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**OFFICE OF THE
SUPERINTENDENT SPECIAL PRISON
NARA HYDERABAD**

No. TR. /05/2017

Dated: - /05/2017

TENDER NOTICE

(Through Website SPPRA)

Sealed bids are invited according to Single Stage Two Envelope Procedure as per SPPRA Rules 2010 (amended up to Date) from the Authorized Persons / Contractors / Firms and General Order suppliers duly registered with Income Tax/Sales Tax & other applicable taxes (Federal/Provincial) for supply & installation of following articles during the current fiscal year 2016-2017.

| S.No | Name of Items | Quantity | Tender Fee |
|------|----------------------------------------------------------------|----------|------------|
| 01 | Night Vision CCTV IP Camera 3MP | 12 | Rs.1000/- |
| 02 | Laser CCTV IP Camera 2 Mega Pixel Speed Dome including Bracket | 01 | |
| 03 | 8 Port 10/100/1000 Network Switches | 08 | |
| 04 | LED TV 40" | 02 | |
| 05 | 16 Channel NVR 10/100/1000 | 02 | |
| 06 | Hard Disk / Disk Storage 2 TB | 02 | |
| 07 | Service / Installation with material charges | - | |

- i. Bid documents containing details i.e. bid security, performance security, terms & conditions, evaluation criteria, quantity and specifications etc can be obtained from the office of the Superintendent Special Prison Nara Hyderabad up to **30/05/2017** from the date of first publication of tender notice in SPPRA Website. Tender fee of items as mentioned above will be in cash (non-refundable).
- ii. Bid document of above mentioned articles shall be received back on **01/ 06 /2017 upto 11:00 a.m** (complete in all respect) by hand only at the Office of the Superintendent Special Prison Nara Hyderabad and shall be opened on the same day i.e. on **01/06/2017 at 12:00 noon** by the Procurement Committee, in presence of bidders who intends to be present or through their representative. In case, any public holiday falls due to any reason on the opening day of bids, then it shall be received and opened on the next working day, at the given time and venue.
- iii. Bid Security amounting to **02%** of Bid price must be submitted along with Bid in shape of pay order in favor of the Superintendent Special Prison Nara Hyderabad, issued by any scheduled bank of Pakistan.
- iv. Bid documents of aforesaid items are available at SPPRA website i.e. www.pprasindh.gov.pk
- v. Tender Notice (NIT) is also available at SPPRA website (www.pprasindh.gov.pk).
- vi. The bidder who gets the bid document by downloading from website must attach tender fee in shape of pay order as mentioned above.
- vii. Conditional Bid / application will not be entertained.
- viii. Any further information, if needed, may be obtained from the Office of Superintendent Special Prison Nara Hyderabad on any working day during Office hours or on phone No. 022-9250117.
- ix. The Procuring Agency may increase or decrease quantity of the items as per rules.
- x. The Procuring Agency may reject all or any bid at any time prior to the acceptance of a bid, subject to the relevant provisions of SPPRA rules 2010 (amended up to date).


SUPERINTENDENT
SPECIAL PRISON NARA HYDERABAD

ANNUAL PROCUREMENT PLAN
(WORKS, GOODS & SERVICES)
FINANCIAL YEAR 2016-17

| S.# | Description of Procurement | Estimated Unit Cost (where applicable) | Estimated total cost | Funds Allocated | Source of Funds (ADP / Non ADP) | Proposed Procurement Method | Timing of Procurements | | | |
|-----|----------------------------------------------------------------------------------------|----------------------------------------|----------------------|-----------------|-------------------------------------------------------------------------|-------------------------------------|------------------------|---------|---------|-------------------------|
| | | | | | | | 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr |
| 1 | Supply & Installation of night vision CCTV IP Cameras at Special Prison Nara Hyderabad | - | 450,000/- | 450,000/- | Provision of Fund in Revised Estimate 2016-17 (4 th Quarter) | Single Stage Two Envelope Procedure | N/A | N/A | N/A | 4 th Quarter |



