU (if applicable) of the Accelerator node can also should be added to this 200TF calculation OR this 200TF is purely from the Accelerators ?	Please refer to Minutes of Prebid Meeting Sr. No. (1) of Technical Queries.
59	Page 142 / Appendix 5 / 5.6.1 Point # 11	AI Enterprise Essentials Software Perpetual/Subscription License for all GPU nodes	Kindly advise whether the support should be 9 x 5 or 24 x 7 since this has commercial implications.	As per RFP
60	Page 146 / Appendix 5 / 5.7.5	PUE measurement	Kindly advise whether the PUE measurement shall be done during HPL or during running Application benchmarks ? For uniformity, we suggest that PUE may be measured during HPL.	Application Benchmarks only
61	Page 147 / Appendix 6 / 6.1	The size of the benchmark system is expected to be around 1 PF Peak (CPU based and the AI/ML based systems individually).	AI/ML based systems individually'. Since there are no GPU benchmarks, we understand that this is a typo. Kindly clarify.	Please refer to Minutes of Prebid Meeting Sr. No. (10.i) and (10.ii) of Technical Queries.
62	Page 133 / Appendix 5 / 5.3.7	Utility Nodes - CPU	Utility Nodes - how many CPUs per node required ? One or two ?	As per RFP
63	Page 133 / Appendix 5 / 5.3.7	Cores	Minimum number of cores per CPU ?	As per RFP
64	Page 133 / Appendix 5 / 5.3.7	System Disks	3 DWPD is achieved with mixed use drives - 3.84TB drives are read intensive	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
			drives. Please change the capacity to 3.2TB drives if Mixed use drives are needed.	
65	Page 134 / Appendix 5 / 5.3.7	Graphics Card	How many GPUs per Utility node ?	As per RFP
66	Page 134 / Appendix 5 / 5.3.7	1 x single port NDR-400 OSFP adaptor	Kindly change it to single port 400G Adapter, since this can change depending on the interconnect offered in the solution.	As per RFP
67	Page 131 / Appendix 5 / 5.3.2	Requirement for Memory - It is desirable that the memory on all nodes has error checking and correcting facilities to protect against any single memory chip failure as well as multi-bit errors from any portion of single memory chip.	Kindly relax it to 'It is desirable that the memory on all nodes has error checking and correcting facilities to protect against any single bit error correction', since On-Die ECC incorporated in DDR5 memory does not have capabilities for single chip failure and multi-bit error correction.	As per RFP
68	Page 134 / Appendix 5 / 5.3.7	PVWave	PVWave is a licensed software. We understand PVWave is not in the scope of supply. Kindly confirm.	Please refer to Minutes of Prebid Meeting Sr. No. (8) of Technical Queries.
69	Page 139 / Appendix 5 / 5.4.17.9.(a)	Global file system shall be provided with highly functional backup mechanism together with dispersive lookup file capability to support other operating system platform.	Kindly elaborate, since any file lookup will be limited to the OS platform offered in the solution. Kindly relax.	As per RFP
70	Page 149 / Appendix 6 / 6.4	HPCC Benchmarks	We propose removing HPCC from the benchmark requirements as it is an outdated benchmark, with several of its tests lacking the ability to be optimized for peak performance. Instead, we recommend using HPL, Stream, and HPCG as more suitable alternatives.	No, As per RFP
71	Page 149/ Appendix 6 / 6.3	Configuration Details based on Benchmark	Mentions "at the time of benchmark verification at site, these extrapolated timings (or better timings) must be reproduced on the quoted configuration notwithstanding the benchmark target timings given in this document". We recommend allowing a tolerance of 5% for meeting the extrapolated timings at acceptance.	No, As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
72	Page 148 / Appendix 6 / 6.2	Benchmarking Weightage Factor	The combined weightage of the CFS, NCMRWF_coupled, and GFS benchmarks is 98%. We kindly request IMD to eliminate the remaining benchmarks with lower weightage. This is will help in saving time to run the benchmarks and also ease the data disk submission.	No, As per RFP
73	Page 147 / Appendix 6 / 6.1	Benchmark Requirement	The RFP does not specify anything regarding special modes such as Turbo or Hyper-Threading (HT). Can we assume that Turbo can be enabled?	No, Base frequency only
74	Page 155 / Appendix 8	Proforma 1 - Hardware - Software: AI/ML software	Is this Nvidia software environment?	Proforma 01 asked for entire HPCS solution including all hardware and all software components
75	Page 156 / Appendix 8	Proforma 1 - Hardware - System Software included in the offer	SPECMARK (ALL) - which SPEC benchmarks, ie. SPEC CPU or SPEC MPI? Can IMD provide more guidance of the SPEC benchmarks to include? Does IMD have SPEC license? HPE cannot install these packages without a license. We suggest that this requirement may be relaxed.	Please refer to Minutes of Prebid Meeting Sr. No. (9) of Technical Queries.
