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OFFICE OF THE
SUPERINTENDENT DISTRICT PRISON
NAUSHAHRO FEROZE

No. TR.02 of 2017

Dated: - 20/04/2017

To

The Managing Director,
Sindh Public Procurement Authority,
Sindh, Karachi.

SUBJECT: **NIT REGARDING PROCUREMENT OF CCTV CAMERAS**

Please find enclosed herewith subject NIT along with following tender documents for uploading/hoisting on authority's website.

1. Notice inviting Tender
2. Notification/ Order for constitution of "Procurement Committee".
3. Notification/ Order for constitution of "Complaint Redressal Committee"
4. Bidding documents complete
5. Annual Procurement Plan
6. Original Pay Order of Rs.2,000/- in favor of Sindh Public Procurement Regulatory Authority

It is requested that the above tender documents may please be uploaded on authority's website at the earliest, please.

(SYED MUNAWWAR ALI SHAH)
SUPERINTENDENT
DISTRICT PRISON NAUSHAHRO FEROZE

2622
21-04-17



Telephone No. 0242-920190
Email: dpnferoze123@gmail.com

**OFFICE OF THE
SUPERINTENDENT DISTRICT PRISON
NAUSHAHRO FEROZE**

No. TR/ 01 of 2017

Dated: - 20/04/2017

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 District Prison Naushahro Feroze up to **05/05/2017** 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 **06/ 05 /2017 upto 11:00 a.m** (complete in all respect) by hand only at the Office of the Superintendent District Prison Naushahro Feroze and shall be opened on the same day i.e. on **06/05/2017 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 District Prison Naushahro Feroze, 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 District Prison Naushahro Feroze on any working day during Office hours or on phone No. 0242-920190.
- 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)

(SYED MUNAWWAR ALI SHAH)
SUPERINTENDENT
DISTRICT PRISON NAUSHAHRO FEROZE



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/ 7813/18

Dated: 3/4/17

ORDER

In pursuance of Rule No.7 as prescribed in Sindh Public Procurement Act 2009 and Sindh Public Procurement Regulatory Authority 2010 (amended 2013), the following Committee are constituted for the procurement of machinery & equipment and Drug / medicine & Medical Equipment for District Prison Nausheroferoze during the current financial year 2016-2017.

Procurement Committee for Machinery & Equipment ✓

i.	Superintendent, District Prison Nausheroferoze	Head of the Committee
ii.	Divisional Forest Officer, Nausheroferoze	Member ✓
iii.	Deputy Superintendent, District Prison Nausheroferoze	Member ✓

Procurement Committee for Drugs / Medicine & Medical Equipment.

i.	Superintendent, District Prison Nausheroferoze	Head of the Committee
ii.	Deputy Director Information, District Nausheroferoze	Member
iii.	Medical Officer, District Prison Nausheroferoze	Member

The Procurement Committee shall follow the rules & regulations relating to procurement as prescribed in Sindh Public Procurement Act 2009 and Sindh Public Procurement Regulatory Authority 2010 (amended 2013).

(NUSRAT HUSSAIN MANGAN)
INSPECTOR GENERAL OF PRISONS
SINDH KARACHI

Copy forwarded for information & necessary action to:

1. The Deputy Inspector General of Prisons Sukkur Region.
2. The Superintendent, District Prison Nausheroferoze.
3. The Deputy Superintendent, District Prison Nausheroferoze.
4. The Medical Officer, District Prison Nausheroferoze.
5. The Deputy Director Information, District Nausheroferoze.
6. The Divisional Forest Officer, Nausheroferoze.

(NUSRAT HUSSAIN MANGAN)
INSPECTOR GENERAL OF PRISONS
SINDH KARACHI



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/ 7819/22

Dated: 3/4/2017

ORDER

In pursuance of Rule No.31 of Sindh Public Procurement Regulatory Authority 2010 (amended 2013), a Committee known as "Redressal of Grievances and Settlement of Disputes" to address the complaints of bidders that may occur during the procurement proceedings for the prisons of Sukkur Region consisting of following officers is constituted with immediate effect for the financial year 2016-2017.

i.	Deputy Inspector General of Prisons Sukkur Region	Head of the Committee
ii.	District Accounts Officer, Sukkur ✓	Member
iii.	Executive Engineer, Provincial Buildings Division Sukkur ✓	Member

(NUSRAT HUSSAIN MANGAN)
INSPECTOR GENERAL OF PRISONS
SINDH KARACHI

Copy forwarded for information & necessary action to:

1. The Deputy Inspector General of Prisons Sukkur Region.
2. The Superintendent Prisons all in Sukkur Region.
3. The District Accounts Officer, Sukkur.
4. The Executive Engineer, Provincial Buildings Division Sukkur.

