



WADIA INSTITUTE OF HIMALAYAN GEOLOGY,
(An Autonomous Institution of Department of Science & Technology
Government of India)
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DEHRA DUN- 248001 (INDIA)

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TECHNICAL BID DUE TO OPEN ON 28.09.2020 at 4.30PM

Open Tender

No: S-2/17-P (Workstation)/WIHG/2020-2021/Volume-II

Dated 03.09.2020

Sub: INVITATION OF TENDER

To

Dear Sirs,

We intend to purchase (**Workstations – 9 Nos.**) as per the details/specifications mentioned below. You are requested to submit your sealed tender/quotation/proforma invoice for the same on your own letterhead as per the details mentioned below under term no. '4' of the Terms & Conditions:-

Sl. No	Description of Items	Quantity	EMD Amount
A 1.	Workstation with 24 GB Graphics Card Specification As per Annexure-I	02 Nos.	Rs 160000.00
2.	Workstation with 32 GB Graphics Card Specification As per Annexure-II	02 Nos.	
3.	27" 4k UHD Workstation monitors Specifications As per Annexure-III	4 Nos.	
B) 1.	Workstation with 8GB DDR5 (or higher) Graphics Card Specification As per Annexure-IV	01 No.	Rs. 11000.00

TERMS AND CONDITIONS

1. Detailed terms & conditions of supply MUST be mentioned in your offer.
2. Detailed technical specifications of offered System MUST be mentioned and the technical literature/write-up on offered item(s) must be submitted with your offer, failing which the offer will be liable to be rejected.

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3. OEM Comprehensive onsite warranty for 3 years of against any malfunctioning from the date of satisfactory installation, commissioning and final acceptance of supply **MUST** be available on the offered system. The warranty clause on these lines **MUST** be clearly mentioned on both technical and commercial bids. Offers with other warranty clauses will not be considered. After sales service facilities in India should also be available. Details of warranty/guarantee and the after-sales service facilities available in India must be specifically mentioned in your offer, failing which the offer will be liable to be rejected.

4. The sealed tenders/quotations/offers are to be submitted in **two parts** as under:-

The technical and commercial bids should be submitted on your own letterhead in separate sealed envelopes. **Your technical bid should be submitted in one of the sealed covers superscribed "(Workstations 9 Nos.)" due to open on 28.09.2020. The other sealed envelope should contain your commercial bid and should be superscribed "Commercial offer for Workstations 9 Nos.)" Both these sealed envelopes should be submitted in a third sealed cover superscribed "Tender for (Workstations)" due to open on 28.09.2020.**

The undermentioned documents/details MUST be submitted with your technical offer.

- a) Demand Draft towards tender fee.
 - b) Relevant technical literature.
 - c) Details and after-sales-service facilities available.
 - d) Details of warranty (elaborative as per term No. '4').
 - e) Details of users and copies of the user certificates of the proposed model/make of **"(Workstations 9 Nos)"** (as per term No. '14').
 - f) Details of para-wise/item wise compliance statement (offers without compliance report will be liable to be rejected).
5. Rates quoted by Indian suppliers in Indian Rupees, **MUST** be for delivery on F.O.R. Dehra Dun basis. Only tax, as applicable, will be paid extra by us. Payment will be made after satisfactory receipt, installation & acceptance of supply.
6. Being a Research & Development Institution, we are exempted from payment of excise duty and are entitled for payment of basic custom duty on concessional rates. Therefore, Indian suppliers are advised to quote their rates accordingly.
7. 100% payment to indigenous suppliers will be made after receipt installation and acceptance of supply by crossed cheque/NEFT/RTGS only. Offers with other payment terms will be liable to be ignored.
8. 100% payment to overseas suppliers will be made by us through wire/Telegraphic Transfer. However, 80% payment will be released on receipt of consignment and the balance 20% payment will be released after satisfactory installation/commissioning and acceptance of supply.
9. Commercial offer from overseas manufacturers/suppliers **MUST** be submitted on the following lines and must be for supply on f.o.b. basis:-
- (a) Ex-works cost.
 - (b) (-) Less Indian Agent's Commission, if any, payable in Indian currency after satisfactory installation and acceptance of supply.
 - (c) Net ex-works cost.
 - (d) f.o.b. charges upto international airport of dispatch in supplier's country.
 - (e) Net f.o.b. cost.

