

KATIHAR MUNICIPAL CORPORATION

KATIHAR

NIT NO.....

REQUEST FOR PROPOSAL(R.F.P)

(E-Tender)

NAME OF WORK:- BID THROUGH GEM FOR PROCUREMENT AND
INSTALLATION OF CCTV

SURVEILLANCE SYSTEM AND ACCESSORIES FOR KATIHAR
MUNICIPAL CORPORATION KATIHAR -854105(BIHAR)

Last Date & Time of Submission: As per Bid Specification uploaded on GEM Portal.

Date & Time of Opening: As per Bid Specification uploaded on GEM Portal.

EMD Amount: As per Bid Specification uploaded on GEM Portal.

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5/12/24

1. Introduction

About KATI HAR

Katihar district is one of the thirty-eight districts of Bihar state, India, and Katihar town is the administrative headquarter of the district. The district is a part of Purnia Division. Katihar district is located in north eastern part of Bihar State in India. It is one of the largest district which occupies area of 3,056 Sq KM.

Katihar District is an Amalgamation of 3 Sub-Divisions (Katihar, Barsoi, Manihari) following by the 16 Blocks (Katihar, Dandkhora, Hasanganj, Korha, Sameli, Falka, Kursela, Barari, Mansahi, Pranpur, Barsoi, Balrampur, Azamnagar, Kadwa, Manihari and Amdabad)

The district latitude and longitude is 25.5422194 , 87.5645687

After Census 2011 Katihar district became one of the populous district in Bihar State with total population of 3,071,029 and the sex ratio was 916 Female per 1000 Male.

The district covers 3 major rivers GANGA, KOSHI, MAHANANDA.

Project Vision

Vision of the project is to implement holistic and integrated video surveillance system for the abovementioned nodes of Katihar. This system shall also integrate with surveillance systems of different stakeholders with the objective of enhancing safety and security in the city. The system shall help-

- Support police to maintain Law and Order
- Act as an aid to investigation
- Improve Traffic Management
- Help in deterring, detecting and thus dealing with criminal activities
- Attain faster turnaround time for crime resolution and proper investigation
- Monitoring of suspicious people, vehicles, objects etc. with respect to protecting life and property and maintaining law and order in the city
- Continuous monitoring of some vital installations/public places in Katihar area for keeping eye on regular activities & for disaster management support

The Proposed video surveillance system will enable the above by following:


- Providing alerts/feedback to the Police Department about abnormal movements/suspicious objects etc.
- Better Management of Security breaches based on alerts received from system
- Improved turnaround time in responding to any investigation case, faster access to evidence in case of security breach, law violation in the prescribed areas.

Project Coverage

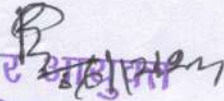
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24

Katihar intendstoimplementsecurityandsurveillance systemintheareaswithinjurisdictionforfo
llowingnodes,inconsultationwithPoliceDepartmentKatihar :

Sl. No.	INSTALATION POINT OF CAMERA	NO. OF CAMERAS
1	RAILWAY OVER BRIDGE	2
2	SHAHID CHOWK	4
3	SHAYAMA TALKIES ROAD	1
4	BASANT TALKIES GALI	1
5	WIRELESS GALI	1
6	PAPRA GALI	1
7	BATA CHOWK	4
8	NEAR SANGRAM SANGH	3
9	SANTOSHI CHOWK	3
10	SANGRAM CHOWK	4
11	CHURCH MORE, Near Bethel Mission	3
12	BHAGWAN CHOWK	3
13	NEAR SADAR HOSPITAL ROAD	1
14	BEHIND DURGASTHAN	1
15	ISLAMIYA CHOWK	3
16	DURGASHTHAN CHOWK	4
17	RAMPARA CHOWK	4
18	KORIYA PATTI CHOWK	3
19	MEHMUD CHOWK	4
20	DILKHUS MORE ,NEAR D.S COLLEGE	2
21	REDIANT HOSPITAL MORE	2