76	Page 156 / Appendix 8	Proforma 1 - Hardware - System Software included in the offer	LINPACK (ALL) – Can IMD provide more guidance of the HPL benchmarks when referring to “ALL”?	As per RFP
77	Page 147 / Appendix 8		We kindly request IMD to keep communication channels open for addressing benchmark-related queries beyond the pre-bid meeting, as the benchmark materials have just been provided.	Agreed.
78	Page 147 / Appendix 8		Would it be permissible to use third-party systems for running the benchmarks?	All bechmark runs have to be made by the bidder as per RFP. The formal arrangment / back-to-back NDA with the CPU OEM need to be submitted to IMD. The updated NDA has been shared with the respective HPCS OEMs on 21.08.2025.
79	Page 148 / Appendix 6 / 6.2	Benchmarking Weightage Factor	The RFP specifies running two benchmarks for scalability up to the BSC size. Would it be possible to adjust the scalability runs to align with the capacity of the benchmark system?	As per RFP. Also refer to Minutes of Prebid Meeting Sr. No. (10) of Technical Queries.

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
80	Page 148 / Appendix 6 / 6.2	Benchmarking Weightage Factor	The HWRF version provided in the benchmark package includes two different versions of WRF:	Use BENCHMARK_HWRF folder
81			V3.8 in $\{\text{BM_ROOT}\}/\text{WRFV3}$	Refer above
82			V3.8.1 in $\{\text{BM_ROOT}\}/\text{BENCHMARK_HWRF}/\text{S}/\text{ORC}/\text{WRFV3}/$	Refer above
83			They behave differently with the same Intel compiler, and neither version is compliant with modern compiler standards. Could IMD specify the version of WRF they would like to see benchmarked? We kindly request IMD to provide a more updated version of the benchmark that is better suited to current and future compilers.	A latest version of WRF (4.6) tested with 2024 compilers, will be shared with bidders
84	Page 148 / Appendix 6 / 6.2	Benchmarking Weightage Factor	HWRF: The instructions provided with the benchmark files in DOC/HWRF.pdf describe how to run WRF. Could IMD please provide instructions on how they would like us to run HWRF?	A updated README file will be shared with bidders
85	Page 148 / Appendix 6 / 6.2	Benchmarking Weightage Factor	13. HWRF: The instructions in HWRF.pdf describe this step: Change the paths in $\{\text{ROOT_HWRF}\}/\text{H217rtofs}/\text{parm}$ below filesc, 1.system.conf 2. system.conf.mihir 3. hwrp_input.conf $\{\text{HWRF_ROOT}\}/\text{EMC}/\text{scrub}/\text{H217rtofs}/\text{com}/\text{2021052600}/\text{02B}/\text{storm1.conf}$ Could IMD please distinguish between $\{\text{ROOT_HWRF}\}$ and $\{\text{HWRF_ROOT}\}$? The last path does not exist in the files included with the benchmarks. Can IMD please provide the contents of this directory?	The evnironmental path $\{\text{ROOT_HWRF}\}$ and $\{\text{HWRF_ROOT}\}$ are same
86	Page 148 / Appendix 6 / 6.2	Benchmarking Weightage Factor	The CFS and GFS models included in the benchmark package utilize ESMF library version 7_1_0r, which is outdated and incompatible with modern compiler standards. We respectfully request IMD to provide a more recent version of the	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
			library that is compatible with the provided CFS and GFS versions.	
87	Page 148 / Appendix 6 / 6.2	Benchmarking Weightage Factor	Should we adhere to the same validation procedure outlined in the benchmark package, using the provided reference files to verify RMSE values?	As per RFP
88	Page 147 / Appendix 6 / 6.1	Benchmark Requirement	This is with reference to the BSC sizing of for the 8 x Benchmarks (along with the weightages) mentioned on pages 147 and 148 in the RFP. If the expectation is that one BSC should fit in ~ 1PF Rpeak System, then we would like to highlight that the latest x86 CPUs available today have increased performance from 16 to 32 FLOPS per clock cycle. None of the latest x86 CPUs operate at 16 FLOPS per clock cycle. This results in a 2x impact on the Rpeak (HPL) calculations, making the ~1PF BSC highly unlikely to be achievable. Since the BSC size directly affects the Storage and Archive solution as well as the overall power requirements of the infrastructure, we kindly request IMD to review the number of copies mentioned on page 148 to adjust the BSC to a more reasonable size.	Please refer to Minutes of Prebid Meeting Sr. No. (10.i) and (10.ii) of Technical Queries.