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10. Installation of the equipment along with integrated with existing IT Setup is to be done by you or your authorized dealer at Wadia Institute of Himalayan Geology, Dehradun. In case installation charges are to be paid extra, the same **MUST** be specified in the offer, failing which price quoted will be considered to be inclusive of all charges.
11. Delivery period required by you **MUST** be clearly mentioned in your offer.
12. Your offer **MUST** be valid for a minimum period of **one hundred twenty days** from the date of opening of technical bids and validity period **MUST** be mentioned in your offer. Air-freight charges on imported consignment will be paid by us in India in Indian currency. Insurance of the imported consignment will also be arranged by us.
13. Your offer **MUST** reach us by 04.00 pm. on **28.09.2020**. In their own interest, the tenderers must ensure that their tender reaches us in time. Tender will be opened at 4.30 pm on the same day. Late tenders or delayed tenders will not be considered. In case the due date happens to be a closed day because of any of the reasons, tenders will be opened at 4.30 p.m. the next working day.
14. Details of the users of your product(s), who have used the quoted system(s) in geological applications, especially the users in India, and the contact person(s) (with complete address and FAX / Telephone Nos.) **MUST** be sent with your offer.
15. In case Indian Agents submit offer on behalf of their overseas principals, proper Authorization Certificate from the principals on their (Principals) letterhead **MUST** be Submitted in original with the technical bid, **failing which the offer will not be considered.**
16. **Earnest Money:-** An earnest money for an amount of **Rs. 1,60,000.00 & 11000.00 (Rupees One Lakh Sixty Thousand only & Eleven Thousand only) or its equivalent foreign currency MUST be submitted with the Technical bid** in the shape **FDR/Bank Guarantee in the name of the Director, Wadia Institute of Himalayan Geology, Dehra Dun (India)**, failing which the offer will not be considered.

Kindly note that the FDR/Bank Guarantee towards earnest money **MUST** be submitted with the Technical Bid. The Bank Guarantee shall remain in force upto and including forty five (45) days beyond the period of bid validity of 120 days after opening of technical bid. **Offers not accompanied by earnest money will not be considered.** Earnest money in any other shape will not be considered.

17. Security Deposit: - Before placement of necessary Purchase Order, the successful tenderer will have to submit security deposit @5% to 10% of order value in the shape of a Fixed Deposit Receipt/Bank Guarantee that shall be valid till completion of warranty period.
18. Firms quoting against this tender and seeking exemption for EMD/s being registered with NSIC or any such govt. body, must enclose the legible copy to valid Certificate issued by such authorities.
19. Risk Purchase Clause: - If the supplier fails to supply the goods in correct quality and quantity within the stipulated delivery period, liquidated damages @1% per week for a maximum period of ten weeks will be deducted from the balance payment of the supplier. If the ordered materials are not supplied even after the delay of said period of ten weeks, termination/cancellation of the order will be considered and in such a situation, the purchaser will have the right to forfeit the security deposit of the tenderer and procure the material(s) or services from elsewhere upon such terms and in such manner as it deems appropriate and the supplier shall be liable to pay the purchaser for any excess costs for such similar goods or services.

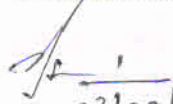


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20. Resolution of Disputes: All disagreements, disputes, difference that may arise between Wadia Institute of Himalayan Geology and your firm/agency which cannot be resolved through mutual negotiation shall be referred to an Arbitrator appointed in accordance with the provisions of relevant Indian or International Law as the case may be. The venue of the proceedings and arbitration shall be Dehradun, INDIA.
21. Amendment(s) in the tender document required if any, will be made available in our website and accordingly, the prospective bidders are required to keep themselves updated till four days of tender opening.
22. The Director, Wadia Institute of Himalayan Geology, Dehra Dun (India) reserves the right to reject any or all tenders without assigning reasons thereof.

