

٢ **SUPPLY, INSTALLATION, COMMISSIONING AND
PROVISIONING**

OF

**VIDEO SECURITY AND SURVEILLANCE SYSTEM
FOR MALIR CANTT GATE VI – PARDA PAK & ISLAMIA
COLLEGE, LYARI EXPRESSWAY – ABUL HASSAN
ISPHAHANI ROAD BRIDGE, DISCO BAKERY – DHACCA
SWEETS, CHAPPEL GARDEN - WHITE HOUSE SCHEME
KARACHI**

TENDER DOCUMENT



2014

**INFORMATION TECHNOLOGY DEPARTMENT
KARACHI METROPOLITAN CORPORATION**



KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

GENERAL CONDITIONS OF THE CONTRACT

Tender for : "Supply & Installation of Video Security and Surveillance System for Malir Cantt Gate VI – Parada Pak & Islamia College, Lyari Expressway – Abul Hassan Isphahani Road bridge, Disco Bakery – Dhacca Sweets, Chappel Garden - White House Scheme" Karachi

Issued to M/s.	
On	
Pay Order No. Date / Drawn from / Amount (Cost of Tender Non Refundable).	
Dropping of Tender	08-04-2014 at 11:00 am
Opening of Tender	08-04-2014 at 11:30 am

Issuing Authority

N.B

The bidder is expected to examine the Bidding Documents, including all instructions, forms, terms, specifications and charts/drawings. Failure to furnish all information required by the Bidding documents or submission of a Bid not substantially responsive to the Bidding Documents in every respect would result in the rejection of the Bid.

Definitions

In this Contract, the following terms shall be interpreted as indicated:

"Commencement Date of the Contract" means the date of signing of the Contract between the Purchaser and the Contractor.

"Contract" means the agreement entered into between the Purchaser and the Contractor, as recorded in the Contract Form signed by the parties, including all Schedules and Attachments thereto and all documents incorporated by reference therein.

"Contract Price" means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligations.

"Contractor" means the individual or firm whose bid has been accepted by the Purchaser and the legal successors, in title to the Contractor.

"Contract Value" means that portion of the Contract Price adjusted to give effect to such additions or deductions as are provided for in the Contract, which is properly apportionable to the Software or Services in question.

"Purchaser" means the Information Technology Department, Karachi Metropolitan Corporation - Pakistan.

"Services" means services, such as testing, training and other such obligations of the Contractor covered under the Contract.

"Works" means all Software / Hardware to be provided and services to be rendered & work to be done by the Contractor under the Contract.

"SPPR 2010" means Sindh Public Procurement Rules 2010.

"SPPRA" means Sindh Public Procurement Regulatory Authority established under Section 3 of Sindh Public Procurement Act, 2009.

INVITATION TO BID

Information Technology Department of Karachi Metropolitan Corporation, (hereinafter referred to as Purchaser), invites sealed bids from eligible bidders for **"Video Security and Surveillance System for Malir Cantt Gate VI – Parda Pak & Islamia College, Lyari Expressway – Abul Hassan Isphahani Road Bridge, Disco Bakery – Dhacca Sweets, Chappel Garden - White House Scheme Karachi"**.

Tender Bids in sealed envelopes as per information are required. Suppliers applying for bids should submit duplicate Financial Proposal and Technical Proposal in two separate envelopes with clear marking of "Technical Proposal" and "Financial Proposal" as per Single Stage - Two Envelope process of SPPR 2010. The interested bidder must have valid NTN also. Only Income Tax, Sales Tax registered and PEC registered firms are eligible to participate.

1. The Technical Proposal should contain all the bid items without quoting the price and must list firm's clientele, resumes / CV's of the engineering team. Financial bids of Firms not obtaining minimum passing criteria on Technical basis will not be opened.
2. All bids must be accompanied by an earnest money 2.0% of total bid amount, and must be accompanied with the financial offer. Bid without bid security of required amount and prescribed form shall be rejected.
3. Information Technology Department KMC will not be responsible for any costs or expenses incurred by bidders in connection with the preparation or delivery of bids.
4. The Bid prices and rates are fixed during currency of contract and under no circumstance shall any contractor be entitled to claim enhanced rates for any item in this contract.
5. Bidders shall submit Bids, which comply with the Bidding Documents. Alternative Bids will not be considered. The attention of bidders is drawn to the provisions of Clause on "Determination of Responsiveness of Bid" regarding the rejection of Bids, which are not substantially responsive to the requirements of the Bidding Documents.
6. All prices quoted must include any Taxes applicable, such as Income Tax, etc. If not specifically mentioned in the quotation, then it will be presumed that the prices include all the taxes.

Information Technology Department
KMC

12.

BID FORM

To: Senior Director,
Information Technology Department, KMC
Karachi.

Sir:

Having examined the bidding documents, the receipt of which is hereby duly acknowledge, for the above Contract, we, the undersigned, offer to supply, deliver, test and impart training in conformity with the said bidding documents for the Total Bid Price.

Pak Rupees (in figures _____ in words _____) or such other sums as may be ascertained in accordance with the Price Schedule attached hereto and made part of this Bid.

We undertake, if our Bid is accepted, to complete the Works in accordance with the Contract Execution Schedule provided.

If our Bid is accepted, we will provide the performance security in the sum equivalent to equal to 10% of the Contract Price or the same will be deducted from the running bills.

We agree to abide by this Bid for the period of one twenty (120) days from the date fixed for bid opening of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof in your Notification of Contract Award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest-priced or any Bid that you may receive.

Dated this _____ day of _____ 2014

WITNESS

BIDDER

Signature _____

Signature _____

Name _____

Name _____

Title:- _____

Title _____

Address. _____

Address _____

1. General Terms & Conditions

- Bids not confirming to the terms, conditions and specifications stipulated in this RFP will be rejected.
- Information Technology Department, KMC invites this tender under **single stage - two envelope procedure**, from all qualified companies to implement this component on TURN-KEY basis.
- Proposal after due date and time will not be accepted for any reason. Proposals must not be sent by Facsimile or e-mail. Such submissions will not be accepted for any reason.

Bid / Proposal shall comprise 2 packages (one in original & other in duplicate) for the **“Video Security and Surveillance System for Malir Cantt Gate VI – Parda Pak & Islamia College, Lyari Expressway – Abul Hassan Isphahani Road bridge, Disco Bakery – Dhacca Sweets, Chappel Garden - White House Scheme Karachi”** containing two separate envelopes. Each package shall contain separately the financial proposal and the technical proposal;

- a) envelopes shall be marked as **“FINANCIAL PROPOSAL”** and **“TECHNICAL PROPOSAL”** in bold and legible letters to avoid confusion;
 - b) initially, only the envelope marked **“TECHNICAL PROPOSAL”** shall be opened;
 - c) envelope marked as **“FINANCIAL PROPOSAL”** shall be retained in the custody of the Information Technology Department, KMC without being opened;
 - d) Procurement Committee shall evaluate the technical proposal, without reference to the price and reject any proposal which does not conform to the specified requirements;
 - e) no amendments in the technical proposal shall be permitted during the technical evaluation;
 - f) financial proposals of technically qualified bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance;
 - g) financial proposal of bids found technically non-responsive shall be returned un-opened to the respective bidders; and
 - h) bid found to be the lowest evaluated or best evaluated bid shall be accepted.
- The contractor shall provide support of at least 1 year. Contractor will be responsible to successfully operation and technical support for at-least 1 year.
 - Final selection shall be based on the assessment of Technical and Financial proposals.