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8/11/24
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22	HARIGANJ CHOWK	2
23	PATEL CHOWK	2
24	CHOUDHARY MOHALLA	2
25	GAMI TOLA	3
26	DAULAT RAM CHOWK	3
27	RABIYA CHOWK	3
28	SHIV MANDIR CHOWK	4
29	BARIK CHOWK	2
30	ARGARA CHOWK	4
31	JHULANIYA MORE	3
32	AZAD CHOWK DAHERIA	3
33	MOFARGANJ TIRAHA	3
34	RISHI BHAWAN MORE	2
35	G SHOP FACTORY CHOWK	3
36	BANIYA TOLA CHOWK	3
37	NEAR BANIYA TOLA DHARAMSHALA	4
38	M.G ROAD BINODPUR GALI	3
39	NEAR GOLCHHA KATRA	3
40	CHOUDHARI MEDICAL CHAURAHA, MG ROAD	4
41	GIRLS SCHOOL ROAD	2
42	BINODPUR NEAR PUTUL MEDICAL	3
43	BINODPUR YADAV TOLA	3
44	HALKA KACHAHRI CHOWK	3


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45	NEAR MAHILA COLLEGE	2
46	MAHABIR MANDIR CHOWK	4
47	CHALISA HAT MORE	3
48	HARDAYAL CHOWK	3
49	NEAR GIRL'S SCHOOL	3
50	NEW MARKET	3
51	KULI PARA MORE	3
52	PANITANKI CHOWK	4
53	NEAR NANDWANI HANDLOOM	3
54	SHARIF GANJ TEMPUS STAND	3
55	SARIF GANJ JAMA MASHJID	2
56	SHARIF GANJ HAWAIADDA	4
57	NEAR RAILWAY FATAK HAWAIADDA MORE	3
58	SHARIF GANJ MANDIR KE PASS(CHAMRA GODOWN)	1
59	CHAMRA GOWDAN CHOWK	4
60	TEMPUS STAND SE BALU TOLA	2
61	HAWAI ADDA SAI MANDIR	2
62	NAKA NO -2	3
63	GAUSHALA GATE RANI GHAT	3
64	LALIYAH BANDH ROAD	3
65	LALIYAH CHOWK	3
66	LALIYAH MASHJID	2

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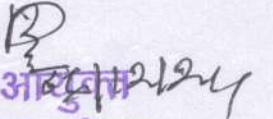
67	LALIYAH I HANUMAN MANDIR	5
68	NEAR SCOTTISH PUBLIC SCHOOL	2
69	LOHIYA NAGAR CHOWK	3
70	P & T CHOWK	4
71	MANIHARI MORE	3
72	G.R.P CHOWK	5
73	RAILWAY BRIDGE	2
74	HANUMAN MANDIR MIRCHAIBARI	3
75	NEAR V MART MALL MIRCHAIBARI	1
76	MIRCHIBARI MASHJID MAIN ROAD	1
77	FUTANI CHOWK	5
78	S.P AWAS MORE	3
79	KARGIL CHOWK	4
80	ITI MORE	1
81	NEAR HARISHANKAR NAYAK SCHOOL	1
82	JAIL ROAD TO POLICE LINE ROAD	4
83	HIRDAYGANJ	2
84	NEW THANA ENGINEERING COLLEGE MORE	3
85	In front of NEW THANA, ENGINEERING COLLEGE	2
86	NEW THANA BUDDHU CHOWK BANDH	3
87	HAJIPUR KOSHI BRIDGE (Nigam Border)	2
88	AMBEDKAR CHOWK	4

13
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89	NEAR POLICE LINE MAIN GATE	2
90	INDRAPURI	1
91	BHERIYA RAHIKA CHOWK	4
92	POLYTECHNIC COLLEGE	2
93	NEAR Medical College, BIHAR HOTEL	3
94	SIRSHA MORE	3
95	KMCH GATE	3
96	BARMASIYA POWER HOUSE	3
97	TEJA TOLA CHOWK	3
98	SHAHEB PARA	1
99	NEAR RAILWAY HOSPITAL	2
100	O.T. PARA MORE	2
101	FOOT OVER BRIDGE	2
102	NEAR KENDRIYA VIDYALAYA RAILWAY GATE	3
103	LANGRA BAGAN PARK	4
104	NAGAR NIGAM GATE	1
105	KALIBARI ROAD	2