Yours faithfully,


02/09/2020

Store & Purchase Officer, for Director

Workstation. (with 24 GB Graphics Card) with the following specifications

Sl. No.	Features	Qualifying Minimum Requirements	Comply (Y/N)	Remark
1	Processor	2 x Intel Xeon 6240 2.6Ghz 18Core 24.75MB		
2	Chipset	Intel C622		
3	BIOS	BIOS of the Workstation to have tool for Enhanced security features like self healing, regular checks.		
4	RAM	512 GB DDR4 2933 Mhz, 24 DIMM Slots - all slots should be on motherboard itself. Workstation should support up to 3 TB Memory.		
5	Drive Controllers	Onboard 10-Channel 6Gbps SATA (RAID 0,1,5,10)		
6	Hard Disk/SSD	2x4TB SATA 7200 RPM HDD, 4 x 2TB SATA SSD		
7	Optical Drive	Slim SuperMulti DVD Writer		
8	Graphics Card	Nvidia Quadro RTX 6000 24GB Graphics card and system should support to addition two more RTX6000 24GB cards in future		
9	Bays	2 x External 5.25" 4 x Internal 3.5" Option to add up to 4 nos of M.2 SATA SSD System should be able to support a total of 16 drives along with a DVD drive.		
10	Slots	Minimum requirement: 4 x PCIe x16 Gen3 (with Dual socket Config) 1 x PCIe x8 Gen3 2 x PCIe x4 Gen3		
11	Ports	Front : 4 x USB 3.1 Rear : 6 x USB 3.1, 2 x 10G LAN ports		
12	Keyboard and Mouse	Minimum 104 keys USB Keyboard and USB Optical Scroll mouse - Same make as that of the workstation		
13	Audio	High Definition Integrated Audio with Internal speaker.		
14	Power Supply	High performance power supply with minimum 90% Efficiency.		
15	Chassis	Completely tool less chassis with handles in front and rear side. Provision for Kensington lock and Panel lock required. System should be rack-mountable.		

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16	Operating System	Bundled with Windows 10 Pro 64BIT and system should certified for Red Hat Enterprise Linux Desktop 7.4, SUSE Linux Enterprise Desktop 12 SP3, Ubuntu 16.04 LTS (or later versions) Hardware or Software based Remote Collaboration system which can help remotely access 3D data across network has to be supplied with the system.		
17	Remote Collaboration Solution	<ul style="list-style-type: none">- It should allow collaboration between multiple participants on an OpenGL 3D or DirectX applications.- It should support One to One for remote work and One to many for collaboration with keyboard and mouse control.- Application should be stateless and should not transfer actual data over the network.- Pixel information or images should be 128 SSL encrypted.- Should work on both Linux and Windows, and should be inter-operable.		
18	Additional Software	<ol style="list-style-type: none">1. The hardware vendor should supply an automatic system performance tuning and monitoring software on Windows.2. The tuning software should have modules for resource monitoring over a long period of time, and should be capable of showing GPU utilisation (GPU, Graphics memory and Codec activity) for both Graphics and GPU Compute cards.3. A complete Offline Diagnostics and Asset Discovery software suite should be supplied along with the system.		
19	Warranty	3 year OEM comprehensive onsite warranty		

Workstation (with 32 GB Graphics Card) with the following specifications

Sl. No.	Features	Qualifying Minimum Requirements	Comply (Y/N)	Remarks
1	Processor	2 x Intel Xeon 6240 2.6Ghz 18Core 24.75MB		
2	Chipset	Intel C622		
3	BIOS	BIOS of the Workstation to have tool for Enhanced security features like self healing, regular checks.		
4	RAM	512 GB DDR4 2933 Mhz, 24 DIMM Slots - all slots should be on motherboard itself. Workstation should support up to 3 TB Memory.		
5	Drive Controllers	Onboard 10-Channel 6Gbps SATA (RAID 0,1,5,10)		
6	Hard Disk/SSD	2x4TB SATA 7200 RPM HDD, 4 x 2TB SATA SSD		
7	Optical Drive	Slim SuperMulti DVD Writer		
8	Graphics Card	Nvidia Quadro GV100 32GB Graphics card and system should support to addition two more GV100 32GB in future		
9	Bays	2 x External 5.25" 4 x Internal 3.5" Option to add up to 4 nos of M.2 SATA SSD System should be able to support a total of 16 drives along with a DVD drive.		
10	Slots	Minimum requirement: 4 x PCIe x16 Gen3 (with Dual socket Config) 1 x PCIe x8 Gen3 2 x PCIe x4 Gen3		
11	Ports	Front : 4 x USB 3.1 Rear : 6 x USB 3.1, 2 x 10G LAN ports		
12	Keyboard and Mouse	Minimum 104 keys USB Keyboard and USB Optical Scroll mouse - Same make as that of the workstation		
13	Audio	High Definition Integrated Audio with Internal speaker.		
14	Power Supply	High performance power supply with minimum 90% Efficiency.		
15	Chassis	Completely tool less chassis with handles in front and rear side. Provision for Kensington lock and Panel lock required. System should be rack-mountable.		