- Bidders shall be required to obtain at least 80% Technical Marks to qualify for the evaluation of Financial Bids.

(i) Bid Security

A bid security, in the shape of a Bank Draft/Pay Order in favor, KMC, equivalent to 2 % of the total cost of bid should be submitted along with the tender.

(ii) Validity of the proposal

All proposal and price shall remain valid for a period of 120 days from the closing date of the submission of the proposal. However, the responding organization is encouraged to state a longer period of validity for the proposal.

(iii) Currency

All currency in the proposal shall be quoted in Pakistani Rupees (PKR). The Bid prices and rates are fixed during currency of contract and under no circumstance shall any contractor be entitled to claim enhanced rates for any item in this contract.

(iv) Withholding Tax, Sales Tax and other Taxes

The responding organization is hereby informed that the Government shall deduct tax at the rate prescribed under the tax laws of Pakistan, from all payments for services rendered by any responding organization who signs a contract with the Government. The responding organization will be responsible for all taxes on transactions and/or income, which may be levied by government. If responding organization is exempted from any specific taxes, then it is requested to provide the relevant documents with the proposal.

(v) Compliance to Specifications

The Responding Organization (RO) to provide information as per (Compliance sheet). RO may not propose any kind of refurbished Hardware / components in their technical proposals.

(vi) Technical Capabilities

The RO(s) shall describe the Technical capabilities of its organization. Comprehensive verifiable support should be included in the detailed Technical proposal.

(vii) Financial Capabilities

The RO(s) shall describe the financial position of its organization. Income Statement or Report should be included in the detailed Technical proposal.

(viii) Penalty Clause

It is utmost importance that schedule to tender should be filled in very carefully and the instructions set forth above, scrupulously complied with failing which the offer will be ignored. In case of non-completion of supply within stipulated period Earnest Money will be forfeited in favor of the Information Technology Department KMC.

- An affidavit that the firm has not been entangled in litigation with any client during the last 5 years.
- An affidavit that the firm has never been blacklisted by any Government Department.
- Liquidated damages of 0.025% per day of the contract price per day will be deducted for delayed delivery of Software and Services.

The technical offer must be submitted (in duplicate) with the following documents

1. Company Profile with complete address, telephone No. Fax. No. and e-mail address and contact person.
2. Partnership / Reseller letter or agreement copy which authorize Bidder to sell or market the Proposed Video Security and Surveillance products in Pakistan.
3. In case of Partnership firm, authorization by all the partners of the firm to bid in the tender
4. Details of Installed Running Project of similar nature in Pakistan. The Physical survey may be conducted to verify the project.
5. No conditional offer will be accepted
6. Covering Letter: A covering letter from the Head of the company or an authorized representative of the applicant should be attached with the proposal.
7. CNIC of the Chief Executive or authorized representative of the bidder.
8. NTN Certificate
9. GST Certificate
10. Valid Professional Tax Registration
11. PEC Certificate
12. Organization Chart and Team Composition: Team composition and outline of roles of the team members shall be provided in the technical document.
13. Must have fully operational offices in Karachi.
14. Proven experience of maintenance and operations of similar nature of projects.
15. Single bidder with single bid is allowed only.

Scope of Work:

The Project will be executed at Head office of KMC Civic Centre Building, and a part of sites covering different important locations of the area Malir Cantt Gate VI – Parda Park & Islamia College, Lyari Expressway – Abul Hassan Isphahani Road bridge, Disco Bakery – Dhacca Sweets, Chappel Garden - White House Scheme Karachi. The entire area will come under administration of Command and Control Centre plus network operation will provide assistance to Civic Centre Building

Further the Objectives of the proposed project are as detailed are to:

- Improve the security of citizens in the respective areas of Karachi.
CCTV cameras deployed in congested and crowded areas will add deterrence for the police force.
- To enable work monitoring along with physical security and surveillance.
- Also help other law enforcement agencies to add deterrence in law and order condition
- The video clips can also be provided as an evidence in court of law
- To deploy and effectively use the response force teams.
- To keep crimes under control through continuous monitoring and recording
- Highly sophisticated and reliable surveillance mechanism.

There will be fixed and pan-tilt-zoom type cameras mounted at vantage locations which shall continue monitoring the areas in view of each camera on round the clock basis. The images from these cameras will be displayed in real time at the remote Command & Control Center (CCC), where suitably rated hardware for video management, recording and storage will be provided.

Approx 225 cameras will be mounted on the poles and will be powered from the KESC electric power supply available at the locations of placement of cameras. Furthermore there will be un-interruptible power supply units of adequate standby battery backup for said camera Primary connectivity for video data transmission from the cameras will be through over 100's of kilometers of fiber optic cable, which will be laid from CCC up to network data switches. Suitable number of such switches will be provided at strategic locations to which clusters of cameras will be connected through copper cables (cat 6).

The project will be integrated with the existing system. The bidder will need to assist command and control center team for the integration.



