

TENDER SPECIFICATION OF CCTV SYSTEM FOR BNS PATENGA (PSYCHIATRIC WARD)

1. **Name.** CCTV System with Accessories.
2. **Purpose.** CCTV System shall be used in (Psychiatric Ward) of BNS PATENGA for security and surveillance.
3. **Quantity.** 01 (One) Set.
4. **Manufacturing Details.**
 - a. Country of Origin (Camera and NVR) : USA/UK/EU Countries/China(Global).
 - b. Country of Manufacturer : To be mentioned.
 - c. Year of Manufacture : 2026 or later.

5. **Bidder's Identity and Qualification.**

- a. **Bidder (Full Name and Address).** Name and full address with e-mail of bidder/ local agent to be mentioned.
- b. **Bidder Qualification.** Bidder shall be an authorized dealer/ distributor/ business partner (appointed by the manufacturer) or a reseller (appointed by an authorized dealer/ distributor/ business partner) of major equipment (Camera and/or NVR) manufacturer. Authorization/authenticity certificate by manufacturer or authorized dealer is to be submitted with the offer. From OEM, necessary documentary proofs of authorized dealership/ agency ship/ partnership are to be submitted.
- c. **Trade License.** Bidder should have valid trade license in related works (renewed up to June 2026).
- d. **Enlistment.** The bidder shall be an enlisted bidder of NSSD Dhaka/ NSD Khulna/ NSD Chattogram.
- e. **Experience.** The bidder shall have at least 02 (two) major clients in defence/ govt/ corporate sector as proof his/her experience in supply of such system. Such list of clients along with documentary evidence shall be submitted with the offer.
- f. Necessary local and national licenses to operate and install security systems.

6. **Source of Supply.**

- a. Source of supply: To be mentioned.
- b. Port of shipment: To be mentioned (if imported).

7. **Scope of Supply.**a. **Main Equipment.**

Ser	Item Name	Deno	Qty
1.	4 MP Bullet IP Camera or better with adapter	No	04
2.	NVR 8 Channel 8 Bay or better	No	01
3.	LED 32" Monitor for CCTV	No	01
4.	HDD 4 TB	No	01
5.	8 port Gigabit Manageable (PoE) Network Switch	No	01
6.	On line UPS 1 KVA	No	01

b. **Accessories and Installation Materials.**

Ser	Item Name	Deno	Qty
1.	UTP Cable Cat-6 (01 box 305 mtr)	Box's	01
2.	HDMI Cable (10 Mtr)	No	01
3.	Electric Cable, Connector RJ 45, GI Wire, PVC Pipe Channel, Flexible pipe, MK Box, Electric channel, Saddle Screw, Royal Plug, Cable tie Clip, Elbow	As required	

- c. **System Layout Diagram.** System layout diagram on completion of the test/ trail.
- d. **Spare Package.** The bidder is to offer essential spares for 02 years trouble free operation.

e. **Manual.** 02 sets of manuals (English Language) shall be provided with the sys. at the time of delivery:

- (1) Operating Manual.
- (2) Technical Manual with Parts Catalogue.
- (3) Installation Manual including system Installation layout and control room layout.

f. **Software Backup.** Bidder shall provide all related software of monitoring system to purchaser in CD/ DVD along with step-by-step installation instructions.

g. **Local Training.** The bidder shall provide the training syllabus to DNIT 10 (ten) days before the training schedule (hardcopy and softcopy). Local training on operation and maintenance shall be arranged by the bidder at user premises (BNS PATENGA, Chattogram) for duration of 02 working days after installation and test/ trial. The participant shall be a group of user personnel who will operate and maintain the system.

8. **Technical Specification.**

a. **System Features.**

- (1) The monitoring system shall be 'Turn Key' project for bidder and user.
- (2) The system shall be a fully scalable system with network video server and hardware devices.
- (3) The devices of monitoring system shall be integrated to run as a complete system using software and hardware interface. NVR shall have extra IP port having feature of sending video from one Geo location to another Geo location through intranet/ internet.
- (4) The monitoring system shall have design feature to run 24/7 in 365 days and shall have video recording facilities in central location to record (Format-1080p, H.264@30fps), store and replay video for at least 30 days.
- (5) Recording system shall support mass storage (i.e 20 Mb per minute per camera X 60 X 24 X 30 X 4 = approx 4 TB per month).