89	Page 147 / Appendix 6 / 6.1	Resolving Compiler Issues with CPU partners	We may have to collaborate with CPU partners to resolve compilation & run time issues of application benchmarks. Please relax NDA to share benchmark data with such partners.	All bechmark runs have to be made by the bidder as per RFP. The formal arrangment / back-to-back NDA with the CPU OEM need to be submitted to IMD. The updated NDA has been shared with the respective HPCS OEMs on 21.08.2025.
90	Page 147 / Appendix 6 / 6.1	Number of Copies - Banchmark	Number of copies of benchmark models is ranging from 5 to 58. With current generation CPUs, number of nodes in 1PF Peak CPU system may not have 58 nodes. Please limit the number of copies to the maximum possible runs in the 1PF benchmark system	As per RFP
91	HPCSRFP, Page 64 / 5.12.1 / 1,2,3		Issuance of Labor license & submission of monthly wages paid to workers - documentary evidence	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
92	HPCSRFP, Page 75 / 9.4 / 2	the contractor shall either deliver free or F.O.R. or C.I.F. at the place/ places or otherwise as detailed in the contract, the quantities of the Goods detailed therein, and the Goods shall be delivered or despatched not later than the dates stipulated in the contract. The delivery shall not be complete unless the Goods are inspected and accepted by the Consignee as provided in the contract. No Goods shall be deliverable to the consignee on Sundays and public holidays or outside designated working hours without the written permission of the consignee.	Request to have Goods shall be deliverable to the consignee on Sundays and public holidays or outside designated working hours with the written permission of the consignee.	As per RFP
93	HPCSRFP, Page 77 / 9.10	Inexcusable delays of more than one-fourth (25%) of the total completion period shall be treated as inordinate delays. Such inordinate delays shall be noted as poor performance and be held against the contractor in future tenders. A show-cause notice shall be issued to the contractor before declaring it a poor performance. Such delays may be considered as a breach of the contract at the option of the Procuring Entity.	Request to provide the Inexcusable delays of equal to (50%) of the total completion period	As per RFP
94	HPCSRFP, Page 113 / 1.4, 1.5		Request Project delivery schedule for atleast 10 months from the date of payment of first installment of advance payment - six months timeline is not sufficient & difficult to complete the project	Please refer to Minutes of Prebid Meeting Sr. No. (D) of General Queries
95	HPCSRFP, Page 120 / 2.1.3 / f	Onsite engineer and NWP division duty officers Pantry Room	Sitting for onsite engineers and NWP division duty officers -kndly sugeest the no. of seats for engineers and NWP	Please refer to Minutes of Prebid Meeting Sr. No. (C.i) of General Queries. Also, refer to 4.4(c) at RFP Page 128.

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
			division duty officers required to be provisioned as the same is not mentioned in the RFP Document No. of seats not mentioned and also what all required in side that pantry needs to be detailed out	
96	HPCSRFP, Page 146 / 5.7.3 / b	Batteries: Individual battery bank for each UPS with overall 15 min backup time.	Bidder need to know the type of battery- Please confirm LI-on Battery or VRLA Battery.	As per RFP
97	General query		please confirm if the 15 min backup time calculation will be done at the BOL or EOL basis.	As per RFP
98	General query		Electrical Power with DG Back up and water during construction phase will be provided by IMD. Kindly confirm	As per RFP
105	General query		Bidder request to get the structural audit of the building done by IMD and share the audit report before bidders to start the work	Audit report will be shared with the L1 bidder before start the work.
106	General query		Water proofing for top floor also need to be done in the interest of protecting Data Center and Electrical Rooms from water seepage. Bidder request to get this done by IMD beofre the start of work	Agreed. IMD will ensure the water proofing over the top floor.
107	General query		Kindly confirm if the Water leakage and Rodent repellent System is required or not. If requeired than kindly mention in the requirement so that all bidders take in consideration	Please refer to Minutes of Prebid Meeting Sr. No. (C.ii) of General Queries
108	General query raised during pre-bid meeting		MII Clause : it was discussed that this RFP is the Global RFP and MII Clause will not be applicable here. Which essentially means that all types of suppliers are allowed (Class-1, Class 2 or non-Local) and no purchase preference will be given to any bidder. Requesting your confirmation please.	As per RFP
109	General query raised during pre-bid meeting		NDA for the benchmarking data sharing: We highlighted the indemnity clause which is very open and is not practically applicable is the part of the NDA document. We request you to kindly	IMD shared the updated NDA with invidual OEMs on 21.08.2025.

