

## Supply of Workstation

Category	Sl. No.	Description	BHEL Specification
Processor	1	Processor Make	Intel
	2	Number of Cores per Processor	12 or higher
	3	Processor Base Frequency (GHz)	2.2 or higher
	4	Processor Turbo Frequency (GHz)	3.2 or higher
	5	Processor Description	Intel Xeon Silver Series
	6	Cache (MB)	16.5 or higher
Type	7	Form Factor	Desktop
Mother Board	8	Chipset Number	Intel C621 or better
Graphics	9	Graphic Card Description	NVIDIA or AMD or Radeon (3d card) with 5GB memory
Operating System	10	Operating System (Factory Pre-Loaded)	Windows 10 Professional 64 bit
	11	Recovery Image Media	CD from the OEM / Stored in Partition of the Hard Disk / USB Drive from the OEM / On Line / Cloud
	12	OS Certification	Windows
Applications	13	Applications Compatible with the Workstation (Requisite document may be furnished as and when demanded by the buyer)	Siemens NX and ANSYS CFX software packages
Memory	14	RAM Type	DDR4
	15	RAM Speed (MHz)	2933 or higher
	16	Type of Memory	ECC RDIMM
	17	RAM Size (GB)	192
Primary Storage / Boot Drive	18	Type of Drives used to populate the internal Bays	PCIe
	19	Number of Drives	1
	20	RAID for Operating System	NA
	21	Capacity of each Drive (GB)	1024

Secondary Storage	22	Type of Drives used to populate the Internal Bays	SATA
	23	Number of SATA Drives	2
	24	Each SATA Drive Capacity (GB)	4000
	25	Speed of each SATA Drive (RPM)	7200 or more
	26	Total SATA Drive Capacity (GB)	8000
	27	Total number of Internal Bays available for PCIe SSD	1
RAID	28	RAID Level	0,1,5,10
Connectivity	29	Type of Ethernet Ports	Dual Gigabit NIC 10/100/1000
	30	Number of Ethernet Ports	2
	31	Number of USB Version 3.0/3.1	Minimum 6
Display	32	Display Availability	Monitor
	33	Display Size (cm)	58-61
	34	Display Type	Non Touch
	35	Panel Type	Flat
	36	Panel Technology	IPS
	37	Display Resolution (Pixels)	1920 x 1200
	38	LED Backlit	Yes
	39	Monitor Stand	Height Adjustable
Input Devices	40	Mouse Connectivity	Wired
	41	Type of Mouse	Optical Scroll
	42	Keyboard Connectivity	Wired
	43	Type of Keyboard	Standard
Generic	44	Optical Drive	8x DVD R/W drive or higher
	45	On Site OEM Warranty (Years)	5 years (including labour & parts) after successful installation and acceptance of systems.
Other Specifications	46	Manufacturer (OEM) Authorization and Backup support in warranty	A letter from OEM stating the Authorization of the Vendor to quote for this tender and providing OEM warranty with backup support of spare parts and service for the entire 5 years of comprehensive warranty on the offered

			workstation. The letter should be submitted along with techno-commercial offer
	47	Certification	Following certification for whole workstation: (1). ERTL / FCC – EMC class B (2). Latest version of IEC-60950-1 / IS 13252 / UL-60950 (3). Energy Star 5.0 compliant or better (4). ROHS - compliant
	48	ISV Certification	ISV Certified Workstation for following Software Application: ANSYS & Siemens NX

*B. Poojash*