KARACHI METROPOLITAN CORPORATION

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S. NO	Description	Total Qty	Unit Price (Rs.)	Qty. Price (Rs.)
1	<p>Fix Cameras :</p> <p>Network HD 1080p Bullet Camera with View-DR technology, IR Illuminator, IP66 rated with built-in heater, Dual Stream H.246/MPEG-4/JPEG, Day/Night, PoE, built-in 3.1-8.9 auto iris lens. Image device 1/2.8 type progressive scan Exmor CMOS sensor, Minimum illumination Color: 0.40 lx, B/W: 0 lx (IR ON), (F1.2/View-DR OFF/XDNR ON-Middle/VE OFF/AGC High/50 IRE [IP]) Number of effective pixels (H x V) Approx. 3.27Megapixel (2096x1561) Electronic shutter speed 1s to 1/10000 s Gain control Auto (3 levels) Exposure contro. Auto, EV Compensation *1 , Auto Slow Shutter *2 White balance mode Auto (ATW, ATW-PRO), Preset, One-push WB, Manual Lens type Built-in Vari-focal lens Zoom ratio Optical 2.9X (x2 Digital Zoom) Horizontal viewing angle 88.5 degrees to 32.3 degrees Focal length f=3.1mm to 8.9 mm F-number F1.2 (Wide), F2.1 (Tele) Minimum object distance 300 mm Powered focus Yes (Easy Focus) Powered zoom Yes (Easy Zoom) IR illuminators (Wave Length: 850nm). Day/Night *3 Yes Wide-D View-DR technology (90dB) Image enhancement Image enhancement Visibility Enhancer Noise reduction XDNR Technology Codec image size (H x V) 1920 x 1440, 1600 x 1200, 1680 x 1056, 1920 x 1080, 1440 x 912, 1376 x 768, 1280 x 960, 1280 x 800, 1280 x 720, 1280 x 1024, 1024 x 768, 1024 x 576, 800 x 480, 768 x 576, 720 x 576, 704 x 480, 640 x 480, 640x 368, 384 x 288, 320 x 240, 320 x 192 (H.264, MPEG-4, JPEG) Video compression format H.264, MPEG-4, JPEG Codec streaming capability Dual streaming Maximum frame rate H264: 20fps (1920 x 1440) / 30fps (1920 x 1080) MP4G-4: 15fps (1920 x 1440) / 20fps (1920 x 1080) JPEG: 10fps (1920 x 1440) / 15fps (1920 x 1080) Protocols IPv4, IPv6, UDP, TCP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP(client/server), SMTP,DHCP, DNS,NTP, RTP/RTCP, RTSP, SNMP (MIB-2) ONVIF software Yes Wireless network Yes (with Option *4) Number of clients 10 Authentication IEEE802.1X Operating system Microsoft Windows XP™, Windows Vista™ (32bit), Windows 7 (32bit) Processor Intel Core2 Duo 2 GHz or higher Memory 1 GB or more Web browser Microsoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0 Firefox® Ver.3.5 (Plug-in free viewer only) Safari® Ver.4.0 (Plug-in free viewer only) Google® Chrome Ver.4.0 (Plug-in free viewer only) Supplied Accessories CD-ROM (User's Guide, SNC Toolbox), Installation manual, Wire rope, +M4x8 screw, Warranty Booklet, Template</p>	170		

Signature of Tenderer
with official Seal



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S.NO	Description	Total Qty	Unit Price (Rs.)	Qty. Price (Rs.)
2	<p>PTZ Camera</p> <p>High Speed Dome Camera 36X Optical Zoom IP based cameras without external encoder conversion, ¼ type CCD with Exwave, HAD technology Day night visibility, visibility enhancer, XDNR, Advance audio detection, Auto, Full auto, Shutter-priority, Iris-priority, Manual, EV compensation, Backlight compensation with minimum three years warranty. (Country of origin USA/UK/Japan/ or equivalent less china)</p> <p>Camera Software License:</p> <p>Management Application System configuration wizards of adding cameras, configuring video and recording, adjustment of motion detection and user configuration Automated device discovery enables fast discovery of camera devices Export/import of system and user configuration data allows for reliable system operation and fast system recovery. Automatic system restore points are created each time a configuration change is confirmed. Auto-detect camera models during setup. Flexible multi-site, multi-server license structure charged per camera. Recording quality depends entirely on camera and video encoder capabilities: no software limitation. Simultaneous digital multi-channel video and audio recording and live viewing (relaying). Recording technology: secure high speed database holding JPEG images or MPEG4 and MxPEG streams including audio. Hourly to daily database archiving with optional automatic move to network drive saves storage capacity on the local server. Start recording on event. Authorize access privileges per Microsoft Active Directory user account/group, user profile or grant full access. Audit logs of client user activity by time, locations and cameras. Remote access for Clients. Client initiated start of recording based on pre-defined recording time or manual stop, and access privileges. Two-way audio enables integrated control of microphones and speakers connected to IP devices. On pre-defined events Matrix remote commands are automatically sent to display live video remotely. Flexible notification (sound, e-mail and SMS) and camera patrolling scheduling, triggered by time or event. Pan Tilt Zoom (PTZ) preset positions</p>	55		
3	<p>Management Application System configuration wizards of adding cameras, configuring video and recording, adjustment of motion detection and user configuration Automated device discovery enables fast discovery of camera devices Export/import of system and user configuration data allows for reliable system operation and fast system recovery. Automatic system restore points are created each time a configuration change is confirmed. Auto-detect camera models during setup. Flexible multi-site, multi-server license structure charged per camera. Recording quality depends entirely on camera and video encoder capabilities: no software limitation. Simultaneous digital multi-channel video and audio recording and live viewing (relaying). Recording technology: secure high speed database holding JPEG images or MPEG4 and MxPEG streams including audio. Hourly to daily database archiving with optional automatic move to network drive saves storage capacity on the local server. Start recording on event. Authorize access privileges per Microsoft Active Directory user account/group, user profile or grant full access. Audit logs of client user activity by time, locations and cameras. Remote access for Clients. Client initiated start of recording based on pre-defined recording time or manual stop, and access privileges. Two-way audio enables integrated control of microphones and speakers connected to IP devices. On pre-defined events Matrix remote commands are automatically sent to display live video remotely. Flexible notification (sound, e-mail and SMS) and camera patrolling scheduling, triggered by time or event. Pan Tilt Zoom (PTZ) preset positions</p>	225		
4	Pole Mount BOX for cameras weather proof	51		
5	35 ft Pole for the installation of weather proof boxes and installation of camera sites	51		

Signature of Tenderer
with official Seal



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Tender : Supply, Installation, Commissioning and Provisioning of Video Security and Surveillance System for Malir Cantt Gate VI – Parda Pak & Islamia College, Lyari Expressway – Abul Hassan Isphahani Road bridge, Disco Bakery – Dhacca Sweets, Chappel Garden - White House Scheme Karachi Information Technology Department, KMC

S. NO	Description	Total Qty	Unit Price (Rs.)	Qty. Price (Rs.)
6	UPS 1 KVA and Battery	51		
7	Stabilizer 1 KVA	51		
8	Switch 8 Port	51		
9	Media Converter 10/100	51		
10	Media Converter 10/100/1000	6		
11	2KVA UPS with batteries	6		
12	2 KVA Stabilizer	6		
13	24U Racks for BTS	6		
14	Hub Sites for data transmission with complete setup and relevant accessories and equipment's	6		
15	SFP Pair 20 KM	6		
16	Ethernet Patch Chord (3M)	77		
17	Fiber Trenching	39,500		