(SHAHNAWAZ SAAND)
 SUPERINTENDENT
 SPECIAL PRISON NARA HYDERABAD



BID DOCUMENT
Single Stage Two Envelope Procedure

**SUPPLY & INSTALLATION OF NIGHT VISION CCTV IP
CAMERA**

Name of bidder _____

No. SB/_____ R.T NO. _____ Dated ____/____/2016-2017

GOVERNMENT OF SINDH

Telephone # 022-9250117

**OFFICE OF THE SUPERINTENDENT SPECIAL PRISON NARA
HYDERABAD**

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Part-I

Telephone # 022-9250117

**OFFICE OF THE SUPERINTENDENT SPECIAL PRISON NARA
HYDERABAD**

NOTICE INVITING BIDS

Sealed bids are invited according to Single Stage Two Envelope Procedure as per SPPRA Rules 2010 (amended upto Date) from the Authorized Persons / Contractors / Firms and General order suppliers duly registered with Income Tax/Sales Tax & other applicable taxes (Federal/Provincial) for supply & installation of Night Vision CCTV Cameras along with necessary articles during the current fiscal year 2016-2017.

Interested firms / companies / bidders may obtain the tender documents (single stage two envelope procedure) for supply of above mentioned articles from the Office of the Superintendent Special Prison Nara Hyderabad up to **30/05/2017** from the date of first publication of tender notice in SPPRA Website by submitting application on their letterhead alongwith non refundable tender fee **Rs.1000/-** in cash for bid document.

Bid documents will be received back up to **01/06/2017 at 11:00 am** at the Office of the Superintendent Special Prison Nara Hyderabad along with **2% bid security** of the total bid price in the shape of pay order / demand draft in favour of Superintendent Special Prison Nara Hyderabad along with following relevant papers and will be opened on the same day i.e. on **01/06/2017 at 12:00 noon** by the Procurement Committee in presence of bidders who wish to be present or through their representative. If any holiday falls due to any reason on the opening day of bids, it will be opened on next working day at the given time and venue.

1. Company Name, Postal Address, Contract Phone Number, Email Address and Company Profile.
2. Financial Status (turn-over of at least last three years).
3. National Tax Number, Professional and Sales Tax Registration & Other applicable taxes.
4. List of customer references (**by highlighting the users of same unit**).
5. Affidavit declaring that the contractor is not involved in any litigation or not black listed.
6. Any other Relevant Document.

Only bids offered on the prescribed Bid form issued by the Superintendent Special Prison Nara Hyderabad shall be accepted. However additional sheets may be attached, if required.

Any further information needed, may be obtained from the Office of Superintendent Special Prison Nara Hyderabad on any working day during Office hours on phone No.022-9250117.

The Procuring Agency reserves the right to reject all or any bid subject to the relevant provision of SPP Rules 2010 (amended upto date)

Part-II

INSTRUCTIONS:

Scope of work:

Camera. **Commissioning, demonstration, Supply & Installation of Night Vision CCTV IP**

Bidder has to submit following information:

- a. Extended Warranty for Six (06) Months for CCTV Cameras & allied Devices & one (1) year for I.ED Tv.
- b. Recommended running hours of CCTV Cameras & Accessories for routine service.
- c. Availability of spare parts backup & documentary evidence to be competent to provide after sale service.

Part-III

SPECIAL TERMS AND CONDITIONS:

1. **Submission of Bids:**

- a. Bids must be submitted under a proper letter mentioning important points / enclosures.
- b. Bids should be submitted under Single-Stage-Two-Envelope procedure in a sealed package.
- c. For preparation of Bid, interested Bidders are authorized to visit the site for necessary report but procuring agency would not be charged for this purpose.
- d. The bid shall comprise a single package containing two separate envelopes. Each Envelope shall contain separately the Technical Proposal and the Financial Proposal With following documents / information noted against each:-

| | |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. TECHNICAL PROPOSAL: | (Bidding documents in original, earnest money, details of specifications of respective offering item alongwith catalogues and dealership certificate. Sales Tax and Income Tax certificate etc) |
| 2. FINANCIAL PROPOSAL: | (Rate of respective item including all taxes / charges whatsoever). |

- e. No conditional offer shall be accepted.
- f. Sealed Bids should be addressed to:
The Superintendent Special Prison Nara Hyderabad, Sindh.

2. **Bid Security:**

- a. A bid should accompany Bid Security @ rate of 2% of bid cost in shape of Pay order/Demand Draft
- b. A bidder offering more than one option / alternative / brand of the same machine / item / product, should purchase separate bidding documents.

- c. Bid security of unsuccessful bidders will be returned after signing of contract or expiry of bid validity period.
- d. Bid security shall be forfeited in case a bidder withdraws his bid during validity of bids or fails to fulfill conditions of tender in any way, or – in case of a successful bidder – fails to fulfill pre-contract or post-contract requirements.