Typical types of Location to be kept under surveillance are:

- Entry and Exit points of the City / Nakas
- Important Chowks
- Traffic Junctions


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2. Scope of the Project

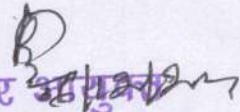
Key Highlights

The proposed video surveillance system will involve setting up of IP based outdoor security cameras across various locations in the KMC Area. The video surveillance data from various cameras deployed will be stored and monitored at Command control centers and Viewing center at KATI HARTOWN THANA

Key highlights of the scope of work of the successful System Integrator are as follows:

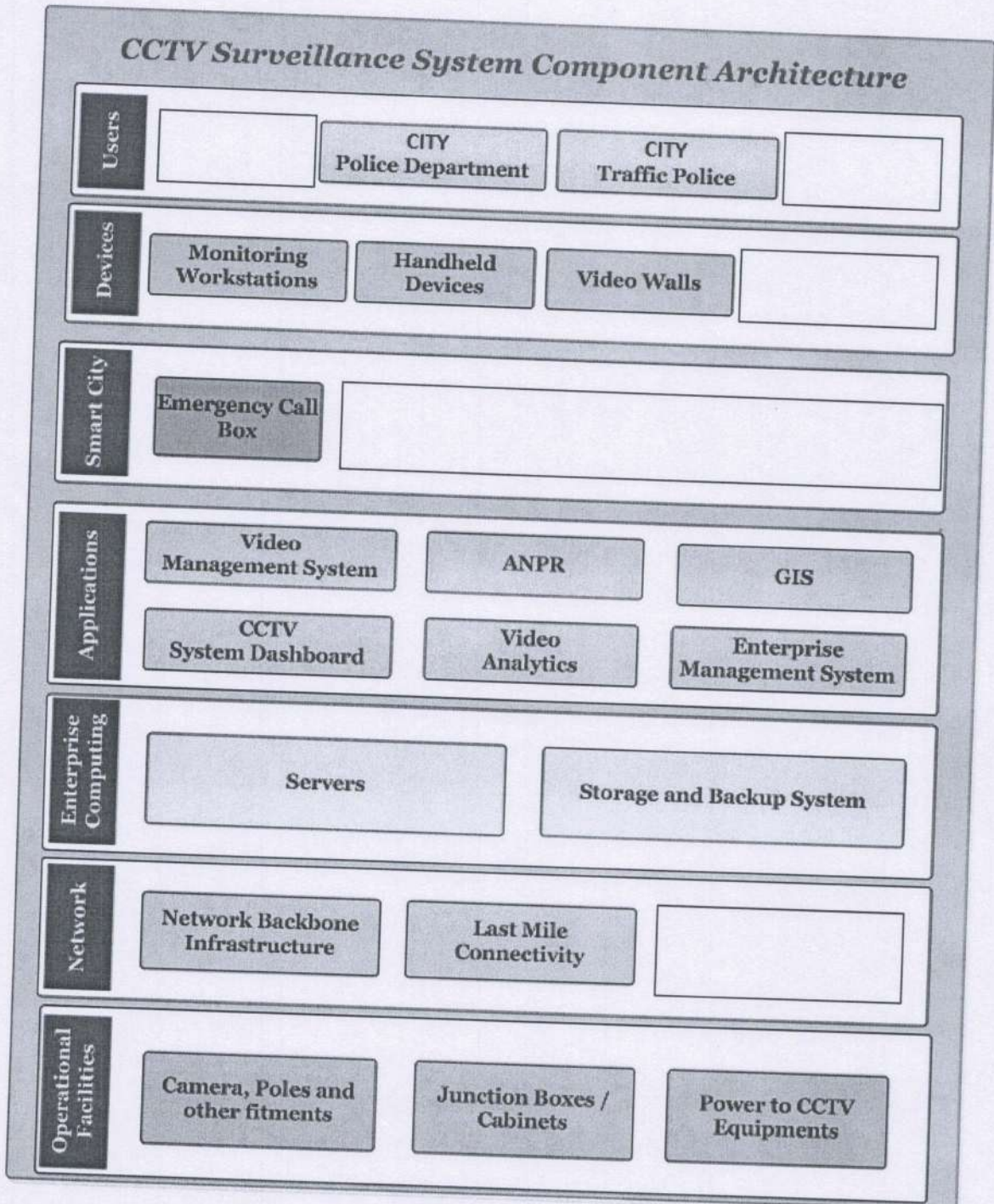
Locations	: Approx. 105
Cameras	: Approx. 250 (5MP)
Smart City Components	: Emergency Calling Boxes in 10 locations
Command Control Centers	: 1 (TOWN THANA Office)
Data Center	: In Commercial Data Center
Storage of feeds	: 30 days storage of video feeds
Viewing & Storage Frames	: 22 FPS during movement period 30 days Viewing & Storage Frames
Project Go Live Period (all regions)	3 Months from the date of Work Order
Maintenance & Operations Support	For 1+2 Years from the Go Live date