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
			remove the indemnity clause from the NDA document.	
110	General query raised during pre-bid meeting		We understood that the Data Centre Building will be provided to selected bidder with due structural audit. Bidder is not supposed to consider any efforts in account of structural audit.	Audit report will be shared with the L1 bidder before start the work. Bidder is not required to consider any efforts in account of structural audit.
111	General query raised during pre-bid meeting		All bidders have raised concerns related to project timelines and we request to change the project completion timelines to 10 month from the date of contract signing.	Please refer to Minutes of Prebid Meeting Sr. No. (D) of General Queries
112	General query		We will request for an extension of one month for the submission of this bid; subject to Corrigendum (pre-bid queries reply before 11 Sep 2025). This is requested because we need to run the benchmarks and take certain approvals internally and also the new compiler details need to be confirmed from the respective OEM's for the specific benchmarks. All these activities are time consuming and also we need to prepare a competitive bid for the submission.	Please refer to Minutes of Prebid Meeting Sr. No. (E) of General Queries
113	Page 146 / Section VI / 5.7.3 (a)	(a) UPS-Two separate UPS banks for feeding the computer racks with dual Power Source from each bank in a N+1 redundancy within each bank. Preferably N should not exceed 2.	This sentence makes us understand that UPS should be supplied as 2 x (N+1); however, as per the Tier-III requirement, N+N will be sufficient. Thus, we request to amend this clause as "(a) UPS- for feeding the computer racks with dual Power Source from each bank in a N+N redundancy. Preferably N should not exceed 2."	No. As per RFP
114	Page 119 / Section VI / 2.1.3 (a)	Diesel Generator Sets must comply with the latest CPCB norms (or at least CPCB-IV norms) at the time of supply & installation.	RFP asked CPCB-IV norms, which are applicable only upto 750 kVA or 800 KW DG sets. However, if the DG set rating goes beyond this, then DG sets should comply with the CAQM norms. We request to amend this clause accordingly.	No. As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
115	Page 119 / Section VI / 2.1.3 (a)	Diesel Generator Sets as dual source/secondary source of operation to be enabled with PNG/CNG Gas connectivity	RFP asked for a dual-source operation of a Diesel Generator with an IGL Gas connection, which will take more than 9 months for the manufacturer to make it. Thus, give at least 10 months from the date of payment of the first installment of the advance payment - a six-month timeline is not sufficient & difficult to complete the project.	Please refer to Minutes of Prebid Meeting Sr. No. (C.iv) & (D) of General Queries.
M/s Meganet Technologies India Pvt Ltd				
1	PAGE 162 / Section VIII (f)	The bidders should have minimum 5 years of experience and OEM/bidders should have successfully executed at least one HPCS and Data Center project with a total cost of Rs. 365 Crore and 22 Lakhs or more.	Kindly amend this clause as per below, "The bidders should have minimum 5 years of experience and OEM/bidders should have successfully executed at least one HPCS/Data Center project with Min. 480TF with a order cost of Rs.5 Crore or more."	As per RFP
2	PAGE 137 / 5.4.5	The offered Parallel File systems should support pNFS, CIFS, NFS, SNMP protocols	Request to please remove support for pNFS. Currently we do not offer support for pNFS. Native POSIX interface offers better performance and is a proven interface for HPC implementations, as compared to pNFS.	Agreed. Please refer to Minutes of Prebid Meeting Sr. No. (2) of Technical Queries.
3	PAGE 137 / 5.4.6	Optionally, it should support 10K RPM SAS and 15K RPM SAS.	Request to please remove support for 10K and 15K SAS. These are not used in disk systems today anymore and our PFS Systems do not support these drives.	As per RFP
4	PAGE 137 / 5.4.8	Metadata storage for PFS must be hosted on RAID1+0 layout. Must support protection against double disk failures in same RAID group	RAID 1+0 does not offer protection against double disk failures. Hence we suggest that Metadat storage for PFS be hosted on a 3-Way Replicated layout. Please confirm.	Please refer to Minutes of Prebid Meeting Sr. No. (3) of Technical Queries.