3. Quantity:

Quantity of advertised items can be increased or decreased or any item(s) can be included / excluded / dropped as per availability of funds.

4. Specifications of machines / goods:

Bidders should provide the following:

- a. Complete specifications: make, model, origin, and full technical information, as per proforma given in the bid document.
- b. In case of a machine manufactured in one country and assembled in another country, clear information may be provided of the parts which are manufactured in the country of assembled.
- c. Complete set of necessary literature (catalogues / brochures).
- d. Affidavit on non-judicial stamp paper – or company letterhead:
 - The bidder is not blacklisted by any government or semi government organization.
 - The machine quoted is new in all respects and there is not 2nd hand/low quality material or part / accessory in the machine.

5. Price:

- a. Price should be quoted in Pak Rupees, including all taxes, duties, charges and inclusive packing / freight till delivery at the office of the Superintendent Special Prison Nara Hyderabad and offer shall be valid up to / /2017.
- b. Bidder must offer rates of all the items mentioned in Bill of Quantities (BOQ). Lowest bid will be accepted only of the bidder who's offer lowest rates of the package (BOQ).

6. Company Profile and Eligibility of bidder:

The bidders should submit the following documents with Technical Proposals.

- a. Relevant experience and managerial capability.
- b. Valid dealership certificate of the principal.
- c. Proof of workshops, stock of spares and technical staff in Pakistan.
- d. Two sets of Brochures.

7. Contract & Stamp duty:

0.3 % will be paid by successful bidders as stamp duty to be fixed on the agreement and contract will be signed within 15 days from the date of receipt of work / supply order.

8. Sample, Demonstration and Inspection:

The Procuring Agency may ask bidder to show demonstration of the product after opening of Technical Proposal on same day.

Part-IV

GENERAL TERMS AND CONDITIONS:

1. **Clarification:** A bidder shall not alter or modify the bid after the bids have been opened. Procurement Committee may, however, seek or accept clarification to the bid that does not change the substance of the bid.
2. **Delivery & Installation** shall be made in **07 days** of the contract is signed. Extension in period of delivery can be given on reasonable grounds.
3. **Liquidated Damages (L.Ds):** The Superintendent Special Prison Nara Hyderabad shall impose L.Ds @ 0.25% per week (to the maximum of 10% of the total value) on delayed delivery.
4. **Grievance Redressal:** Any bidder feeling aggrieved by any act of Procurement Committee, may lodge written complaint concerning his grievances to the Grievance Redressal Committee.
5. **The Procuring Agency** may reject all or any bid by assigning reason as per SPP Rules 2010 (amended upto date).

Part-V

BIDDING DATA

1. **Name of Procuring Agency:** Superintendent Special Prison Nara Hyderabad.
2. **Brief Description of Works:** Supply & Installation of Night Vision CCTV IP Camera along with necessary articles at Special Prison Nara Hyderabad.
3. **Procuring Agency's address:** Office of the Superintendent Special Prison Nara Hyderabad, Sindh.
4. **Currency:** Bid shall be quoted entirely in Pak Rupees. The payment shall be made in Pak Rupees.
5. **Literature:** Bidder must provide with bid photographs, catalogues, illustration and such other information as is necessary to illustrate clearly the significant characteristics such as general construction dimensions and other relevant information about the works to be performed.
6. **Amount of Bid Security:** 2% of bid cost.

7. **Period of Bid Validity:** 90 days counted from date of opening.
8. **Number of Copies of the Bid to be submitted:** One original.
9. **Procuring Agency's Address for the Purpose of Bid Submission:** Same as above.
10. **Deadline for Submission of Bids:** Date: **01/06/2017** Time: **11:00 am.**
11. **Venue, Time and Date of Bid Opening:** Office of the Superintendent Special Prison Nara Hyderabad Date: **01/06/2017**, Time: **12:00 noon.**
12. **Responsiveness of Bids:**
 - (i) Bid is valid till required period.
 - (ii) Bid prices are firm during currency of contract / price adjustment.
 - (iii) Completion period offered is within specified limits.
 - (iv) Bidder is eligible to Bid and possesses the requisite experience, capability and qualification.
 - (v) Bid does not deviate from basic technical requirement and
 - (vi) Bids are generally in order, etc.
13. **Performance Security:** The successful bidder shall furnish performance security **05%** of the total value of bid in shape of pay order / demand draft in favour of Superintendent Special Prison Nara Hyderabad.

