

**SUPPLY, INSTALLATION, COMMISSIONING AND
PROVISIONING**

OF

**VIDEO SECURITY AND SURVEILLANCE SYSTEM
FOR ROUTE FROM GURU MANDAR TO TOLL
PLAZA & LASBELLA TO SURJANI, KARACHI**

TENDER DOCUMENT



2015

**INFORMATION TECHNOLOGY DEPARTMENT
KARACHI METROPOLITAN CORPORATION**



**KARACHI METROPOLITAN CORPORATION
INFORMATION TECHNOLOGY DEPARTMENT**

GENERAL CONDITIONS OF THE CONTRACT

Tender for : "Supply, Installation, Commissioning and Provisioning of Video Security and Surveillance System for Route from Guru Mandar to Toll Plaza & Lasbella to Surjani Karachi to Information Technology Department, KMC"

Issued to M/s.	
On	
Pay Order No. Date / Drawn from / Amount (Cost of Tender Non Refundable).	
Dropping of Tender	10 - 12 - 2015 at 11:00 am
Opening of Tender	10 - 12 - 2015 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 Route from Guru Mandar to Toll Plaza & Lasbella to Surjani 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 earnest money 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.

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 -----2015

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 Route from Guru Mandar to Toll Plaza & Lasbella to Surjani 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 for Route from Guru Mandar to Toll Plaza & Lasbella to Surjani 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
- To deploy and effectively use the response force teams.
- 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.

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 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 in Rs.	Total Amount in Rs.
1	<p>Fix Cameras :</p> <p>Minimum 5MP with 30 fps, Varifocal / Auto-iris lenses, H.265/H.264/MJPEG video compression, Wide Dynamic Range, Multiple streams, Real day & night, auto switch ICR filter, 3DNR Noise reduction, Micro SD card local storage, up to 128Gb., DC and POE power, 802.3af compliant, Defogging, Privacy mask, Motion detection, 2 way audio, built-in microphone, Onvif 2.4.1 and profile S compliant, Min. illumination 0,012 Color / 0,004 B&W Lux at f.1,2 , Day/night ICR filter with auto switch, WDR 100dB. Hardware, Lens 3,6-10mm (4K lens)</p> <p>Type Vari-focal / Auto-iris, Manual focus, Max. Resolution 2592x1920, Max. frame rate 30, Compression H.265, H.264, MJPEG, H.264 Baseline/Main profile/High profile, Bit rate 200-12000Kbps,</p> <p>Shutter speed 1/5 - 1/50,000 Sec., manual control, Image settings AWB, AGC, BLC, Flicker control, Brightness, Sharpness, Hue, Defog capability, Noise reduction 3DNR, Ethernet RJ45 10/100 Ethernet port, Protocols IPv4/v6, RTSP/RTP/RTCP, TCP/UDP, HTTP,HTTPS, DHCP, DNS, FTP, DDNS, PPPoE, SMTP, NAS recording , IP66, Certifications CE, FCC, RoHS compliant</p> <p>Should include all the accessories for operation and installations.</p>	206		

Signature of Tenderer
with official Seal



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S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
2	<p>PTZ Cameras:</p> <p>Resolution: 2 megapixel, Image sensor: 1/2.8" Sony Exmor CMOS sensor, Effective pixels 3,27mp., Video frame/Sec: 1920x1080 in 30fps., Compression H.264, MJPEG, Video codec: H.264 baseline, main profile, high profile, Mjpeg, Video stream: Multiple streams, Video bitrate: CBR (200-12000Kbps), VBR, LBR, Zoom factor: 30X optical - 12X digital, Focal length: 4,6-138mm., Min illumination: Color: 0,05Lux, BW: 0,1Lux., Color DSS: 0,002 Lux, BW DSS: 0,001Lux, IR light: 150m. distance, Day/Night: Active, pasive, day, night, scheduled, Focus type: Auto, manual, Iris: 0-20, Shutter speed: 1/30 - 1/60000 Sec., AGC: On/off, White balance: Auto, manual, Mirror: 4 options, Wide Dynamic Range: 120dB. Hardware WDR, High, low, disabled, Privacy mask: 3D mask 5 areas, Pan/Tilt movement: Pan 360° endless, Tilt 180°, Pan speed: 400°/Sec., Presets: 254, Protocols: Pelco D/P, Video out: Analogue video, Audio in/out: 1/1, Networking: RJ45 10/100 Mbps Ethernet, Audio compression: G711a, G711u, RAW, Network protocols: IPv4/v6, RTSP/RTP/RTCP, TCP/UDP, HTTP, HTTPS, DHCP, DNS, FTP, DDNS, PPPoE, SMTP, SNMP V1/V2, Alarm trigger events: Motion detection, alarm in, schedule, Platform standard: Onvif 2.4.1 / Profile S, Waterproof: IP66, Certifications: CE, FCC, RoHS compliant</p> <p>This should include all the accessories required for installation and operations</p>	58		

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S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
3	<p>Camera Software License: 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>	264		
4	Weather Proof Boxes Pole Mount for camera sites	57		
5	35 ft pole	57		
6	UPS 1 KVA and Battery with 165 AMP Battery	57		

