



**SWAMI VIVEKANAND NATIONAL INSTITUTE OF REHABILITATION TRAINING  
AND RESEARCH**

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Ref-AD-5/BOQ/CCTV/DA/PMRD//23-24  
Date-12.03.24

**GEM BOQ BID DOCUMENT FOR PROCUREMENT OF CCTV**

**GENERAL INSTRUCTIONS AND TERMS & CONDITIONS OF TENDER DOCUMENT**

**Bidders can participate in GEM BOQ Bid in GEM site those are registered seller of GEM.**

**All rules & regulations of bid are as per default conditions and procedure of GEM.**

**A. FOLLOWING DOCUMENTS TO BE UPLOADED.**

SI	Name of documents
1	GST Certificate
2	Pan Card
3	Aadhar card
4	Last quarter/month GST 3B receipt.
5	IT return for 22-23/23-24
6	Bidder turnover certificate mentioning UDIN Number of CA.
7	Experience certificate in GEM and in same type of item supply and installation preferably in Govt Organization.
8	MSME certificate if any & MII certificate (mandatory).
9	Technical Bid details as per Annexure-I (mandatory)
10	Compliance Statement as per Annexure-II (mandatory)
11	Declaration as per Annexure-III (mandatory)
12	Bank Account details, (mandatory)
13	OEM authorization of items as required. ( mandatory)
14	Declaration/undertaking for warranty of product.

**Annexure-I (Technical bid details format).**

Sl. No.	Information required	Information to be provided by the bidder
1	Name of the firm/ organization	
2	Whether the organization is proprietorship/ partnership/ Pvt. Ltd./ Ltd. Company	
3	Local/present Address,	
4	Mobile No. & Whatsap No. and E-mail. Id of the proprietor/firm/contact person..	
4	If the head office other than in (3) above, then give the address for the same	

**Annexure-II (FORMAT OF COMPLIANCE STATEMENT) -MANDATORY**

Name of Items	Required Specification	Whether complied to the required specification YES/NO	Write brand of items to be supplied.
1	2	3	4
16 channel NVR	As per bid document		
2Mp fixed Bullet and Dome IP based CCTV camera	-do-		
10TB surveillance grade HDD	-do-		
Indoor UTP Cat 6 cable of 305 mtrs box for Exam hall	-do-		
9U rack with all accessories	-do-		
POE switch	-do-		
Display Unit	-do-		
10TB surveillance grade HDD	-do-		
Online UPS	-do-		
Wireless optical mouse	-do-		
HDMI cable	-do-		

### **Annexure-III (DECLARATION FORMAT)**

I/we ..... having my/our office at ..... do hereby declare that I/we have carefully read all the terms & conditions of GEM BOQ BID of the SVNIRTAR, Olatpur, Bairoi, Dist-Cuttack, Odisha-754010 ..... I will abide by all terms and conditions set forth in the tender paper and GEM for the period of agreement.

Signature of Bidder

#### **A. Terms & Conditions**

- **As per default terms & condition of GEM.**
- Materials will be delivered and installed at SVNIRTAR during working hours and on working days only. If the consignee is changed, it will be informed by mail or clarification/ATC in the bid.
- If any items are not accepted, they may be replaced within seven days otherwise they will be rejected.
- If the price of any items or total amount of order is more than our estimate value, excess amount items may be rejected, or total bid may be cancelled.
- Work will be treated as ok if it is accepted by the indenting department.
- Installation/demonstration is the responsibility of supplier. No extra cost will be paid for it.
- Warranty certificates may be submitted along with materials.
- Supplier must attend the call for maintenance of any defect of equipment/materials within warranty period.
- Defects in equipment/materials must be replaced/repared within seven days and equipment must be ok.
- Bidders may submit leaflets and details specification of materials to be supplied.
- **MSME certificate will be accepted for exemption of EMD if bidder is the manufacturer of the bid items otherwise bidder will deposit EMD.**

**B. General Terms and Conditions.**

**1. Right to reject all bids**

**The authority reserves the right to accept/reject and cancel any bid.**

2. **Terms of delivery.** Delivery of materials and installation work will be done in the working hours and within the knowledge of Engineer I/C.
3. **Scope of work:** - *Supply and installation of all items mentioned in the compliance statement and list of required specification with all installation materials, PVC box, power point charger etc testing, commissioning of cable laying with PVC pipe to all cameras, switches, patch panel, back box. Rack etc. After installation it should be tested and demonstrated for successful running of all cameras. CCTV surveillance will be installed at Examination hall of Academic Block and PMRD 100 bedded annex building consisting of G+2. Installation and view point will be located by the Engineer-I/C. All work will be done in coordination and supervision of Engineer-I/C. Before installation of materials, it should be verified and certified by the Engineer-I/c. Challan of all installation materials and installation report and warranty card must be submitted in stores department duly signed by Engineer-I/C. Work will be completed as per instruction of the Engineer-I/C.*
4. **Minimum two years of warranty shall be assured by the selected vender.**
5. Bidder must submit the OEM's declaration certificate regarding their genuinely, have their own manufacturing setups and IPR for the CCTV Camera mentioning details about OEM for future contact if required.

**C. Standard Terms and conditions**

- a. The Service Provider must quote by considering the location(s) and other accessories necessary for successful completion of the supply, installation and services under the scope of work.
- b. The Service Provider is advised to see the site conditions and nature of job and acquaint themselves with the site condition before submission of bid. No claim on this account shall be entertained at a later date.
- c. All tools, tackles, machines, plants and all other equipment's relevant to the work shall be arranged by the bidder and cost with respect to the same shall be borne by bidder alone.
- d. The Labourers/Supervisor shall be arranged by the bidder at his cost for the work.
- e. The bidder has to transport his material/accessories, equipment's and other tools etc. on his own cost.