(NUSRAT HUSSAIN MANGAN)
INSPECTOR GENERAL OF PRISONS
SINDH KARACHI

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 CCTV Cameras at District Prison Naushahro Feroze for security purpose	-	-	450,000/-	Provision of Fund in Revised Estimate (4 th Quarter)	Single Stage Two Envelope Procedure	N/A	N/A	N/A	4 th Quarter


 (SYED MUNAWWAR ALI SHAH)
SUPERINTENDENT
 DISTRICT PRISON NAUSHAHRO FEROZE

DISTRICT PRISON NAUSHAHRO FERENZE



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

OFFICE OF THE SUPERINTENDENT DISTRICT PRISON
NAUSHAHRO FEROZE

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Part-I

Telephone # 0242-448639, 920190, email: dpnferoze123@gmail.com

OFFICE OF THE SUPERINTENDENT DISTRICT PRISON
NAUSHAHRO FEROZE

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 District Prison Naushahro Feroze up to **05/05/2017** 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 **06/05/2017 at 11:00 am** at the Office of the Superintendent District Prison Naushahro Feroze along with **2% bid security** of the total bid price in the shape of pay order / demand draft in favour of Superintendent District Prison Naushahro Feroze along with following relevant papers and will be opened on the same day i.e. on **06/05/2017 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 District Prison Naushahro Feroze shall be accepted. However additional sheets may be attached, if required.

Any further information needed, may be obtained from the Office of Superintendent District Prison Naushahro Feroze on any working day during Office hours on phone No.0242-920190.

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:

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

Bidder has to submit following information:

- a. Extended Warranty for Six (06) Months for CCTV Cameras & allied Devices & one (1) year for LED 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 District Prison Naushahro Feroze, 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 District Prison Naushahro Feroze 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 District Prison Naushahro Feroze shall impose LDs @ 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 District Prison Naushahro Feroze.
2. **Brief Description of Works:** Supply & Installation of Night Vision CCTV IP Camera along with necessary articles at District Prison Naushahro Feroze.
3. **Procuring Agency's address:** Office of the Superintendent District Prison Naushahro Feroze, 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: **06/05/2017** Time: **11:00 am**.
11. **Venue, Time and Date of Bid Opening:** Office of the Superintendent District Prison Naushahro Feroze Date: **06/05/2017**, 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 District Prison Naushahro Feroze.

Part-VI

POST EVALUATION STEPS:

1. Notification of award and signing the contract:

Superintendent District Prison Naushahro Feroze 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 District Prison Naushahro Feroze 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 District Prison Naushahro Feroze, 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 District Prison Naushahro Feroze, 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 District Prison Naushahro Feroze (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 District Prison Naushahro Feroze 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 District Prison Naushahro Feroze** 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 District Prison Naushahro Feroze.

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

***SUPERINTENDENT
DISTRICT PRISON NAUSHAHRO FEROZE***

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	<u>Night Vision CCTV IP Camera</u> 3MP Night Vision IP Camera Specification																	
	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="479 1120 1380 1433"> <thead> <tr> <th>Lens</th> <th>Detect</th> <th>Observe</th> <th>Recognize</th> <th>Identify</th> </tr> </thead> <tbody> <tr> <td>2.8 mm</td> <td>58m(190ft)</td> <td>23m(75ft)</td> <td>12m(39ft)</td> <td>6m(20ft)</td> </tr> <tr> <td>3.6 mm</td> <td>73m(240ft)</td> <td>29m(95ft)</td> <td>15m(49ft)</td> <td>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)
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	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)(2304×1296)/ 1080P(1920×1080)/720P(1280×720)/D1(704×576/704×480)/ CIF(352×288/352×240)																	
Frame Rate	3M(1 ~ 20fps)/2M (1 ~ 25/30fps)s																	
	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 / DWDR																	

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,Easy4ip
Smart Phone compatibility	iPhone, iPad, Android Phone
Certifications	
Certifications	CE (EN 60950:2000) 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

Laser CCTV IP Camera 2 Mega Pixel Speed Dome including Bracket

Specification

Image Sensor	Diagonal 405 mm (type ¼)
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
Alaram 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,CGL,ISAPI
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

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

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
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System Requirements

Environment	Operating Temperature: 0°C~40°C (32°F~104°F); Storage Temperature: -40°C~70°C (-40°F~158°F); Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing
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Hard Disk /Storage Disk

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

LED TV 40"

Features/Specification

Size 40"
 Panel 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
 CONNECTIVITY
 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.

16 Channel Network Video Recorder

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
Outgoing bandwidth:	80Mbps
Remote connection:	128
<i>Video/Audio Output</i>	
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
<i>Decoding</i>	
Live view / Playback:	6MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Capability:	16-ch@4CIF, 12-ch@720P 6ch@1080P
<i>Hard Disk</i>	
SATA:	2 SATA interfaces for 2 HDDs
Capacity:	Up to 4TB for each disk
<i>External Interface</i>	
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
<i>POE</i>	
Interface:	16 independent 100 Mbps PoE network interfaces
Max. Power:	120W
Supported Standard:	AF and AT
<i>General</i>	
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)

06

02 Nos

07 **Service & Installation with material Charges incidental to aforementioned items**

Part-X

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