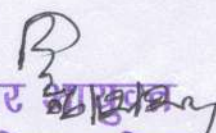
Payment term & condition


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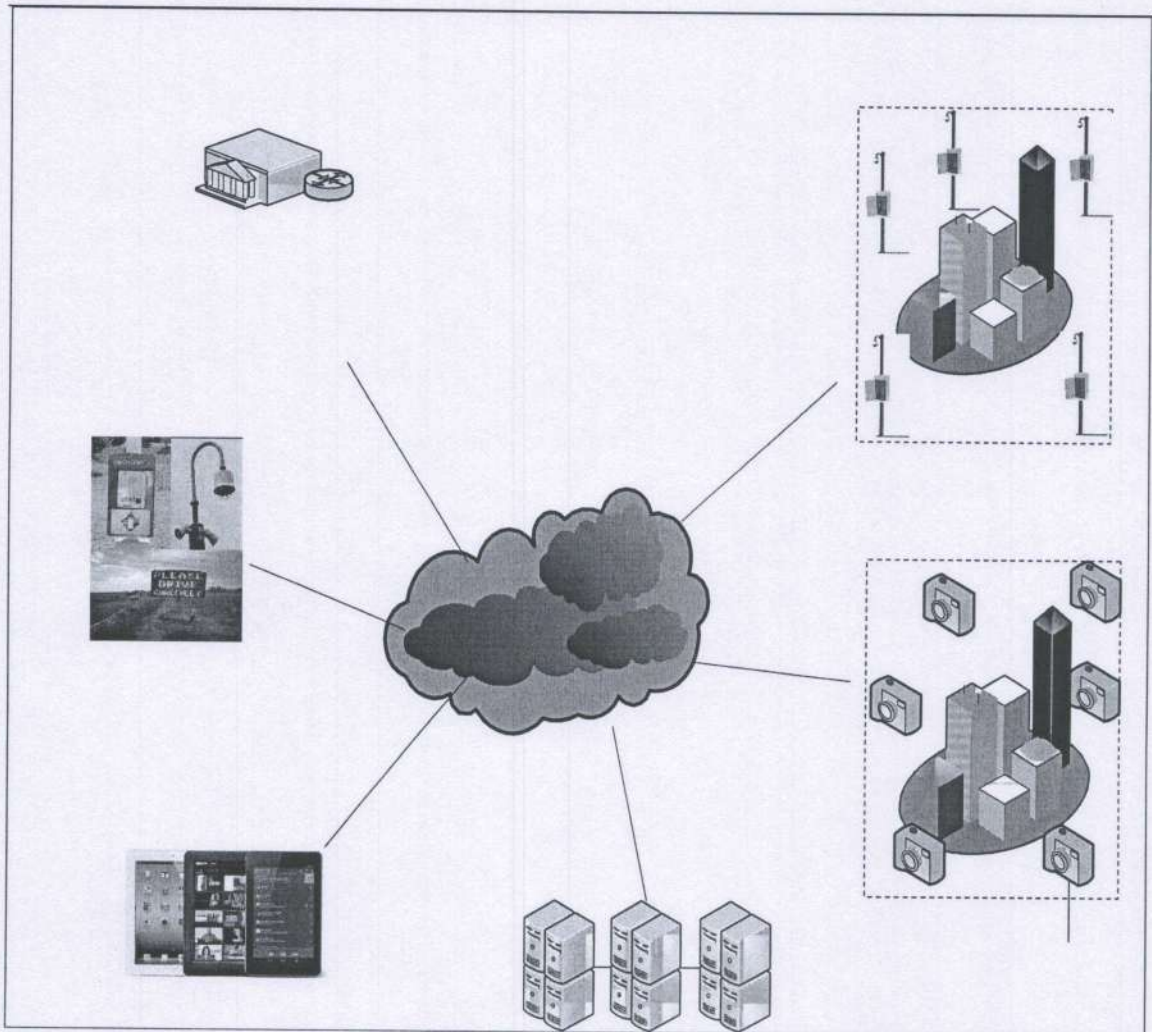
ComponentsoftheCCTVSurveillanceSystem