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S. NO	Description	Total Qty	Unit Price (Rs.)	Qty. Price (Rs.)
18	Optic Fiber Cable	50,500		
19	Fiber tray	58		
20	Fiber Network Accessories including but not limited to Fiber Tray, Patch cords, ODF Boxes, Joint enclosures, or any other required accessory to completely develop the network	1		
21	Power Cables in Meter	6,950		
22	Ethernet Cabling in RFT	8,700		
23	<p>Server machine for Recording:</p> <p>2U chassis, 2 X Xeon E5-2600 series 4C 2.4 processors 16 GB DDR3 1333MHz RDIMM Internal storage 2 X 300GB and 4 X 3TB 7.2K 6Gbps NL SATA HDD and flexibility with up to twelve 3.5 in. hot-swap SAS/SATA HDDs or SSDs, RAID-0, -1, -10, -5, -50 with 512 MB cache and supercap backup, quad-port Gigabit Ethernet, Up to 7 PCIe slots, up to 95 percent efficient power supplies, Four hot-swappable counter-rotating fans, new UEFI BIOS, support both AC and DC power supplies, Compliance with 80-PLUS® and ENERGY STAR® energy-efficiency standards, support Long-term operating temperature: 40°C,</p> <p>VMware ESXi embedded hypervisor support with optional 8GB USB key for virtualization SATA Multi-Burner Microsoft Windows Server. 3-year customer replaceable unit and 24x7 onsite limited warranty</p>	7		
24	Storage for 15 Days Recording	1		

 Signature of Tenderer
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S. NO	Description	Total Qty	Unit Price (Rs.)	Qty. Price (Rs.)
25	Video Wall	As Required		
26	Server Rack	3		
27	HP Machine with LCD - For Viewing	9		
28	<p>Dual Display Card / viewing:</p> <p>1U chassis 2 X Xeon E5-2600 series 4C 2.4 processors</p> <p>Up to 1333 MHz memory access speed RAM 8GB (2x4GB) Support Up to 768 GB RDIMMs Up to 7 PCIe slots SAS/SATA 2 X 300GB and 2 x Quadro 2000 GPU cards installed. quad-port Gigabit Ethernet,</p> <p>SATA Multi-Burner Redundant Power Supply Compliant with 80-PLUS® and ENERGY STAR® energy-efficiency standards, VMware ESXi embedded hypervisor support with optional 8 GB USB key for virtualization, support Long-term operating temperature: 40°C, Microsoft Windows Server 2008 R2 3-year customer replaceable unit and 9x5xmbd onsite limited warranty</p>	9		
29	<p>UPS 20 KVA</p> <p>Online double conversion technology, input voltage of UPS should be 138V-485V, the efficiency more than 94%, the AC input comply with 5kA lightning and 6kV surge.</p>	2		
30	Stabilizer 20 KVA	2		
31	<p>Switch 24 Port GIGA</p> <p>24*1000 Base-X+4*Combo. Switching capacity 120Gbps, Forwarding capacity 40Mpps.support 8 queues on each port.</p>	10		

Signature of Tenderer
with official Seal



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S. NO	Description	Total Qty	Unit Price (Rs.)	Qty. Price (Rs.)
32	HP Machine with Dual LCD: Core i3 2.8 GHz, 2 GB Ram, 250GB HDD, windows 7	12		
33	PTZ controller	12		
34	Furniture, Fixture & Civil Work + Electric Wiring	3		
35	Surveillance staff for 1 year	45		
36	Maintenance Vehicles with accessories	4		
37	Street Lights with Complete accessories and installations	60		
38	Power Cables in Meter	6,000		
39	Air condition Units - Standing units	5		
40	Survey and Site Preparation Charges	2		
41	Generator 65 KVA	1		
42	Business Intelligence Software	1		

Signature of Tenderer
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S. NO	Description	Total Qty	Unit Price (Rs.)	Qty. Price (Rs.)
43	Installation and Maintenance Charges	1		
	Total			

Note:

1. Verified that the items quoted above are same as per required specifications mentioned against each item.
2. The warranty from the Principal (manufacturer) as well as supplier is mandatory.
3. No bid shall be entertained unless it is accompanied by 2 % earnest money.
4. No bid shall be entertained unless the original tender Schedule issued by KMC is properly filled and signed by the authorized representative of the company and bears the Seal of the Company. Make, model and rates if not mentioned on the original tender Schedule shall not be accepted.
5. The bidder must sign each & every page & affix company Seal.

Signature of Tenderer
with official Seal



KARACHI METROPOLITAN CORPORATION

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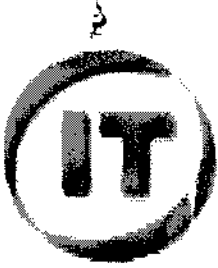
6. KMC reserves the rights to increase or decrease the quantities of each item or whole.
7. We have read and understood all terms & conditions and accept to abide.

NAME OF FIRM: _____

PHONE/FAX NO.: _____

PAY ORDER NO. & DATE: _____

Signature of Tenderer
with official Seal



99231305

99231306

edoit@karachicity.gov.pk

URL: www.karachicity.gov.pk

INFORMATION TECHNOLOGY DEPARTMENT

KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK)

2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IQBAL, KARACHI

No. KMC/IT/ PD (WVSSS) / 2014 / 253

Dated : 30-04-2014.

Manager (CB)

Sindh Public Procurement Regulatory Authority (SPPRA),

Govt. of Sindh,

Barrack # 8, Sindh Secretariat No. 4-A, Court Road,

Karachi.

Sub: Tender for the Project "Supply & Installation of Video Security & Surveillance System for Malir Cantt Gate VI, Parada Park & Islamia College, Lyari Express way, Abul Hassan Isphani Road Bridge, Disco Bakery, Dhacca Sweets, Chappel Garden, White House Scheme" Karachi.

We are submitting the required document for the above mentioned Project as detailed below:-

- i) Bidding Document for the above mentioned Tender.
- ii) Notification of Procurement Committee as per Rules-7 of SPP Rules-2010.

You are requested to arrange for placing on SPPRA Website at the earliest.

Director (C&A), IT

Copy for information to the:

- Administrator, KMC
- Metropolitan Commissioner, KMC
- Financial Advisor, KMC
- ADLFA, KMC
- Addl. Director, Web Section, Administrator Secretariat, KMC with a request to place it on KMC web portal.
- M.D. Sindh Public Procurement Regulatory Authority, Karachi with a request to place it on SPPRA website/portal
- Master File.