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S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
7	Stabilizer 1 KVA	57		
8	POE Switch 8 Port with SFP Support	57		
9	2KVA UPS with 2 X 165AMP batteries	4		
10	2 KVA stabilizer	4		
11	24U Racks for BTS	4		
12	Base Station construction	4		
13	Manageable Network Switch 24 Port -10/100/1000 for base station	4		
14	SFP Pair 40 KM	8		
15	5 Meter Ethernet Patch Chord	290		
16	Fiber Trenching with ducting in Km	42		
17	Optic Fiber Cable in meters in km	59		
18	Fiber Optic Installations with complete accessories	1 Complete Job		
19	Power Cables 6MM in meters	11,500		
20	Ethernet Cable 1000 ft coils	5		

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S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
21	<p>Server machine For recording: 2U chassis, 2 X Xeon 4C 2.4 processors 16 GB DDR3 1333MHz LP RDIMM Internal storage 2 X 160GB and 4 X 3TB 7.2K 6Gbps NL SATA HDD and flexibility with up to sixteen 2.5 in. hot-swap SAS/SATA HDDs or SSDs 6 Gbps RAID-0, -1, -10 or 6 Gbps RAID-0, -1, -10, -5, -50 with 256 MB or 512 MB cache and additional option battery backup (model dependent) Up to four PCIe slots Low 675 W design and up to 95 percent efficient power supplies, six cooling fan modules, new UEFI BIOS, altimeter monitored by Integrated Management Module NEBS 1/ETSI equivalent compliance for both AC and DC power supplies (model dependent) Compliance with 80-PLUS® and ENERGY STAR® energy-efficiency standards (model dependent) VMware ESXi embedded hypervisor support with optional 2 GB USB key for virtualization SATA Multi-Burner Microsoft Windows Server 2008 R2. 3-year customer replaceable unit and onsite limited warranty</p>	8		
22	Storage for 15 Days Recording	1		
23	46 Inch narrow bezel Video Wall Solution with complete controller and complete installation accessories and cablings with video controller	As required		
24	42 U Server Rack	1		
25	PDU For Server rack	4		
26	KVM Switch with LCD	1		
27	Branded Viewing Machine For Video wall display	6		
28	Quad Display Card	4		
29	24 Port SFP Switch L3	4		

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S. NO	Description	Total Qty	Unit Price in Rs.	Total Amount in Rs.
30	HP Machine with Dual LCD for operators Core i5 2.8 GHz, 2 GB Ram, 250GB HDD, windows 7	12		
31	PTZ controller	12		
32	Vehicle for camera maintenance loaded with ladder and complete accessories required for maintenance	1		
33	Surveillance staff for 1 year	42		
34	Laptop for site Maintenance: Minimum Core i5	1		
35	Electrical and Power work at command and control center	2		
36	Accessories for Installation including Electric Work, Power distribution work, Cable Ties, Tapes and all other accessories required for the installation of project including installation charges	2		
37	Survey and Site Preparation Charges	1 Job		
38	Installation Charges	1 Job		

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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.
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

ELIGIBILITY & QUALIFICATION CRITERIA		
S. No	Description	Maximum Marks
1	Minimum Qualification Criteria	
	a) NTN Certificate b) GST Certificate c) Valid Professional Tax Certificate d) ISO Certified company e) Successfully deployed city wide video security and surveillance project of similar nature f) Successfully completed the maintenance work city wide video security and surveillance project of similar nature	
2	Evaluation Criteria	
	a. Establishment of the Firm / Company i) Less than 5 Years 2 ii) More than 5 Years 4	4
	b. Work Completed last 4 Years of similar nature by the firm i) Upto Rs. 200 Million 5 ii) Between Rs. 200 Million to Rs.400 Million 10 iii) More than Rs.500 Million 15	15
	c. Experience of the Firm in similar nature of Project (Cumulative Total) (The projects included should be completed - delivered) in Pakistan i) Private Enterprise 2 ii) Govt. Organization 5	7
	d. Income Tax Return i) Of Last Year 1 ii) Of Last Consecutive 3 Years 2	2
	e. Maintenance Lab Facility 5	5
	f. Offices in Pakistan Offices in one city 1 Offices in three cities 2	2
	g. Experience of firm Supply, Installation and Deployment of Citywide Surveillance Equipment minimum 3 Projects 30 Citywide network deployment, Optic Fiber Net Installation Operation and Miantenance of similar Projects Live demonstration may called for verification	30
	h. Work Force (Payroll skilled Employees of the Firm with relevent experience) in Pakistan i) Upto 150 Numbers Persons 5 ii) More than 150 Numbers Persons 15	15
	i. Company Staff with relevent Experience (Cumulative) i) Network Operation Skill Staff 6 ii) Hardware installation and maintenance skills 3 iv) Surveillance Cameras operational skills (PTZ & Fixed etc) 3 v) Fibre Optics deployment and maintenance skills 6 vi) Software development staff 2	20
TOTAL MARKS		100

NOTE:-

- The bidder shall comply each other & every minimum qualification Criteria otherwise their bid will be rejected.
- Those bids which declared eligible shall be further evaluated.
- Those bidders who received 80 or more than marks shall be eligible to declare as responsive bidder.
- The bidder is solely responsible to satisfy KMC through their authenticated documents against each qualification criteria.
- The Financial Bid of only responsive bidder will be opened.