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16	Operating System	Bundled with Windows 10 Pro 64BIT and system should be certified for Red Hat Enterprise Linux Desktop 7.4 , SUSE Linux Enterprise Desktop 12 SP3 ,Ubuntu 16.04 LTS (or later versions)		
17	Remote Collaboration Solution	<ul style="list-style-type: none">- Hardware or Software based Remote Collaboration system which can help remotely access 3D data across network has to be supplied with the system.- It should allow collaboration between multiple participants on an OpenGL 3D or DirectX applications.- It should support One to One for remote work and One to many for collaboration with keyboard and mouse control.- Application should be stateless and should not transfer actual data over the network.- Pixel information or images should be 128 SSL encrypted.- Should work on both Linux and Windows, and should be inter-operable.		
18	Additional Software	<ol style="list-style-type: none">1. The hardware vendor should supply an automatic system performance tuning and monitoring software on Windows.2. The tuning software should have modules for resource monitoring over a long period of time, and should be capable of showing GPU utilisation (GPU, Graphics memory and Codec activity) for both Graphics and GPU Compute cards.3. A complete Offline Diagnostics and Asset Discovery software suite should be supplied along with the system.		
19	Warranty	3 year OEM comprehensive onsite warranty		

Annexure-III

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Workstation specific Monitor 27" 4K UHD with the following specification and of the same OEM as Workstation

Sl. No.	Features	Qualifying Minimum Requirements	Comply (Y/N)	Remarks
1	Display Size (diagonal)	27" diagonally		
2	Display Type	IPS with LED backlight		
3	Viewing Angel	178° horizontal; 178° vertical		
4	Brightness	350 cd/m ² or better		
5	Contrast Ratio	1300:1 static; 5000000:1 dynamic (or better)		
6	Response Time	8 ms or better gray to gray		
7	Aspect Ratio	16:9		
8	Native Resolution	4K UHD (3840 x 2160 @ 60 Hz)		
9	Resolutions Supported	1024 x 768; 1280 x 1024; 1280 x 720; 1280 x 800; 1440 x 900; 1600 x 1200; 1600 x 900; 1680 x 1050; 1920 x 1080; 1920 x 1200; 2560 x 1440; 2560 x 1600; 3840 x 2160; 640 x 480; 720 x 400; 720 x 480; 800 x 600		
10	User Controls	Brightness; Color control; Contrast; Information; Management; PIP control; Power control; Input control; etc.		
11	Ports and Connectors	3 USB 3.0 (downstream); 1 USB Type-C (DisplayPort 1.2); 1 audio-out;		
12	Input Power	Input voltage 100 to 240 VAC		
13	Ergonomic Features	Tilt, Swivel: 90°; Pivot rotation: 90°		
14	Environmental	Arsenic-free display glass; Mercury-free display backlights; Low halogen		
15	Energy Efficiency Compliance	ENERGY STAR certified; EPEAT Gold registered		
16	Accessories	AC power cord; Display cable; USB Type-C to A cable		
17	Warranty	3 year OEM comprehensive onsite warranty		

Tender Conditions

SN	Desired Condition
1	Tender specific Authorisation letter from the OEM MUST be submitted along with the offer
2	OEM Verified Bill of Material with respective Part Numbers to be submitted along with offer
3	The Authorised Bidder should have proven capability to offer on site support in addition to support from the OEM. Also the items are to be installed and integrated with existing IT Setup as per user requirement.

Workstation specification		
1	Processor	Intel Xeon (10 core or higher) processor
2	Chipset	Intel Chipset
3	Memory	128 GB 2666 DDR4 ECC RAM
4	Memory slots	8 (or more)
5	Hard Disk	3 X 4 TB SATA HDD with integrated SATA 6.0 Gbps controller
6	Optical Drive	Slim DVD writer (internal)
8	Ports	Min. 4 USB 3.1 ports (2 in front)
9	Graphic card	8GB DDR5 (or higher) graphics card
10	Network	Internal On board Dual 10/100/1000 Mbps NIC
11	RAID support	RAID 0, 1, 10 with RAID Controller card
12	Others	Keyboard (OEM) and Mouse (OEM USB optical) of same brand of server.
13	Features	Pre-failure alert on Processors, memory, disk drives, power supplies, and fans; Automatic Server Restart
14	Sound	Integrated High Definition Audio
15	Security Features	Power-on password, administrator password, and Trusted Platform Module.
16	Monitor	Panel Size : 23.8" Widescreen or more Optimal Resolution : 1920 x 1080 (Full HD) Refresh Rate : 120Hz (3D Capable) Video Connectivity : DVI x 1, HDMI x 1
17	Form Factor	Tower
18	Operating System	Genuine Windows 10 Pro (64 Bit)
19	Warranty	03 years comprehensive onsite OEM warranty
20	UPS	APC/ Numeric brand 1.5 KVA offline UPS with 20 - 25 minutes backup, Minimum 01 year warranty including batteries.