SPPRA WEBSITE
NO: 15147
DATED: 2-5-14

2/6/5
BD



99231305
99231306
edoit@karachicity.gov.pk
URL: www.karachicity.gov.pk



INFORMATION TECHNOLOGY DEPARTMENT

KARACHI METROPOLITAN CORPORATION (DEFUNCT CDGK)
2nd Floor (Front Right Wing), CIVIC CENTER, GULSHAN-E-IQBAL, KARACHI

RefNo: KMC/ Director(C&A)/IT/ 2014 /174

Dated: 02/04/2014

ORDER:

With the approval of the Competent Authority, a Purchase/Technical Evaluation Committee comprising the following officers has been constituted for the project of "Supply, Installation, Commanding and Provisioning of Video Security & Surveillance System for Malir Cantt. Gate VI, Parda Park & Islamia College, Lyari Express Way - Abul Hassan Isphahani Road Bridge, Disco Bakery - Dhacca Sweets, Chappel Garden - White House Scheme Karachi":-

- | | |
|-----------------------------|---|
| 1. Mr. Muhammad Masood Alam | Sr. Director, I.T., KMC (Chairman) |
| 2. Mr. Kamal Ahmed Siddiqui | Director(C&A), IT, KMC |
| 3. Mr. Muhammed Abdul Nasir | Director(SWD), IT, KMC |
| 4. Mr. Khalid Fahim Khan | Director(OPS),IT,KMC (Project Director/ Convener) |
| 5. Mr. Shabuddin Sabir | Director Public Relations, MDA |
| 6. Mr. Muhammad Nawaz Khan | Director(Account Deptt.) KW&SB |
| 7. Mr. Agha Nafees | Executive Engineer, LDA |

Director, I.T. (Coord. & Admn.)

Copy for information to:
Senior Director (IT), KMC

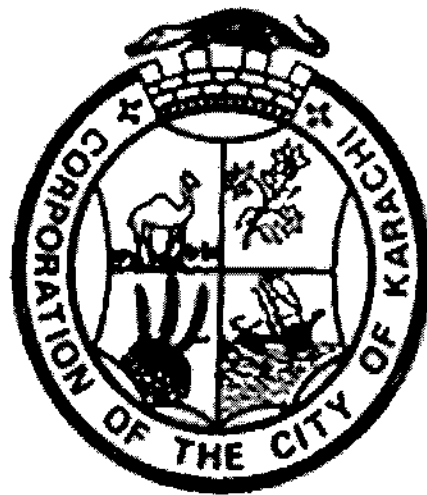
Copy to:
All concerned.

**SUPPLY, INSTALLATION, COMMISSIONING AND
PROVISIONING**

OF

**VIDEO SECURITY AND SURVEILLANCE SYSTEM
FOR MALIR CANTT GATE VI – PARDA PAK & ISLAMIA
COLLEGE, LYARI EXPRESSWAY – ABUL HASSAN
ISPHAHANI ROAD BRIDGE, DISCO BAKERY – DHACCA
SWEETS, CHAPPEL GARDEN - WHITE HOUSE SCHEME
KARACHI**

TENDER DOCUMENT



2014

**INFORMATION TECHNOLOGY DEPARTMENT
KARACHI METROPOLITAN CORPORATION**



KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT

GENERAL CONDITIONS OF THE CONTRACT

Tender for : "Supply & Installation of Video Security and Surveillance System for Malir Cantt Gate VI – Parada Pak & Islamia College, Lyari Expressway – Abul Hassan Isphahani Road bridge, Disco Bakery – Dhacca Sweets, Chappel Garden - White House Scheme" Karachi

Issued to M/s.	
On	
Pay Order No. Date / Drawn from / Amount (Cost of Tender Non Refundable).	
Dropping of Tender	08-04-2014 at 11:00 am
Opening of Tender	08-04-2014 at 11:30 am

Issuing Authority

N.B

The bidder is expected to examine the Bidding Documents, including all instructions, forms, terms, specifications and charts/drawings. Failure to furnish all information required by the Bidding documents or submission of a Bid not substantially responsive to the Bidding Documents in every respect would result in the rejection of the Bid.

➤ **Definitions**

In this Contract, the following terms shall be interpreted as indicated:

"Commencement Date of the Contract" means the date of signing of the Contract between the Purchaser and the Contractor.

"Contract" means the agreement entered into between the Purchaser and the Contractor, as recorded in the Contract Form signed by the parties, including all Schedules and Attachments thereto and all documents incorporated by reference therein.

"Contract Price" means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligations.

"Contractor" means the individual or firm whose bid has been accepted by the Purchaser and the legal successors, in title to the Contractor.

"Contract Value" means that portion of the Contract Price adjusted to give effect to such additions or deductions as are provided for in the Contract, which is properly apportionable to the Software or Services in question.

"Purchaser" means the Information Technology Department, Karachi Metropolitan Corporation - Pakistan.

"Services" means services, such as testing, training and other such obligations of the Contractor covered under the Contract.

"Works" means all Software / Hardware to be provided and services to be rendered & work to be done by the Contractor under the Contract.

"SPPR 2010" means Sindh Public Procurement Rules 2010.

"SPPRA" means Sindh Public Procurement Regulatory Authority established under Section 3 of Sindh Public Procurement Act, 2009.

INVITATION TO BID

Information Technology Department of Karachi Metropolitan Corporation, (hereinafter referred to as Purchaser), invites sealed bids from eligible bidders for **"Video Security and Surveillance System for Malir Cantt Gate VI – Parda Pak & Islamia College, Lyari Expressway – Abul Hassan Isphahani Road Bridge, Disco Bakery – Dhacca Sweets, Chappel Garden - White House Scheme Karachi"**.

Tender Bids in sealed envelopes as per information are required. Suppliers applying for bids should submit duplicate Financial Proposal and Technical Proposal in two separate envelopes with clear marking of "Technical Proposal" and "Financial Proposal" as per Single Stage - Two Envelope process of SPPR 2010. The interested bidder must have valid NTN also. Only Income Tax, Sales Tax registered and PEC registered firms are eligible to participate.

1. The Technical Proposal should contain all the bid items without quoting the price and must list firm's clientele, resumes / CV's of the engineering team. Financial bids of Firms not obtaining minimum passing criteria on Technical basis will not be opened.
2. All bids must be accompanied by an earnest money 2.0% of total bid amount, and must be accompanied with the financial offer. Bid without bid security of required amount and prescribed form shall be rejected.
3. Information Technology Department KMC will not be responsible for any costs or expenses incurred by bidders in connection with the preparation or delivery of bids.
4. The Bid prices and rates are fixed during currency of contract and under no circumstance shall any contractor be entitled to claim enhanced rates for any item in this contract.
5. Bidders shall submit Bids, which comply with the Bidding Documents. Alternative Bids will not be considered. The attention of bidders is drawn to the provisions of Clause on "Determination of Responsiveness of Bid" regarding the rejection of Bids, which are not substantially responsive to the requirements of the Bidding Documents.
6. All prices quoted must include any Taxes applicable, such as Income Tax, etc. If not specifically mentioned in the quotation, then it will be presumed that the prices include all the taxes.

Information Technology Department
KMC

✓ **BID FORM**

To: Senior Director,
Information Technology Department, KMC
Karachi.

Sir:

Having examined the bidding documents, the receipt of which is hereby duly acknowledge, for the above Contract, we, the undersigned, offer to supply, deliver, test and impart training in conformity with the said bidding documents for the Total Bid Price.

Pak Rupees (in figures _____ in words _____) or such other sums as may be ascertained in accordance with the Price Schedule attached hereto and made part of this Bid.