Variouscomponentsoftheproject,includngtheusersexpectedtousesthesystemareshowninthediagrambelow.




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A High level system overview of the proposed CCTV Surveillance System for KMC area is given in the diagram below:



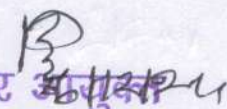
Scope of Work for the System Integrator

From the overall scoping perspective, project requirements have been classified into the following main components.

Surveillance Equipment

The project includes surveillance of about **105 locations** across KMC Area. These locations would get covered through different types of surveillance cameras including Fixed Box Camera and PTZ Cameras.

- Total Approx . (250 + 50 OLD) Cameras
 - About 05 PTZ HD Cameras
 - About 230 Fixed Box Cameras
 - About 20 ANPR Cameras to capture License plate
 - All Cameras to support Analytics


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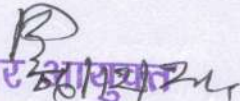
The Audio facility of all CCTV cameras (to capture audio from the field) may need to be kept disabled and police should take appropriate decision in this regard from the perspective of privacy.

The System Integrator (SI) shall assess the feasibility to use any existing electricity, phone or advertisement poles that are under KMC's jurisdiction during initial site surveys. SI shall also assess the feasibility of leveraging other structures such as areas under a bridge or billboards. For the locations identified for re-purposing the existing poles or structures, an agreement shall be signed between the SI, JIO, MSEB, MTNL and other relevant stakeholders for use of the facility for the KMC CCTV Surveillance Project. No advertisement rights shall be given to the SI on poles / at last mile.

