

Government of India
Bhabha Atomic Research Centre
Laser & Plasma Technology Division
Trombay, Mumbai -85

REF: WORKS/LPTD/DRB/2020/119254

Date: 18/11/2020

NOTICE INVITING TENDER

Fabrication, installation and commissioning of DVR and computer based surveillance system at PRIP shed Plasma Incineration facility

Due date: 30-11-2020

1. Sealed Quotations are invited, on behalf of "the President of India" by Head L&PTD, Bhabha Atomic Research Centre, Trombay, and Mumbai-400085 for the above file as per the scope of work described in Tender document.
2. Quotations are to be in printed letterhead / quotation format, which should consist of GST Registration Number registered with local ST authority / GST authority, PAN Number of the firm, etc. Quotations that are received in computer-generated form are to be construed as invalid and rejected.
3. The quotations are to be submitted only through Registered / Speed post through Indian Postal Service.
4. The price part shall be submitted with taxes and duties quoted separately.
5. The quotations must reach, *Head, Laser & Plasma Technology Division* by 16:00 hours due date and must be sent in a sealed envelope *superscribed* with the above reference number and due date given above.
6. The address on the envelope should read:
The Head,
Laser & Plasma Technology Division
Bhabha Atomic Research Centre,
Trombay, Mumbai - 400 085.

(Attn.: Devendra Bhale)
7. Income Tax @2%, surcharge, cess on Income Tax as applicable will be deducted from the payment made to the contractor.
8. Payment will be made after satisfactory completion of work. Payment will be released only through ECS.
9. Head, Laser & Plasma Technology Division, BARC, reserves the right to accept/reject any or all quotations without assigning any reason.

Yours faithfully,
Devendra Bhale
18/11/2020

Shri Mascarenhas M.L.
M. L. Mascarenhas
अध्यक्ष/Head
लेसर अँड प्लाज्मा प्रौद्योगिकी प्रभाग
Laser & Plasma Technology Division
भा.प.अ. केंद्र/B.A.R.C.

Annexure-B

Scope of the work: Fabrication and installation of following parts as per specifications

SL No	Scope of supply	Qty
1	8 channel High Definition Digital Video Recording system at 1080p resolution I. The camera recording system should be able to accept 8 channels of digital camera II. The system should have all standard accessories required for proper functioning to be supplied with it III. It should have wall mounting rack IV. adequate ventilation and cooling arrangement should be provided for 24*7 operation V. The vendor should demonstrate 8 days of 24*7 operation test report for qualification of system	01
2	Bullet HD camera 2.4 MP I. This should come with proper fixing arrangement suitable for any angle II. The camera should be capable of working in outdoor environment III. The camera should have 2.4MP resolution IV. The camera should be able to cover angle V. The camera should come with 20 meter cable	05
3	Dome HD camera 2.4 MP I. This should come with proper fixing arrangement at top II. The camera should be capable of working in outdoor environment III. The camera should have 2.4MP resolution IV. The camera should be able to cover a wide angle of viewing V. The camera should come with 20 meter cable	
4	Storage disk 1 TB dimensions: 132.08mm x 55.88mm x 173.99mm weight: 0.47kg Master carton dimensions: 231.90mm x 201.93mm x 140.97mm Should have SATA interface 7200 RPM	01
5	8 Channel SMPS 12V, 10 Amp for cameras I. Input power: 230V AC II. Output 12V, 10A III. Number of channel: 8 IV. Should be of industrial grade V. Should comply with Indian standards	01
6	4" * 4" PU box tray I. Material: PU II. Type: covered III. Size: 4" x 4" IV. Length: 2m at least V. Colour: white VI. Should be supplied with mounting fixtures VII. Mounting fixtures should be fixed at 30" gap VIII. The box trays have to be installed at site	35 m
7	BNC and DC connectors Each camera needs a 12V connection and gives out a data signal. The Connectors should be compatible with cable supplied The connectors should comply with relevant indian standard	25 set

8	CCTV 4+1 core copper cable, for open cabling The cable should have copper core and compatible with Indian standard	100m
9	Installation and commissioning: The entire camera monitoring system should be installed in BARC	1 set
10	32" LCD monitor: Refresh rate: 60Hz Brightness: < 500nits Mounting: wall Refresh rate: 50ms Should be compatible with DVR system	1
11	White LED illumination with fixtures for outdoor installation with 24*7 service 1. Equivalent to 500W incandescent lamp 2. Should come in the form factor suitable for top mounting 3. Should be compatible with Indian standards	7
12	Computer: Windows 10, Core i5- 10 th generation, 6MB L3 cache, 4 cores, Integrated SoC, 8 GB DDR4-2666 SDRAM (onboard), 512 GB PCIe NVMe M.2 SSD, optical drive not included, 13.3" diagonal, FHD (1920 x 1080), multi-touch-enabled, IPS, edge-to-edge glass, micro-edge, BrightView, 400 nits, 100% sRGB, UHD Graphics, one microSD media card reader.; Dual speakers; Audio Boost 2.0, Wide Vision HD camera with camera shutter and integrated dual array digital microphone. . Full-size, backlit, natural silver keyboard, Smart AC power adapter, 3-cell, 51 Watt hour Li-ion, Natural silver aluminum color Should be capable of completely configuring the DVR system. Should allow taking backup.	1
13	Installation of I. ¼ HP water pump, II. nebulizer, III. timer IV. other electrical accessories in the control panel V. mechanical fabrication of required supports for argon tubing and electrical power supplies VI. Installation of a Perspex box	1 set
14	Design, Fabrication and installation of mechanical supports to mount the cable tray, cameras, LCD monitor and DVR recording system	1 set