b. **Specification of 4MP Bullet IP Camera.**

Ser	Description	Requirement
1.	Type of Camera	Day and Night Out Door High Range Bullet IP Camera with adapter
2.	Brand	To be mentioned
3.	Model	To be mentioned
4.	Country of origin	USA/UK/EU Countries/China (Global)
5.	Manufacturing Country	To be mentioned
6.	Resolution	4MP (2560 x 1440) or more
7.	Image Sensor	1/3"- 1/2.7" progressive scan super low lux CMOS or better
8.	Lens	Varifocal lenses with remote zoom and focus
9.	Night Vision	a. IR illumination with a range of at least 30 meter b. Low-light performance (minimum 0.01 lux)
10.	Housing	a. IP67-rated weatherproof housing for outdoor cameras b. IK10-rated vandal-resistant housing for all cameras
11.	Features	a. Wide Dynamic Range (WDR) b. Motion detection c. Intrusion detection d. Tamper detection e. Audio recording (optional, subject to local regulations) f. Smart analytics (face recognition, people counting, object removal detection)

c. **Specification of Network Video Recorder (NVR) 8 Channel.**

Ser	Description	Requirement
1.	Brand	To be mentioned
2.	Model	To be mentioned
3.	Country of Origin	USA/UK/EU Countries/China (Global)
4.	Country of Manufacturing	To be mentioned
5.	Number of IP Channel	8 Channel or more
6.	Decoding format	H.265/H.264/H.264/H.265+
7.	Supported Resolution	4MP, 1080p, 720p, 4CIF, 2CIF, CIF

8.	Storage rate	30 fps or more
9.	HDD Interface	8 Bay or more
10.	Video Recording Res	8 MP, 6MP, 5MP, 4MP, 1080P, UXGA, 720P, VGA
11.	Live View/ Playback Resolution	Up to 12MP high-definition live view
12.	Capacity	Minimum 10TB capacity for each bay
13.	Storage Support	Upto 20TB
14.	Power supply	100 to 240 VAC, 50 to 60Hz
15.	Software Management	1. ONVIF supports different platform software 2. Support for live view and control from browser (Edge, firefox, Chrome), Mobile App

d. **Specification of LED 32" Monitor for CCTV.**

Ser	Description	Requirement
1.	Brand	To be mentioned
2.	Model	To be mentioned
3.	Country of Origin	Japan/South Korea/Taiwan/USA
4.	Country of Manufacturing	To be mentioned
5.	Input & output	VGA, HDMI, USB, WiFi
6.	Input power supply	AC 110-240V 50/60 Hz

e. **Specification of Hard Disk 4 TB.**

Ser	Description	Requirement
1.	Brand	To be mentioned
2.	Model	To be mentioned
3.	Country of Origin	To be mentioned
4.	Country of Manufacture	To be mentioned
5.	RPM	5400
6.	Buffer	256 MB
7.	Interface (Built –in)	SATA 6 GB/S or better

f. **Specification of 8 port Gigabit Manageable (PoE) Network Switch.**

Ser	Description	Requirement
1.	Brand	To be mentioned
2.	Model	To be mentioned
3.	Country of Origin	To be mentioned
4.	Country of Manufacture	To be mentioned
5.	Inputs/Ports	8 Ports PoE or More
6.	Power Supply	To be Mentioned
7.	Standard Power	To be mentioned

g. **Specification of 1 KVA Online UPS.**

Ser	Description	Requirement
1.	Brand	To be mentioned
2.	Model	To be mentioned
3.	Country of Origin	To be mentioned
4.	Country of Manufacturing	To be mentioned
5.	Capacity	1 KVA
6.	Frequency	50Hz
7.	Efficiency	>95%
8.	Protection	Over load and over Voltage, Short circuit Spike Surge etc.
9.	Backup Time	Minimum 30-45 Minute at full load
10.	UPS Battery	To be mentioned

g. **Cables.** The bidder will assess and provides sufficient network cable, power cable, video cables and fiber optic cable for monitoring system as per IEEE/ IEC standard.

9. **Accessories and Installation Material.** All standard accessories of above-mentioned items and installation materials such as cables, junction's boxes, brackets, nuts, bolts, cable channels, securing tie clips, slips, channels etc shall be provided by the bidder. Any Item is not mentioned in this tender but shall be required for installation works to be quoted by the bidder. The bidder is to submit the list of accessories and installation materials and installation work (if any) to be provided mentioning the brand, model, manufacturer and relevant technical information. Bidders may collect the user layout diagram and other necessary information from purchaser office (DNIT, NHQ, DHAKA, Mobile: 01769-702343).