We undertake, if our Bid is accepted, to complete the Works in accordance with the Contract Execution Schedule provided.

If our Bid is accepted, we will provide the performance security in the sum equivalent to equal to 10% of the Contract Price or the same will be deducted from the running bills.

We agree to abide by this Bid for the period of one twenty (120) days from the date fixed for bid opening of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof in your Notification of Contract Award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest-priced or any Bid that you may receive.

Dated this _____ day of _____ 2014

WITNESS

BIDDER

Signature _____

Signature _____

Name _____

Name _____

Title:- _____

Title _____

Address. _____

Address _____

1. General Terms & Conditions

- Bids not confirming to the terms, conditions and specifications stipulated in this RFP will be rejected.
- Information Technology Department, KMC invites this tender under **single stage - two envelope procedure**, from all qualified companies to implement this component on TURN-KEY basis.
- Proposal after due date and time will not be accepted for any reason. Proposals must not be sent by Facsimile or e-mail. Such submissions will not be accepted for any reason.

Bid / Proposal shall comprise 2 packages (one in original & other in duplicate) for the "Video Security and Surveillance System for Malir Cantt Gate VI – Parada Pak & Islamia College, Lyari Expressway – Abul Hassan Isphahani Road bridge, Disco Bakery – Dhacca Sweets, Chappel Garden - White House Scheme Karachi" containing two separate envelopes. Each package shall contain separately the financial proposal and the technical proposal;

- a) envelopes shall be marked as "FINANCIAL PROPOSAL" and "TECHNICAL PROPOSAL" in bold and legible letters to avoid confusion;
 - b) initially, only the envelope marked "TECHNICAL PROPOSAL" shall be opened;
 - c) envelope marked as "FINANCIAL PROPOSAL" shall be retained in the custody of the Information Technology Department, KMC without being opened;
 - d) Procurement Committee shall evaluate the technical proposal, without reference to the price and reject any proposal which does not conform to the specified requirements;
 - e) no amendments in the technical proposal shall be permitted during the technical evaluation;
 - f) financial proposals of technically qualified bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance;
 - g) financial proposal of bids found technically non-responsive shall be returned un-opened to the respective bidders; and
 - h) bid found to be the lowest evaluated or best evaluated bid shall be accepted.
- The contractor shall provide support of at least 1 year. Contractor will be responsible to successfully operation and technical support for at-least 1 year.
 - Final selection shall be based on the assessment of Technical and Financial proposals.

- Bidders shall be required to obtain at least 80% Technical Marks to qualify for the evaluation of Financial Bids.
- (i) **Bid Security**
A bid security, in the shape of a Bank Draft/Pay Order in favor, KMC, equivalent to 2 % of the total cost of bid should be submitted along with the tender.
- (ii) **Validity of the proposal**
All proposal and price shall remain valid for a period of 120 days from the closing date of the submission of the proposal. However, the responding organization is encouraged to state a longer period of validity for the proposal.
- (iii) **Currency**
All currency in the proposal shall be quoted in Pakistani Rupees (PKR). The Bid prices and rates are fixed during currency of contract and under no circumstance shall any contractor be entitled to claim enhanced rates for any item in this contract.
- (iv) **Withholding Tax, Sales Tax and other Taxes**
The responding organization is hereby informed that the Government shall deduct tax at the rate prescribed under the tax laws of Pakistan, from all payments for services rendered by any responding organization who signs a contract with the Government. The responding organization will be responsible for all taxes on transactions and/or income, which may be levied by government. If responding organization is exempted from any specific taxes, then it is requested to provide the relevant documents with the proposal.
- (v) **Compliance to Specifications**
The Responding Organization (RO) to provide information as per (Compliance sheet). RO may not propose any kind of refurbished Hardware / components in their technical proposals.
- (vi) **Technical Capabilities**
The RO(s) shall describe the Technical capabilities of its organization. Comprehensive verifiable support should be included in the detailed Technical proposal.
- (vii) **Financial Capabilities**
The RO(s) shall describe the financial position of its organization. Income Statement or Report should be included in the detailed Technical proposal.
- (viii) **Penalty Clause**
It is utmost importance that schedule to tender should be filled in very carefully and the instructions set forth above, scrupulously complied with failing which the offer will be ignored. In case of non-completion of supply within stipulated period Earnest Money will be forfeited in favor of the Information Technology Department KMC.
 - An affidavit that the firm has not been entangled in litigation with any client during the last 5 years.
 - An affidavit that the firm has never been blacklisted by any Government Department.
 - Liquidated damages of 0.025% per day of the contract price per day will be deducted for delayed delivery of Software and Services.

The technical offer must be submitted (in duplicate) with the following documents

1. Company Profile with complete address, telephone No. Fax. No. and e-mail address and contact person.
2. Partnership / Reseller letter or agreement copy which authorize Bidder to sell or market the Proposed Video Security and Surveillance products in Pakistan.
3. In case of Partnership firm, authorization by all the partners of the firm to bid in the tender
4. Details of Installed Running Project of similar nature in Pakistan. The Physical survey may be conducted to verify the project.
5. No conditional offer will be accepted
6. Covering Letter: A covering letter from the Head of the company or an authorized representative of the applicant should be attached with the proposal.
7. CNIC of the Chief Executive or authorized representative of the bidder.
8. NTN Certificate
9. GST Certificate
10. Valid Professional Tax Registration
11. PEC Certificate
12. Organization Chart and Team Composition: Team composition and outline of roles of the team members shall be provided in the technical document.
13. Must have fully operational offices in Karachi.
14. Proven experience of maintenance and operations of similar nature of projects.
15. Single bidder with single bid is allowed only.

Scope of Work:

The Project will be executed at Head office of KMC Civic Centre Building, and a part of sites covering different important locations of the area Malir Cantt Gate VI – Parada Park & Islamia College, Lyari Expressway – Abul Hassan Isphahani Road bridge, Disco Bakery – Dhacca Sweets, Chappel Garden - White House Scheme Karachi. The entire area will come under administration of Command and Control Centre plus network operation will provide assistance to Civic Centre Building

Further the Objectives of the proposed project are as detailed are to:

- Improve the security of citizens in the respective areas of Karachi.
CCTV cameras deployed in congested and crowded areas will add deterrence for the police force.
- To enable work monitoring along with physical security and surveillance.
- Also help other law enforcement agencies to add deterrence in law and order condition
- The video clips can also be provided as an evidence in court of law
- To deploy and effectively use the response force teams.
- To keep crimes under control through continuous monitoring and recording
- Highly sophisticated and reliable surveillance mechanism.

There will be fixed and pan-tilt-zoom type cameras mounted at vantage locations which shall continue monitoring the areas in view of each camera on round the clock basis. The images from these cameras will be displayed in real time at the remote Command & Control Center (CCC), where suitably rated hardware for video management, recording and storage will be provided.