5	PAGE 140 / 5.5.3	The total capacity of the archival solution shall be as per the benchmark suit ratio mentioned in Section 6.2 of Appendix-6.	It is mentioned that the archival capacity (which is on tape media) should be 4 times the BSC. Is this archival capacity to be proposed after considering redundancy of data on tape media?	As per RFP
6	PAGE 141 / 5.5.11	The tape library should have at least 200 TB of high	A separate disk cache is not required for all Tape Archival solutions. If files can	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
		performance cache to archive tape library with minimum of 30 GBPS read and 8 GBPS write throughput	be archived to tape directly from Scratch/ HOME directories, a separate "disk cache" has no role to play. Hence please clarify that a separate disk cache for archival needs to be provided only if the solution requires it.	
M/s Netweb Technologies India Pvt Ltd				
1	RFP Page 139 / Section VI : Schedule of Requirements Appendix-5 5. Technical Specifications 5.3.4 Hardware requirements of GPU	The GPU Hardware must be listed under MLCommons for the Benchmarks Latency or Throughput and its supporting published link & document to be shared during submission.	We request to kindly amend clause to : The GPU Hardware must be Benchmarked using MLCommons benchmark suites for the Latency or Throughput and its report or published link to be shared during technical submission. We request to kindly allow submitting report or provide the Published listing for wider participation	As per RFP
2	RFP Page 149 / Section VI : Schedule of Requirements Appendix-5 5. Technical Specifications 5.6.2 Requirements for queue control software	The queuing software should be certified by third party International Labs like EAL3 + or better explicitly for job scheduler (not for any other environment)	We request to kindly remove EAL3+. Since RFP allows Job Scheduler software can be an open source or licensed. For OpenSource EAL3+ is not applicable and also against the notifications by DPIIT and PMO against foreign certifications used as restrictive criteria in tenders. Hence requested to kindly remove this clause/specification	As per RFP
3	RFP Page 143 / Section VI : Schedule of Requirements Appendix-5 5. Technical Specifications 5.4 Requirements for the storage subsystems 5.4.1 Architecture	Storage solution should have - Dedicated I/O Servers. - InfiniBand based controllers/servers (NDR 400 or equivalent). Each Storage node should have dual active active RAID controllers. Separate data and metadata storage for PFS. - Usable capacity should be as per benchmark description after RAID created and file system formatting excluding Metadata.	Requested to kindly rephrased clause to below to avoid any ambiguity / confusion and to allow solution from all leading storage vendors and latest technologies (Hardware Controller based and Software Defined Storage based) : Storage solution should have - Dedicated I/O Servers (if required for solution) - InfiniBand based controllers/servers (NDR 400 or equivalent). Each Storage node should have dual active active RAID controllers / N+1 Redundancy with Dual Parity or	As per RFP

Sr.No	RFP Clause No	RFP Clause	Queries	IMD Responses
			better protection. Separate data and metadata storage for PFS. - Usable capacity should be as per benchmark description after RAID created / Parity Protection and file system formatting excluding Metadata.	
4	RFP Page 145 / Section VI : Schedule of Requirements Appendix-5 5. Technical Specifications 5.4 Requirements for the storage subsystems 5.4.13 Storage Availability	Designed for 99.99999% (five nines after decimal point) of availability, In case of failure of storage controller the impact on performance and capacity in the total storage should not more than 10%. The proposed solution should offer this resiliency at the controller level.	Requested to kindly change to below as per Industry Standard : Designed for 99.999% (five nines) of availability, In case of failure of storage controller / Server the impact on performance and capacity in the total storage should not more than 10%. The proposed solution should offer this resiliency at the controller / Server level.	Please refer to Minutes of Prebid Meeting Sr. No. (4) of Technical Queries.
5	RFP Page 146 / Section VI : Schedule of Requirements Appendix-5 5. Technical Specifications 5.4.16 General Instructions	4. The direct liquid cooling (DLC) based solution be supplied for cool down the compute nodes. Bidder to be required to consider chemical dosing system to maintain the water quality as required by DCLC System. Water from tap etc to be used directly or treated chemically or RO to be used. Also, bidder should supply, install and maintain the required RO/chemically treatment based water purifier solution (as per proposal by bidder). Water will be checked every quarter / monthly / within six months need to be defined. Water has to be monitor on regular basis and same has to be feature with Chemical dosing system.	We request to kindly allow both RDHx based Air Cooling along with DCLC/DLC Cooling for wider participation. As long as required PUE is achieved with DCLS or Air Cooled mechanisms both the approaches should be allowed in the tender document to void restricting make in India OEM's. Hence we request to kindly all both type of cooling technologies for enabling better competition and avoiding restrictive criteria.	Agreed. Please refer to Minutes of Prebid Meeting Sr. No. (5) of Technical Queries.