

PARAM Shavak Hardware Specifications

01. PARAM SHAVAK SYSTEM No. - 01 -NIT Jalandhar

Processor	2 x Intel Xeon Gold 6226R (16 core, 2.9GHz Clock Speed)
RAM	96 GB ECC (8GBx12) DDR4 2933 MHz, RAM in balanced configuration
Network	Two 1GbE network port
Accelerator's slot/ports etc	4 x 16 PCI-E Gen3 slots for GPU/Co-processors, with appropriate power supply, cables and cooling for two accelerators.
Accelerator	1 or 2 numbers of Nvidia GV100
DVD	One number internal DVD RW/DVD combo
HDD	4 * 4TB SATA - 3.5" 7200RPM Enterprise SATA HDD with Hardware RAID controller (1GB cache) - with support of RAID 0,1,5,10
OS	Alma /Rocky (8.x) (Fully certified with RHEL 8.x)
Power Supply	1200W High Efficiency Power Supply Platinum Level Certified
Form Factor	4U Tower form factor
Monitor	23" or better Full HD IPS LED monitor with USB keyboard and Mouse.

ADDITIONAL ITEM TO BE SUPPLIED - NONE

02. PARAM SHAVAK SYSTEM No. - 02 - KFIN TECHNOLOGIES LIMITED - Kalinga Institute of Social Sciences Deemed to be University

Processor	2 x Intel Xeon Gold 6226R (16 core, 2.9GHz Clock Speed)
RAM	96 GB ECC (8GBx12) DDR4 2933 MHz, RAM in balanced configuration
Network	Two 1GbE network port
Accelerator's slot/ports etc	4 x 16 PCI-E Gen3 slots for GPU/Co-processors, with appropriate power supply, cables and cooling for two accelerators.
Accelerator	1 or 2 numbers of Nvidia GV100

DVD	One number internal DVD RW/DVD combo
HDD	4 * 4TB SATA - 3.5" 7200RPM Enterprise SATA HDD with Hardware RAID controller (1GB cache) - with support of RAID 0,1,5,10
OS	Alma /Rocky (8.x) (Fully certified with RHEL 8.x)
Power Supply	1200W High Efficiency Power Supply Platinum Level Certified
Form Factor	4U Tower form factor
Monitor	23" or better Full HD IPS LED monitor with USB keyboard and Mouse.

ADDITIONAL ITEM TO BE SUPPLIED WITH SYSTEM NO. 2 - 2 Nos. x Nvidia A4500 Accelerator card (ADDITIONAL - NOT TO BE POPULATED)

03. PARAM SHAVAK SYSTEM No. - 03 - CMC Vellore (CHRISTIAN MEDICAL COLLEGE)

Processor	2 x Intel Xeon Gold 6226R (16 core, 2.9GHz Clock Speed)
RAM	96 GB ECC (8GBx12) DDR4 2933 MHz, RAM in balanced configuration
Network	Two 1GbE network port
Accelerator's slot/ports etc	4 x 16 PCI-E Gen3 slots for GPU/Co-processors, with appropriate power supply, cables and cooling for two accelerators.
Accelerator	1 or 2 numbers of Nvidia GV100
DVD	One number internal DVD RW/DVD combo
HDD	4 * 4TB SATA - 3.5" 7200RPM Enterprise SATA HDD with Hardware RAID controller (1GB cache) - with support of RAID 0,1,5,10
OS	Alma /Rocky (8.x) (Fully certified with RHEL 8.x)
Power Supply	1200W High Efficiency Power Supply Platinum Level Certified
Form Factor	4U Tower form factor
Monitor	23" or better Full HD IPS LED monitor with USB keyboard and Mouse.

ADDITIONAL ITEM TO BE SUPPLIED WITH SYSTEM NO. 2 - 1 No. x Nvidia A4500 Accelerator card (ADDITIONAL - NOT TO BE POPULATED)

The primary responsibility for the support services (anywhere in India) during the warranty period lies with the bidder. 3 year onsite comprehensive Warranty and Hardware Support - anywhere in India. C-DAC will deploy the system anywhere in India. The vendor needs to support these systems/items at respective client locations.

- Low Noise (rating to be given) at full load Max 24 dB(A)
- Does not have any extra/special Cooling requirements like data centre
- 4U or 5U Tower Form Factor.
- C-DAC/PARAM Shavak Logo to be added in BIOS
- 3 year onsite comprehensive Warranty will start after deployment of systems at client locations.
- The system shall get installed at various locations across India (The Onsite warranty support shall be provided accordingly).
- The warranty should start after 45 days from the delivery at C-DAC.
- The product offered should be in compliance with the OM & Order (Public Procurement No.1) ref. F.No.6/18/2019-PPD dated 23.07.2020. Bidder to declare the COUNTRY OF ORIGIN OF OEM and COUNTRY OF MANUFACTURING of the offered product as per Annexure I format.
- As per the Make in India Circular No. P-45021/2/2017-PP(BE-II) of DPIIT, kindly mention the (%) Make in India contents (F. No. W- 43/4/2019- IPHW- MeitY) as per Annexure I.

Please submit the certificate as per format given below:

To:

Executive Director,
Centre for Development of Advance
Computing, Pune - 411 008

We hereby certify that the goods/services etc. being offered by us vide our proposal, comply with the Make In India Order No. P-45021/2/2017-PP(BE-II)-Part(4) Vol.II dated 19.07.2024 issued by Public Procurement Section, Department of Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce & Industry, Gol. Also

We hereby certify the details pertaining to goods offered by us, as given below:

Sr. No	Item, Description, Make, Model	Country of origin of OEM	Country of Manufacture of item	Percentage of local content	Location of Local Value addition.
1	Param Shavak Systems (3 Nos.)				
2	Accelerator Cards (3 Nos.)				

We also certify that, we are not from a country sharing land border with India and we / offered product comply with the Order No.F.7/10/2021-PPD (1) (Public Procurement No. 4) dated 23.02.2023 issued by Procurement Policy Division, Department of Expenditure, Ministry of Finance, GOI.

For (Name of bidder)

Authorized Signatory
Name & Designation:
Mobile No:

BOQ to be submitted with Financial Bid

Sr. No.	Item Description	Total Price (All inclusive)
01	PARAM SHAVAK SYSTEM No. - 01 -NIT Jalandhar	
SUB TOTAL 01		
02 (A)	PARAM SHAVAK SYSTEM No. - 02 - KFIN TECHNOLOGIES LIMITED - Kalinga Institute of Social Sciences Deemed to be University	
02 (B)	2 Nos. x Nvidia A4500 Accelerator card (ADDITIONAL - NOT TO BE POPULATED)	
SUB TOTAL 02 (02(A) + 02(B))		
03 (A)	PARAM SHAVAK SYSTEM No. - 03 - CMC Vellore (CHRISTIAN MEDICAL COLLEGE)	
03 (B)	<u>1 No. x Nvidia A4500 Accelerator card (ADDITIONAL - NOT TO BE POPULATED)</u>	
SUB TOTAL 03 (03(A) + 03(B))		
<u>GRAND TOTAL (SUB TOTAL 01 + 02 + 03)</u>		