Part-VI

POST EVALUATION STEPS:

1. Notification of award and signing the contract:

Superintendent Special Prison Nara Hyderabad shall send to the successful bidder a Purchase Order (PO) / Letter of Acceptance (LoA) and sign contract with the bidder.

2. Performance Security:

- a. The successful bidder shall furnish a Performance **Security** issued by a scheduled Bank in Pakistan before signing of contract @ rate of **05%** of bid cost valid for 6 months beyond completion date as mentioned at **Part V condition No.13**.
- b. The Performance **Security** will be released after satisfactory performance of contract and Performance of the Machine / Equipment for 6 months.
- c. The Performance **Security** is liable to be forfeited in the event of failure on part of the supplier in fulfilling the terms of contract any breach thereof, or the item / machine supplied is found deficient in any particular as to workability, quality and quantity.

3. Warranty & After Sale Services:

The bidder shall provide the following:

- a. Installation and commissioning of the machine / equipment and initial operational training to Special Prison Nara Hyderabad personnel for a suitable period.
- b. Warranty for a maximum period of 06 months for Cameras & One year for LED and free of cost after sale service during the period of Warranty that will include: repair, replacement and maintenance of parts & travel to site.
- c. Assurance of the availability of spares for minimum period of 06 months after the warranty.

Part-VII

DECLARATION ON PART OF THE BIDDER

We, M/s _____ hereby affirm and declare that we have read all the contents of this Bid Document and the same are fully acceptable to us. We have adhered to the Bid Document while framing our Bid.

Signature of Bidder: _____

Name of Signatory: _____

Designation: _____

Seal: _____

Part - VIII

ARTICLES OF AGREEMENT

This Agreement made this _____ day of _____ 2017, by and between the Superintendent Special Prison Nara Hyderabad, hereinafter called the "Party No.1", of the one part, And _____

(Name and Designation of the authorized person)

of _____

located at _____

hereinafter called the "Party No.2" which expression shall include their successor, legal representatives of the second part.

Whereas the Party No.1 requires the stores and related services for Special Prison Nara Hyderabad, and whereas the Party No.2 has agreed to supply, install, put into operation and demonstrate the working of the said stores valued at _____

(Amount in figures and words)

in the period of _____ days / months, subject to the terms and conditions set forth, hereinafter, which have been accepted by the Party No.2.

Now this Agreement witnessed as follows:

1. In this agreement works and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents which, for the purpose of identification, have been signed by _____

(name and designation of the authorized person)

on behalf of the **Party No.2**, and by Superintendent Special Prison Nara Hyderabad (Party No.1), all of which shall be deemed to form and be read and construed as a part of this **Agreement** viz:

- a) Invitation of Bid;
- b) Instructions;
- c) Special Terms and Conditions
- d) General Terms and Conditions
- e) Bidding Data
- f) Post Evaluation Steps
- g) Declaration on Part of the Bidder
- h) Articles of Agreement
- i) Specifications of Items
- j) Bill of Quantities (BOQ) – (Financial Proposal)

3. In consideration of the payment to be made to the **Party No.2** hereby **covenants** with the Superintendent Special Prison Nara Hyderabad to supply, deliver, install, put into operation and demonstrate the working of the stores in conformity in all respects of the Contract.
4. The **Superintendent Special Prison Nara Hyderabad** hereby **covenants** to pay the contractor in consideration of the supply, delivery, installation, putting into operation and demonstration of the working of the equipment the contract price in the manner prescribed by the contract and approved by the Superintendent Special Prison Nara Hyderabad.

In witness There of the parties have hereinto set their respective hands and seals. the day month and year above written.

*SUPERINTENDENT
SPECIAL PRISON NARA HYDERABAD*

WITNESSES OF PARTY NO.1:

Witness No. 1: Signature _____

Name: _____

Designation: _____

witness No. 2: Signature: _____

Name: _____

Designation: _____

CONTRACTOR

WITNESSES OF PARTY NO.2:

Witness No. 1: Signature: _____

Name: _____

Designation: _____

Witness No. 2: Signature: _____

Name: _____

Designation: _____

Part-IX

SPECIFICATIONS OF ITEMS

| S# | Name of Article | Requirement | | | | | | | | | | | | | | | |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|-----------|-----------|----------|--------|------------|-----------|-----------|----------|--------|------------|-----------|-----------|----------|--|
| 01 | <p align="center">Night Vision CCTV IP Camera</p> <p>3MP Night Vision IP Camera Specification</p> | 12 | | | | | | | | | | | | | | | |
| Camera | | | | | | | | | | | | | | | | | |
| Image Sensor | 1/3" 3Megapixel progressive CMOS | | | | | | | | | | | | | | | | |
| Effective Pixels | 2304H)x1536(V) | | | | | | | | | | | | | | | | |
| RAM/ROM | 256MB/16MB | | | | | | | | | | | | | | | | |
| Scanning System | Progressive | | | | | | | | | | | | | | | | |
| Electronic Shutter Speed | Auto/Manual, 1/3(4)~ 1/100000s | | | | | | | | | | | | | | | | |
| Minimum Illumination | 0.1Lux/F2.0(Color) 0Lux/F2.0(IR on) | | | | | | | | | | | | | | | | |
| S/N Ratio | More than 50dB | | | | | | | | | | | | | | | | |
| IR Distance | Distance up to 30m(98ft) | | | | | | | | | | | | | | | | |
| IR On/Off Control | Auto/ Manual | | | | | | | | | | | | | | | | |
| IR LEDs | 18 | | | | | | | | | | | | | | | | |
| Lens | | | | | | | | | | | | | | | | | |
| Lens Type | Fixed | | | | | | | | | | | | | | | | |
| Mount Type | Board-in | | | | | | | | | | | | | | | | |
| Focal Length | 3.6 mm | | | | | | | | | | | | | | | | |
| Max. Aperture | F2.0/F2.0 | | | | | | | | | | | | | | | | |
| Angle of View | H:98°/77° , V:51°/41° | | | | | | | | | | | | | | | | |
| Focus Control | Fixed | | | | | | | | | | | | | | | | |
| Close Focus Distance | N/A | | | | | | | | | | | | | | | | |
| DORI Distance | <table border="1" data-bbox="487 1193 1344 1317"> <thead> <tr> <th data-bbox="487 1193 649 1227">Lens</th> <th data-bbox="649 1193 812 1227">Detect</th> <th data-bbox="812 1193 974 1227">Observe</th> <th data-bbox="974 1193 1136 1227">Recognize</th> <th data-bbox="1136 1193 1344 1227">Identify</th> </tr> </thead> <tbody> <tr> <td data-bbox="487 1227 649 1261">2.8 mm</td> <td data-bbox="649 1227 812 1261">58m(190ft)</td> <td data-bbox="812 1227 974 1261">23m(75ft)</td> <td data-bbox="974 1227 1136 1261">12m(39ft)</td> <td data-bbox="1136 1227 1344 1261">6m(20ft)</td> </tr> <tr> <td data-bbox="487 1261 649 1317">3.6 mm</td> <td data-bbox="649 1261 812 1317">73m(240ft)</td> <td data-bbox="812 1261 974 1317">29m(95ft)</td> <td data-bbox="974 1261 1136 1317">15m(49ft)</td> <td data-bbox="1136 1261 1344 1317">7m(23ft)</td> </tr> </tbody> </table> | Lens | Detect | Observe | Recognize | Identify | 2.8 mm | 58m(190ft) | 23m(75ft) | 12m(39ft) | 6m(20ft) | 3.6 mm | 73m(240ft) | 29m(95ft) | 15m(49ft) | 7m(23ft) | |
| | Lens | Detect | Observe | Recognize | Identify | | | | | | | | | | | | |
| | 2.8 mm | 58m(190ft) | 23m(75ft) | 12m(39ft) | 6m(20ft) | | | | | | | | | | | | |
| 3.6 mm | 73m(240ft) | 29m(95ft) | 15m(49ft) | 7m(23ft) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| PTZ | | | | | | | | | | | | | | | | | |
| Pan/Tilt Range | Pan:0° ~360° ,Tilt:0° ~90° ,Rotation:0° ~360° | | | | | | | | | | | | | | | | |
| Video | | | | | | | | | | | | | | | | | |
| Compression | H.264+/H.264 | | | | | | | | | | | | | | | | |
| Streaming Capability | 2 Streams | | | | | | | | | | | | | | | | |
| Resolution | 3M(2048×1536)/2304×1536/ 1080P(1920×1080)/720P(1280×720)/D1(704×576)/540P(640×480)/ CIF(352×288)/352×240 | | | | | | | | | | | | | | | | |
| Frame Rate | 3M(1 ~ 20fps)/2M(1 ~ 25/30fps) | | | | | | | | | | | | | | | | |
| | D1/CIF(1 ~ 25/30fps) | | | | | | | | | | | | | | | | |
| Bit Rate Control | CBR/VBR | | | | | | | | | | | | | | | | |
| Bit Rate | H264 24K ~ 8192Kbps | | | | | | | | | | | | | | | | |
| Day/Night | Auto(ICR) / Color / B/W | | | | | | | | | | | | | | | | |
| BLC Mode | BLC / HLC / D-WDR | | | | | | | | | | | | | | | | |
| White Balance | Auto/Natural/Street Lamp/Outdoor/Manual | | | | | | | | | | | | | | | | |
| Gain Control | Auto/Manual | | | | | | | | | | | | | | | | |