Approx 225 cameras will be mounted on the poles and will be powered from the KESC electric power supply available at the locations of placement of cameras. Furthermore there will be uninterruptible power supply units of adequate standby battery backup for said camera Primary connectivity for video data transmission from the cameras will be through over 100's of kilometers of fiber optic cable, which will be laid from CCC up to network data switches. Suitable number of such switches will be provided at strategic locations to which clusters of cameras will be connected through copper cables (cat 6).

The project will be integrated with the existing system. The bidder will need to assist command and control center team for the integration.



KARACHI METROPOLITAN CORPORATION

Tender : Supply, Installation, Commissioning and Provisioning of Video Security and Surveillance System for Malir Cantt Gate VI – Parda Pak & Islamia College, Lyari Expressway – Abul Hassan Isphahani Road bridge, Disco Bakery – Dhacca Sweets, Chappel Garden - White House Scheme Karachi Information Technology Department, KMC

S.NO	Description	Total Qty	Unit Price (Rs.)	Qty. Price (Rs.)
1	<p>Fix Cameras :</p> <p>Network HD 1080p Bullet Camera with View-DR technology, IR Illuminator, IP66 rated with built-in heater, Dual Stream H.246/MPEG-4/JPEG, Day/Night, PoE, built-in 3.1-8.9 auto iris lens. Image device 1/2.8 type progressive scan Exmor CMOS sensor, Minimum illumination Color: 0.40 lx, B/W: 0 lx (IR ON), (F1.2/View-DR OFF/XDNR ON-Middle/VE OFF/AGC High/50 IRE [IP]) Number of effective pixels (H x V) Approx. 3.27Megapixel (2096x1561) Electronic shutter speed 1s to 1/10000 s Gain control Auto (3 levels) Exposure control Auto, EV Compensation *1 , Auto Slow Shutter *2 White balance mode Auto (ATW, ATW-PRO), Preset, One-push WB, Manual Lens type Built-in Vari-focal lens Zoom ratio Optical 2.9X (x2 Digital Zoom) Horizontal viewing angle 88.5 degrees to 32.3 degrees Focal length f=3.1mm to 8.9 mm F-number F1.2 (Wide), F2.1 (Tele) Minimum object distance 300 mm Powered focus Yes (Easy Focus) Powered zoom Yes (Easy Zoom) IR illuminators (Wave Length: 850nm). Day/Night *3 Yes Wide-D View-DR technology (90dB) Image enhancement Image enhancement Visibility Enhancer Noise reduction XDNR Technology Codec image size (H x V) 1920 x 1440, 1600 x 1200, 1680 x 1056, 1920 x 1080, 1440 x 912, 1376 x 768, 1280 x 960, 1280 x 800, 1280 x 720, 1280 x 1024, 1024 x 768, 1024 x 576, 800 x 480, 768 x 576, 704 x 576, 720 x 480, 640 x 480, 640x 368, 384 x 288, 320 x 240, 320 x 192 (H.264, MPEG-4, JPEG) Video compression format H.264, MPEG-4, JPEG Codec streaming capability Dual streaming Maximum frame rate H264: 20fps (1920 x 1440) / 30fps (1920 x 1080) MPEG5-4: 15fps (1920 x 1440) / 20fps (1920 x 1080) JPEG: 10fps (1920 x 1440) / 15fps (1920 x 1080) Protocols IPv4, IPv6, UDP, TCP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP(client/server), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2) ONVIF software Yes Wireless network Yes (with Option *4) Number of clients 10 Authentication IEEE802.1X Operating system Microsoft Windows XP™, Windows Vista™ (32bit), Windows 7 (32bit) Processor Intel Core 2 Duo 2 GHz or higher Memory 1 GB or more Web browser Microsoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0 Firefox® Ver.3.5 (Plug-in free viewer only) Safari® Ver.4.0 (Plug-in free viewer only) Google® Chrome Ver.4.0 (Plug-in free viewer only) Supplied Accessories CD-ROM (User's Guide, SNC Toolbox), Installation manual, Wire rope, +M4x8 screw, Warranty Booklet, Template</p>	170		

Signature of Tenderer
with official Seal



KARACHI METROPOLITAN CORPORATION

Tender : Supply, Installation, Commissioning and Provisioning of Video Security and Surveillance System for Malir Cantt Gate VI – Parda Pak & Islamia College, Lyari Expressway – Abul Hassan Isphahani Road bridge, Disco Bakery – Dhacca Sweets, Chappel Garden - White House Scheme Karachi Information Technology Department, KMC

S. NO	Description	Total Qty	Unit Price (Rs.)	Qty. Price (Rs.)
2	<p>PTZ Camera</p> <p>High Speed Dome Camera 36X Optical Zoom IP based cameras without external encoder conversion, ¼ type CCD with Exwave, HAD technology Day night visibility, visibility enhancer, XDNR, Advance audio detection, Auto, Full auto, Shutter-priority, Iris-priority, Manual, EV compensation, Backlight compensation with minimum three years warranty. (Country of origin USA/UK/Japan/ or equivalent less china)</p> <p>Camera Software License:</p> <p>Management Application System configuration wizards of adding cameras, configuring video and recording, adjustment of motion detection and user configuration Automated device discovery enables fast discovery of camera devices Export/import of system and user configuration data allows for reliable system operation and fast system recovery. Automatic system restore points are created each time a configuration change is confirmed. Auto-detect camera models during setup. Flexible multi-site, multi-server license structure charged per camera. Recording quality depends entirely on camera and video encoder capabilities: no software limitation. Simultaneous digital multi-channel video and audio recording and live viewing (relaying). Recording technology: secure high speed database holding JPEG images or MPEG4 and MxPEG streams including audio. Hourly to daily database archiving with optional automatic move to network drive saves storage capacity on the local server. Start recording on event. Authorize access privileges per Microsoft Active Directory user account/group, user profile or grant full access. Audit logs of client user activity by time, locations and cameras. Remote access for Clients. Client initiated start of recording based on pre-defined recording time or manual stop, and access privileges. Two-way audio enables integrated control of microphones and speakers connected to IP devices. On pre-defined events Matrix remote commands are automatically sent to display live video remotely. Flexible notification (sound, e-mail and SMS) and camera patrolling scheduling, triggered by time or event. Pan Tilt Zoom (PTZ) preset positions</p>	55		
3	<p>Management Application System configuration wizards of adding cameras, configuring video and recording, adjustment of motion detection and user configuration Automated device discovery enables fast discovery of camera devices Export/import of system and user configuration data allows for reliable system operation and fast system recovery. Automatic system restore points are created each time a configuration change is confirmed. Auto-detect camera models during setup. Flexible multi-site, multi-server license structure charged per camera. Recording quality depends entirely on camera and video encoder capabilities: no software limitation. Simultaneous digital multi-channel video and audio recording and live viewing (relaying). Recording technology: secure high speed database holding JPEG images or MPEG4 and MxPEG streams including audio. Hourly to daily database archiving with optional automatic move to network drive saves storage capacity on the local server. Start recording on event. Authorize access privileges per Microsoft Active Directory user account/group, user profile or grant full access. Audit logs of client user activity by time, locations and cameras. Remote access for Clients. Client initiated start of recording based on pre-defined recording time or manual stop, and access privileges. Two-way audio enables integrated control of microphones and speakers connected to IP devices. On pre-defined events Matrix remote commands are automatically sent to display live video remotely. Flexible notification (sound, e-mail and SMS) and camera patrolling scheduling, triggered by time or event. Pan Tilt Zoom (PTZ) preset positions</p>	225		
4	Pole Mount BOX for cameras weather proof	51		
5	35 ft Pole for the installation of weather proof boxes and installation of camera sites	51		

