

**GOVERNMENT OF INDIA**  
**(Ministry of Home Affairs)**  
**Communication & IT Directorate**  
**CENTRAL RESERVE POLICE FORCE**  
**EAST BLOCK-7, SEC-1, R.K. PURAM, NEW DELHI-110066**  
**(Tele/Fax No-011-26107493, Email-Id: comncell@crpf.gov.in)**

No. B.V-7-C/2024-25-C(HPC)-Q

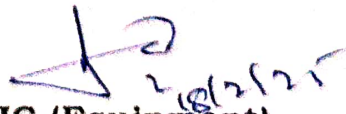
Dated, the 18 Feb'2025

**Subject:- REQUEST FOR COMMENTS OF STAKEHOLDERS /OEM/FIRMS on Draft QRs & TDs of "HPC (High Performance Computing)".**

1. The Draft QRs/TDs of "HPC (High Performance Computing)" is attached as **Appendix 'A'**. The OEMs/Vendors are requested to forward information of the product, which they can offer and also forward correct specifications of their system against each parameter. Only complied or not complied remarks will not be accepted. The firms are also requested to furnish the following details:-
  - Whether you are OEM/Vendor?
  - If vendor details of OEM.
  - Authorization certificate from OEM.
2. The required information/details may please be forwarded at the following addresses by 5 **March'2025**.

Communication Directorate, CRPF  
East Block-7, Sec-1, R.K. Puram, New Delhi-110066  
Email: comncell@crpf.gov.in

3. An early response is requested.

  
**DIG (Equipment)**  
**Communication & IT Branch**  
**Directorate General, C R P F**

## Draft QRs/TDs of High-Performance Computing (HPC)

Sl. No.	Items	Parameters	Trial Directive	Remarks
1	<b>Head Node</b>	<ul style="list-style-type: none"> <li>• CPU Intel/AMD 2 Nos</li> <li>• Min 24 Core @ 2.9 Ghz or more</li> <li>• Cache Min 128 MB</li> <li>• RAM DDR5 Min 512 Gb</li> <li>• Min 2 x 960 GB SSD</li> <li>• RAID Controller</li> <li>• 4 x 1 G Ports</li> <li>• 2 10G Base T Adapter</li> <li>• Single Port Infiniband HDR 200 G HCA</li> <li>• Redundant Power Supply</li> <li>• ILO Advanced license</li> <li>• Licensed Operating System</li> </ul>	Verification with OEM Tech brochure and Console Software	
2	<b>Compute Node</b>	<ul style="list-style-type: none"> <li>• Min 32 Core @ 3.25 Ghz or more</li> <li>• Cache Min 256MB</li> <li>• RAM DDR5 Min 768 Gb</li> <li>• 2 x 960 GB SSD</li> <li>• RAID Controller</li> <li>• 4 x 1 G Ports</li> <li>• Single Port Infiniband HDR 200 G HCA</li> <li>• Redundant Power Supply</li> <li>• ILO Advanced license</li> <li>• Licensed Operating System</li> </ul>	Verification with OEM Tech brochure and Console Software	
3	<b>GPU Node</b>	<ul style="list-style-type: none"> <li>• Min 32 Core @ 3.25 Ghz or more</li> <li>• Cache Min 256MB</li> <li>• RAM DDR5 Min 768 Gb</li> <li>• 4 x 1.92 TB NVMe disks</li> <li>• OS level RAID</li> <li>• Min 2 x 1 G Ports</li> <li>• Single Port Infiniband HDR 200 G HCA</li> <li>• Redundant Power Supply</li> <li>• 4x NVidia H100 80 GB SXM5 GPU</li> <li>• ILO Advanced license</li> </ul>	Verification with OEM Tech brochure and Console Software	

Sl. No.	Items	Parameters	Trial Directive	Remarks
4	<b>NFS Storage</b>	<ul style="list-style-type: none"> <li>• Min 16 Core @ 2.9 Ghz or more</li> <li>• Cache Min 256MB</li> <li>• RAM DDR5 Min 256 Gb</li> <li>• 2 x 500 GB SSD</li> <li>• 12 x 16 TB NL-SAS disks</li> <li>• RAID Controller</li> <li>• 4 x 1 G Ports</li> <li>• Dual 10G base T Ports</li> <li>• Single Port Infiniband HDR 200 G HCA</li> <li>• Redundant Power Supply</li> <li>• ILO Advanced license</li> </ul> Licensed Operating System	Verification with OEM Tech brochure and Console Software	
5	<b>Infiniband Interconnect</b>	<ul style="list-style-type: none"> <li>• Infiniband HDR 40 Ports QSFP56 Switch</li> <li>• Infiniband HDR 200Gb Cables</li> <li>• 24 x 1 Gbs Switch with redundant power supply</li> </ul>	Verification with OEM Tech brochure and Console Software	
6	<b>Software Stack</b>	<ul style="list-style-type: none"> <li>• Performance Cluster Manager License - 5 Yrs</li> <li>• Red Hat Enterprises Linux for HPC Head Node 5 Yr Subscription</li> <li>• Red Hat Enterprises Linux for HPC Compute Node 5 Yr Subscription</li> <li>• Red Hat Enterprises Linux Server 2 Socket - 5 Yr Subscription</li> <li>• Support Subscription for Solution for 5 Years</li> </ul>	Verification with OEM Tech brochure and Console Software	
7	<b>Rack &amp; PDU</b>	<ul style="list-style-type: none"> <li>• 42 U Rack ( 800mm x 1200 mm)</li> <li>• 2 x 3 Phase 32 A PDUs</li> </ul>	Physical Verification	
8	<b>Warranty &amp; Support</b>	5 Years warranty of complete solution with Gold Support		