| | | |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------|
| Noise Reduction | 3D DNR | |
| Motion Detetion | Off / On (4 Zone, Rectangle) | |
| Region of Interest | Off / On (4 Zone) | |
| Electronic Image | Support | |
| Smart IR | Support | |
| Digital Zoom | 16x | |
| Flip | 0°/90°/180°/270° | |
| Mirror | Off / On | |
| Privacy Masking | Off / On (4 Area, Rectangle) | |
| Audio | | |
| Compression | N/A | |
| Network | | |
| Ethernet | RJ-45 (10/100Base-T) | |
| Protocol | HTTP;HTTPs;TCP;ARP;RTSP;RTP;UDP;SMTP;FTP DHCP;DNS;DDNS;PPPOE;IPv4/V6;QoS;UPnP;NTP Bonjour;802.1x;Multicast;ICMP;IGMP | |
| Interoperability | ONVIF, PSIA, CGI | |
| Streaming Method | Unicast / Multicast | |
| Max. User Access | 10 Users/20 Users | |
| Edge Storage | NAS(Network Attached Storage) Local PC for instant recording | |
| Web Viewer | IE, Chrome, Firefox, Safari | |
| Management Software | Smart PSS, DSS, Easy4x | |
| Smart Phone compatibility | iPhone, iPad, Android Phone | |
| Certifications | | |
| Certifications | CE (EN 60950, 2006) UL:UL60950-1 FCC: FCC Part 15 Subpart B | |
| Electrical | | |
| Power Supply | DC12V PoE (802.3af)(Class 0) | |
| Power Consumption | <7.5W | |
| Environmental | | |
| Operating Conditions | -30° C ~ +60° C (-22° F ~ +140° F) Less than 95% RH | |
| Storage Conditions | -30° C ~ +60° C (-22° F ~ +140° F) Less than 95% RH | |
| Ingress Protection | IP67 | |
| Vandal Resistance | N/A | |
| 02 | Laser CCTV IP Camera 2 Mega Pixel Speed Dome including Bracket | 01 |
| Specification | | |
| Image Sensor | Diagonal 405 mm (type 1/4) | |
| Min. Illumination | 659 (H)x494(V) approx. 330K pixels 692 (H)x504(V) approx. 350K pixels | |
| Shutter time | 1/3 to 1/100000 s | |
| Lens | 4 mm @ F2.0 (6mm, 16mm optional) angle of view : 85° 4 mm @ F2.0 (6mm, 16mm optional) angle of view : 70° | |

| | |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lens Mount | M12 |
| Day & Night | ICR |
| Digital Noise Reduction | 3D DNR |
| Wide Dynamic Range | Digital DNR |
| Compression Standard | |
| Video Compression | H.264/MJPEG |
| H.264 Codec Profile | Main Profile |
| Bit Rate | 32 KBPS~12 MBPS |
| Dual Stream | Yes |
| Image | |
| Max Image Resolution | 1920x1080 |
| Frame Rate | 50hz:25fbps(1920x1080), 25 fbps (1280x960) 25fps (1280x720) 60hz 25fbps (1920x1080) 30fbps (1280x960) 30fps (1280x720) |
| Backlight Compensation | Yes Zone optional |
| ROI | Support |
| Network | |
| Network Storage | NAS |
| Alarm Trigger | Motion detection tampering alarm Network Disconnect, IP address conflict, instruction detection, line crossing detection, storage full, storage Error |
| Protocols | TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP, RTSP,RTCP,PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X, QOS,IPV6,BONJOUR |
| System Compatibility | ONVIF,PSIA,CGLISAPI |
| General Functionalities | User Authentication, water mark, IP address Filtering, Anonymous access |
| Interface | |
| Communication interface | 1RJ45 10M/ 100M Earthnet Interface |
| General | |
| Operating Conditions | -30C ~ 60C (-22F ~ 140F) Humidity 95% or less (non-condensing) |
| Power Supply | 12 VDC 10% POE(802.3af) |
| Power Consumption | -I3:max. 5.5w, -I5: max 7w, -I8: max 10w |
| Ingress Protection | |
| IP Range | -I3 1pcs EXIR LED, upto 30m, I5 2pcs EXIR LED, upto 50 m , I8 4pcs EXIR LEDs up to 80m |
| Dimensions | 299.71mmx86.40mmx85.11mm (11.8"x3.4" X 3.35" |
| Zoom | 30xZoom High Speed |