- f. Bidder shall follow the safety rules of the buyer's organization.
- g. Bidder's personnel while working at the location shall follow all the safety precautions to prevent any accident. The bidder shall be fully responsible for any mishaps, loss, damages caused by his men during the working either to his men or to buyer's property. The buyer reserves all the rights for recovery of appropriate amounts from his bill/security deposit to compensate such losses.

<b>Requirement of materials</b>				
<b>Sl</b>	<b>Items</b>	<b>A/U</b>	<b>Qty</b>	<b>Remarks</b>
1	16 channel NVR	No	02	One for Exam hall and one for PMRD Annex building
2	2 MP IP based Dome and bullet CCTV camera	No	30	For PMRD annex building and Exam hall. Dome-28 nos and Bullet-2 nos.
3	Surveillance grade HDD of Exam Hall	No	01	10TB HDD for Exam hall
4	Surveillance grade HDD of PMRD	No	01	10 TB HDD for PMRD
5	Indoor UTP Cat 6 cable of 305 mtrs box for Exam hall	Box	04	For Exam Hall and PMRD
6	9U rack with all accessories	No	02	For Exam hall and PMRD
7	24 port POE switch of 193 watt	No	02	For Exam hall and PMRD
8	Display Unit for Exam hall	No	02	42" LED for Exam hall and PMRD
9	Online UPS	No	02	One for Exam hall and one for PMRD Annex building
10	Wireless optical mouse	No	02	One for Exam hall and one for PMRD Annex building
11	10 mtr HDMI cable	No	02	One for Exam hall and one for PMRD Annex building

<b>Specification of NVR</b>	
Control Mode	Desktop Client, Mobile Client, and Local client (Through HDMI)
OS	Embedded Linux
Processor	ARM cortex- Quad Core
<b>VIDEO AND AUDIO</b>	
Video-Input	16 IP channels
Video Output	HDMI (2.0) – 1 Port (Main)
Video Compression	H.265/H.264/ Motion JPEG

<b>DISPLAY</b>	
Recording Resolution	Up to 12MP
Decoding Resolution (on local display)	4K, 2K, 1080p, 720p, D1, CIF
<b>PLAYBACK AND BACKUP</b>	
Synchronous Playback	4 channels
Search Mode	Date & Time, Camera, Recording Type, Recording Drive
Playback Modes	Fast Forward, Slow Forward, Slow Reverse, Fast Reverse at Different Speed Control, Next-Previous Frame
Backup	Manual Backup & Scheduled backup
Configuration Backup	Required
Remote Operations	Monitor, PTZ Control, Playback, System Setting, File Download, Log Information, Upgrade
<b>DEVICE STATUS</b>	
Camera status, Manual recording, Scheduled recording, Alarm recording, Adaptive recording	Required
<b>STORAGE</b>	
SATA Interface	2 SATA III (10TB per port)
Recording Retention	Camera-wise, HDD usage % wise, Day wise
<b>INTERFACES</b>	
Network Interface	2 Ports x Ethernet (RJ-45) 10/100/1000Mbps
USB	3 ports (2 x USB 2.0, 1x USB 3.0)
Number of SATA Interface	2 Ports (SATA III)
HDMI	HDMI (2.0) – 1 Port (Main)
<b>ELECTRICAL AND MECHANICAL</b>	
Chassis	19" Rackmount
Power consumption (without Harddisk)	≤20W
<b>CCTV camera Specification</b>	
<b>Image Sensor</b>	½.8" Progressive Scan, Backlight illuminated CMOS Sensor
	Note: The bidder must state the Make and model of the sensor to ensure the authenticity of the component. the bid would be disqualified if the sensor used is not as mentioned by the bidder
<b>Maximum Resolution</b>	2 MP (1920 x 1080), 4Mp (2560x1440)
<b>Lens Type</b>	2.8 mm fixed lens
<b>Minimum Illumination</b>	Colour - 0.01 Lux @ (F1.2 AGC ON)
	Monochrome - 0 Lux

<b>Day/Night Camera Switching</b>	Automatic/ Manual/ schedule
<b>Built-in IR irradiance up to</b>	30 m
<b>Noise Reduction</b>	2 DNR, 3 DNR
<b>Adaptive streaming</b>	Should reduce the FPS and Bitrate during no activity period.
<b>Network Failure recording</b>	In case of Network failure, the Camera shall start recording on NAS, which can be retrieved back when the network connectivity restores (if VMS belongs to same brand)
<b>MAC Address</b>	The Mac Address of the Camera shall be registered in the name of the OEM.
<b>Ethernet</b>	10Base-T/100BaseTX Ethernet (RJ-45)
<b>Specification of RACK</b>	
500mm Width, 450mm Depth, Wall Mount Networking Enclosure	
It should be welded construction with steel frame	
Lockable tough ended glass front door	
19" mounting angle made of formed steel	
Powdered coated standard finish	
Top & Bottom welded cover with vented & cable entry exit cut outs	
2 pair of 19" mounting rails, 1U Cable Manager	
230V AC, 6 way, 5 Amp Power Distribution Unit	
Mounting Hardware	
All active product & passive products including Racks should be from same OEM.	

**Specification of Display Unit**

Display: LED full HD, 1920x1080 pixels, 60 Hz Refresh Rate, Connectivity: 2 HDMI | 1 USB | Wi-Fi, Sound: 10 W Speaker, ONSITE 3 Years warranty. Display unit will be connected with NVR as required. Supplier will provide all required installation materials. LG/Samsung/Sony is preferred.