Signature of Tenderer
with official Seal



KARACHI METROPOLITAN CORPORATION

Tender : Supply, Installation, Commissioning and Provisioning of Video Security and Surveillance System for Malir Cantt Gate VI – Parda Pak & Islamia College, Lyari Expressway – Abul Hassan Isphahani Road bridge, Disco Bakery – Dhacca Sweets, Chappel Garden - White House Scheme Karachi Information Technology Department, KMC

S. NO	Description	Total Qty	Unit Price (Rs.)	Qty. Price (Rs.)
6	UPS 1 KVA and Battery	51		
7	Stabilizer 1 KVA	51		
8	Switch 8 Port	51		
9	Media Converter 10/100	51		
10	Media Converter 10/100/1000	6		
11	2KVA UPS with batteries	6		
12	2 KVA Stabilizer	6		
13	24U Racks for BTS	6		
14	Hub Sites for data transmission with complete setup and relevant accessories and equipment's	6		
15	SFP Pair 20 KM	6		
16	Ethernet Patch Chord (3M)	77		
17	Fiber Trenching	39,500		

Signature of Tenderer
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S. NO	Description	Total Qty	Unit Price (Rs.)	Qty. Price (Rs.)
18	Optic Fiber Cable	50,500		
19	Fiber tray	58		
20	Fiber Network Accessories including but not limited to Fiber Tray, Patch cords, ODF Boxes, Joint enclosures, or any other required accessory to completely develop the network	1		
21	Power Cables in Meter	6,950		
22	Ethernet Cabling In RFT	8,700		
23	<p>Server machine for Recording:</p> <p>2U chassis, 2 X Xeon ES-2600 series 4C 2.4 processors 16 GB DDR3 1333MHz RDIMM Internal storage 2 X 300GB and 4 X 3TB 7.2K 6Gbps NL SATA HDD and flexibility with up to twelve 3.5 in. hot-swap SAS/SATA HDDs or SSDs, RAID-0, -1, -10, -5, -50 with 512 MB cache and supercap backup, quad-port Gigabit Ethernet, Up to 7 PCIe slots, up to 95 percent efficient power supplies, Four hot-swappable counter-rotating fans, new UEFI BIOS, support both AC and DC power supplies, Compliance with 80-PLUS® and ENERGY STAR® energy-efficiency standards, support Long-term operating temperature: 40°C,</p> <p>VMware ESXi embedded hypervisor support with optional 8GB USB key for virtualization SATA Multi-Burner Microsoft Windows Server. 3-year customer replaceable unit and 24x7 onsite limited warranty</p>	7		
24	Storage for 15 Days Recording	1		

Signature of Tenderer
with official Seal



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S. NO	Description	Total Qty	Unit Price (Rs.)	Qty. Price (Rs.)
25	Video Wall	As Required		
26	Server Rack	3		
27	HP Machine with LCD - For Viewing	9		
28	<p>Dual Display Card / viewing:</p> <p>1U chassis 2 X Xeon E5-2600 series 4C 2.4 processors</p> <p>up to 1333 MHz memory access speed RAM 8GB (2x4GB) Support Up to 768 GB RDIMMs Up to 7 PCIe slots SAS/SATA 2 X 300GB and 2 x Quadro 2000 GPU cards installed. quad-port Gigabit Ethernet,</p> <p>SATA Multi-Burner Redundant Power Supply Compliant with 80-PLUS® and ENERGY STAR® energy-efficiency standards, VMware ESXi embedded hypervisor support with optional 8 GB USB key for virtualization, support Long-term operating temperature: 40°C, Microsoft Windows Server 2008 R2 3-year customer replaceable unit and 9x5xnbnd onsite limited warranty</p>	9		
29	<p>UPS 20 KVA</p> <p>Online double conversion technology, input voltage of UPS should be 138V-485V, the efficiency more than 94%, the AC input comply with 5kA lightning and 6KV surge.</p>	2		
30	Stabilizer 20 KVA	2		
31	<p>Switch 24 Port GIGA</p> <p>24*1000 Base-X+4* Combo. Switching capacity 120Gbps, Forwarding capacity 40Mpps.support 8 queues on each port.</p>	10		

Signature of Tenderer
with official Seal



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S. NO	Description	Total Qty	Unit Price (Rs.)	Qty. Price (Rs.)
32	HP Machine with Dual LCD: Core i3 2.8 GHz, 2 GB Ram, 250GB HDD, windows 7	12		
33	PTZ controller	12		
34	Furniture, Fixture & Civil Work + Electric Wiring	3		
35	Surveillance staff for 1 year	45		
36	Maintenance Vehicles with accessories	4		
37	Street Lights with Complete accessories and installations	60		
38	Power Cables in Meter	6,000		
39	Air condition Units - Standing units	5		
40	Survey and Site Preparation Charges	2		
41	Generator 65 KVA	1		
42	Business Intelligence Software	1		

Signature of Tenderer
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S. NO	Description	Total Qty	Unit Price (Rs.)	Qty. Price (Rs.)
43	Installation and Maintenance Charges	1		
	Total			

Note:

1. Verified that the items quoted above are same as per required specifications mentioned against each item.
2. The warranty from the Principal (manufacturer) as well as supplier is mandatory.
3. No bid shall be entertained unless it is accompanied by 2 % earnest money.
4. No bid shall be entertained unless the original tender Schedule issued by KMC is properly filled and signed by the authorized representative of the company and bears the Seal of the Company. Make, model and rates if not mentioned on the original tender Schedule shall not be accepted.
5. The bidder must sign each & every page & affix company Seal.

Signature of Tenderer
with official Seal



KARACHI METROPOLITAN CORPORATION

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6. KMC reserves the rights to increase or decrease the quantities of each item or whole.
7. We have read and understood all terms & conditions and accept to abide.

NAME OF FIRM: _____

PHONE/FAX NO.: _____

PAY ORDER NO. & DATE: _____

Signature of Tenderer
with official Seal