03

Supply & Installation of 8 Port 10/100/1000 Network Switches

08

SPECIFICATIONS:**Hardware Features**

| | |
|--------------------------|----------------------------------------------------------------|
| Standards and Protocols | IEEE 802.3i/802.3u/ 802.3ab/802.3x |
| Interface | 8 10/100/1000Mbps RJ45 Ports AUTO Negotiation/AUTO MDI/MDIX |
| Fan Quantity | Fanless |
| Power Consumption | Maximum: 4.63W (220V, 50Hz) |
| External Power Supply | External Power Adapter (Output: 5VDC / 0.6A) |
| Jumbo Frame | 15 KB |
| Switching Capacity | 16 Gbps |
| Dimensions (W x D x H) | 7.1 x 3.5 x 1.0 in. (180 x 90 x 25.5 mm) |

SOFTWARE FEATURES

| | |
|-------------------|-------------------|
| Transfer Method | Store and Forward |
| MAC Address Table | 4K |

| | | | |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| | Advanced Functions | Green Technology 802.3X Flow Control, Back Pressure | |
| | OTHERS | | |
| | Certification | FCC, CE, RoHS | |
| | System Requirements | | |
| | Environment | Operating Temperature: 0 ~40 (32 ~104); Storage Temperature: -40 ~70 (-40 ~158); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing | |
| | <u>Hard Disk /Storage Disk</u> | | |
| 04 | Specifications: Size 2048 GB/02 Tera Bytes Suitable for Desktop or Server PCs SATA 6Gb/s Interface Boosts Performance Large 2TB Capacity & 7200 RPM Spin Speed OptiCache Technology & 64MB Cache SmartAlign & AcuTrac Technology Accurate Read/Write to Nano-Sized Tracks Advanced Power Modes for Saving Energy Free Disc Wizard Software | | 02 Nos |
| | <u>LED TV 40"</u> | | |
| 05 | Features/Specification Size 40" Penal Type Full HD Resolution 1920*1080 Power Consumption 70 W Viewing Angle 178/178 Refresh Rate 60Hz Contrast Ratio 4000:1 Colors 16.7 M(8bit) Warranty 01 Year CONNECTIVTIY HDMI 2 Component IN AV IN AV OUT SPDIF OUT Headphone OUT USB Port 2 Dimensions Dimensions with stand W x HxD (mm) 1083*136*650 | | 02Nos. |
| 06 | <u>16 Channel Network Video Recorder</u> | | 02 Nos |
| | Specifications: | | |
| | <i>Video/Audio Input</i> | | |
| | IP video input: | 16-ch | |
| | Two-way audio input: | 1-ch, RCA (2.0 Vp-p, 1kΩ) | |
| | <i>Network</i> | | |
| | Incoming bandwidth: | 160Mbps | |



Telephone No. 021-99231418
Fax #: 021-99231084
Email: sindhprisons@gmail.com

**OFFICE OF THE
INSPECTOR GENERAL OF PRISONS, SINDH**

Pir Illahi Buksh Road Muslimabad, Karachi.