10. **Installation and Supervision.**

- a. CCTV system shall be installed at (Psychiatric Ward) of BNS PATENGA, Chattogram.
- b. Installation work-schedule, project layout design and documents including Installation drawings, Installation instruction, system layout, control room layout etc shall be prepared and supplied to user by the bidder before 02 weeks of installation works.
- c. A qualified manufacturer's/ bidder representative is to supervise the installation works along with purchaser's staff.

11. **Acceptance.**

- a. **Acceptance of Installation Material.** After signing the contract, bidder may supply the installation items/material along with list as mentioned in the contract. CINS, Chattogram will inspect the item in coordination with user representative and may allow the bidder to start the installation works such as construction of camera fixing pole, cable laying, control room setup etc. But the acceptance of the item shall be given after test and trial of the complete system.
- b. **Test and Trial.** System test/trial shall be completed within the delivery period mentioned in the contract. A standard test procedure shall be developed by the bidder in consultation with user and test report shall be submitted to CINS with a copy to DNIT (NHQ)
- c. **Final Acceptance.** Final acceptance shall be given by CINS after satisfactory test/trial of the complete systems by user.

12. **Warranty.**

- a. A warranty certificate is to be submitted for at least 12 months from the date of acceptance of the items after satisfactory test/trial and acceptance by the ACINS.
- b. If any defect/discrepancy arises within warranty period, then the respective item is to be replaced at free of cost provided including freight within 15 (fifteen) days from the date of notification of the same to the bidder.
- c. Warranty period shall be extended for the same amount of time, the subject item remains non-optional.
- d. The warranty services shall include the followings:
 - (1) To ensure the monitoring equipment is free from bugs and errors and remains fully functional.
 - (2) To ensure necessary trouble shooting as and when required.
 - (3) To provide technical support assistance (on call/ online/ on site) as required.
 - (4) To update the items software subscription (if needed) during the warranty period.
- e. The Bidder shall provide on-call support by competent engineers/ technicians to maintain hardware, software and network troubleshooting or major fault or failure in the NVR system.
- f. The bidder may need to disconnect any existing camera or setup new camera or establish new connections in the system.

13. **Guarantee of Supply of Spares.** The bidder shall comply with the assurance to give guarantee of continued supply of spares for at least 10 (Ten) years at a reasonable price.

14. **Certification.**

- a. Authorization/authenticity certificate by manufacturer or authorized dealer with offer from OEM.
- b. Certificate of warranty with offer and time of delivery of items.
- c. Authenticity Certificate from exporter for major imported item (such as camera, NVR) mentioning new and genuine item, country of origin, source of supply and year of manufacture.

15. **Price Quotation.** The bidder should quote price (in BDT) according to scope of supply with unit price and requirement as stated in the tender documents confirming to the technical specifications. The quoted price should include all government taxes (VAT, AIT etc).

16. **Terms of Payment.** Payment will be made in local currency as per the following:

- a. 95% of the cost will be made after acceptance by purchaser.
- b. 5% of the cost will be made on completion of warranty period.

17.

Delivery of Item.

- a. Delivery Time: 60 days from the date of purchase order
- b. Delivery Point: NSD, Chattogram.
- c. Consignee for air shipment:

Officer in Charge
 Naval Stores Sub Depot, Dhaka
 Naval Unit, Khilkhet
 Namapara, Dhaka-1229

Or

- d. Consignee for shipment by Sea:

Commanding Officer
 Naval Store Depot Chattogram
 New Mooring, Chattogram.

18. Site Visit and Pre-bid Discussion. Bidders must visit user premises (BNS PATENGA, Chattogram) for assessing the actual requirement such power source, camera location and fixation, provision of cable laying, control room location, installation challenges etc before submitting the offer. The bidder may discuss with the user as part of a pre-bid meeting after floating this tender. For the site visit and discuss, bidders may contact with focal point person. Bidder shall submit a logical layout diagram showing the distance and hardware/ component with the offer (Mandatory).

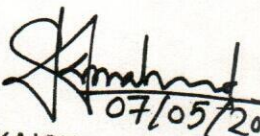
19. Breach of Data Security. The bidder shall undertake utmost measures to preserve the integrity of user data, records and IT facilities. For any breach of such integrity due to bidder activities, the bidder will be liable and subject to compensation and legal measures as applicable.


20. Compliance Statement. A clear and complete compliance statement of the tender supported by the product catalogue with necessary specification and drawing/ diagram will be submitted for evaluation of the quotation. Incomplete compliance statement will attribute to cancellation of the offer. If any clause of this specification does not commensurate with offered item practically, the deviation has to be mentioned clearly.

21. Validity of Offer. The offer shall remain valid for at least 06 (six) months from the date of submission of the tender.


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