No.SB-1/ 11558 / 64 Dated: 16 MAY

ORDER

In pursuance of Rule No.7 & 31 of Sindh Public Procurement Regulatory Authority 2010 (amended upto date), the following Committees are hereby constituted for procurement machinery & equipment for Special Prison Nara Hyderabad and Redressal of Grievances Settlement of Disputes” to address the complaints of bidders that may occur during the procurement proceedings for Special Prison Nara Hyderabad during the current financial year 2016-2017.

i. Committee for Procurement of Machinery & Equipment.

| | | |
|------|------------------------------------------------------|-----------------------|
| i. | Superintendent, Special Prison Nara Hyderabad | Head of the Committee |
| ii. | Additional Deputy Commissioner-I, Hyderabad | Member |
| iii. | Deputy Superintendent, Special Prison Nara Hyderabad | Member |

ii. Committee for Redressal of Grievances and Settlement of Disputes of Machinery & Equipment.

| | | |
|------|------------------------------------------------------|-----------------------|
| i. | Deputy Inspector General of Prisons Hyderabad Region | Head of the Committee |
| ii. | District Accounts Officer, Hyderabad | Member |
| iii. | Superintendent, District Prison Nausheroferoze | Member |

The abovementioned Committees shall observe the rules & regulations relating to procurement as well as Redressal of Grievances and Settlement of Disputes according to Sindh Public Procurement Regulatory Authority 2010 (amended upto date).

(NUSRAT HUSSAIN MANGAN)
INSPECTOR GENERAL OF PRISONS
SINDH KARACHI

Copy forwarded for information & necessary action to:

1. The Deputy Inspector General of Prisons Hyderabad Region.
2. The Superintendent, Special Prison Nara Hyderabad.
3. The Superintendent, District Prison Nausheroferoze.
4. The Deputy Superintendent, Special Prison Nara Hyderabad.
5. The Additional Deputy Commissioner -I, Hyderabad.
6. The District Accounts Officer, Hyderabad.

(NUSRAT HUSSAIN MANGAN)
INSPECTOR GENERAL OF PRISONS
SINDH KARACHI

| | |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Outgoing bandwidth: | 80Mbps |
| Remote connection: | 128 |
| Video/Audio Output | |
| HDMI/VGA output: | 1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz |
| Recording Resolution: | 6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF |
| Frame Rate: | Main stream: 50 fps (P) / 60 fps (N) Sub-stream: 50 fps (P) / 60 fps (N) |
| Audio Output: | 1-ch, RCA (Linear, 1kΩ) |
| Synchronous Playback: | 16-ch |
| Decoding | |
| Live view / Playback: | 6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF |
| Capability: | 16-ch@4CIF, 12-ch@720P 6ch@1080P |
| Hard Disk | |
| SATA: | 2 SATA interfaces for 2 HDDs |
| Capacity: | Up to 4TB for each disk |
| External Interface | |
| Network Interface: | 1RJ-45 10/100/1000Mbps self-adaptive Ethernet interface |
| USB Interface: | 1 × USB 2.0 and 1 × USB 3.0 |
| Alarm In: | 4-ch |
| Alarm Out: | 1-ch |
| POE | |
| Interface: | 16 independent 100 Mbps PoE network interfaces |
| Max. Power: | 120W |
| Supported Standard: | AF and AT |
| General | |
| Power Supply: | 100~240W AC |
| Consumption(without hard disk and POE): | ≤ 10W |
| Working Temperature: | -10 °C ~ +55 °C (+14 °F ~ + 131 °F) |
| Working Humidity: | 10 % ~ 90 % |
| Chassis: | 19 inch rack-mounted IU chassis |
| Dimensions: | 445 × 290 × 45mm (17.5 × 11.4 × 1.8 inch) |
| Weight(without HDD): | ≤ 1 kg (2.2lb) |
| 07 | Service & Installation with material Charges incidental to aforementioned items |

BILL OF QUANTITIES (BOQ) – (FINANCIAL PROPOSAL)

| S# | Item & Description | Qty | Rate per Unit | Rate in Figures & Words including Taxes | | Total Amount |
|---------------------|----------------------------------------------------------------|-----|---------------|-----------------------------------------|-------|--------------|
| | | | | Rate | Taxes | |
| 1. | Night Vision CCTV IP Camera | 12 | | | | |
| 2 | Laser CCTV IP Camera 2 Mega Pixel Speed Dome including Bracket | 01 | | | | |
| 3 | 8 Port 10/100/1000 Network Switches | 08 | | | | |
| 4 | 16 Channel NVR 10/100/1000 | 02 | | | | |
| 5 | LED TV 40" | 02 | | | | |
| 6 | Hard Disk / Storage Drive 2 TB | 02 | | | | |
| 7 | Service / Installation with material charges | - | | | | |
| Grand Total: | | | | | | |

Name, Signature & Stamp of Bidder