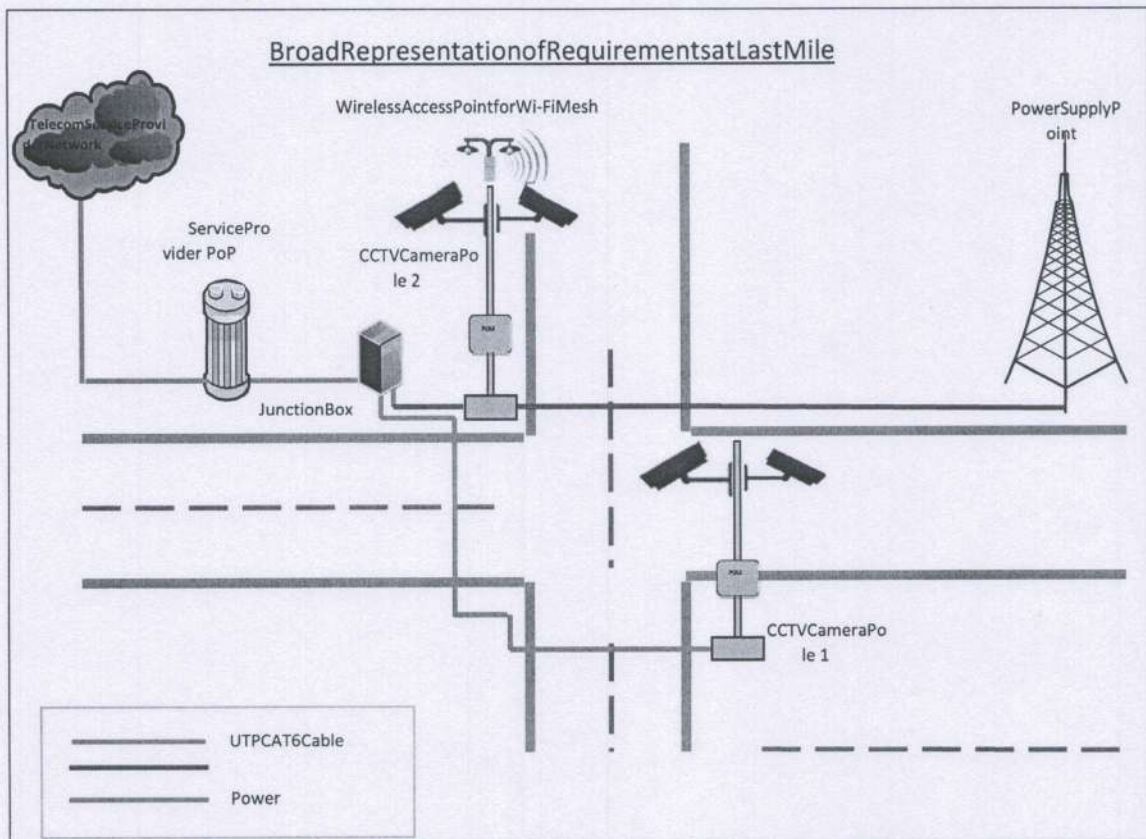
UPS requirement on last mile is not mandatory, however, SI should ensure that proper protection is taken against power surges and ensure power stabilization to the surveillance equipment. The System Integrator would need to follow required earthing standards (e.g. IS-3043) and ensure that pole and the edge level components are protected against lightning. In addition, Junction box design should be modular and each component should be well organized and clamped inside to ensure components do not heat up or fall out on opening. The Electricity/Power costs for the KMC CCTV Project will be borne by KMC.

Select locations would be identified for placing Radar based Speeding Vehicle Detectors, integrated with CCTV Cameras to capture vehicle number plate & photographs. These would be ANPR cameras that would be expected to work at **30 FPS**. Multilane, double sided ANPR cameras with speed calculation features to be preferred. If ANPR recognition fails, these cameras should at least be able to capture a clear image of license plate for investigation purposes.

The video feeds will be recorded, stored and viewed at **Full HD Video quality i.e. 4MP**. In some cases, video streaming into the system from a few handheld tablets/cameras or cameras attached to Motorcycles etc. can be done through 3G or 4G at low, compressed frame rate, while recording can be done at higher or better frames/resolution which can be offloaded later into the system.


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Network




Components of the Smart City System

Along with the components of the CCTV Surveillance system, the SI would be responsible to integrate the following services with the CCTV Surveillance system to build an infrastructure for a Smart city system in the KMC Area. These components of the Smart city system are (images are only indicative of the requirement):

Emergency Call Box System

- A high quality digital transceiver, to be placed at certain locations determined by the KATI HAR Police Department (mostly at junction boxes/camera poles to avoid additional investments)
- Key to make it easily accessible by public
- The unit shall preferably have a single button





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which when pressed, shall connect to the Police Department over the existing network infrastructure setup or CCTV Surveillance system.


- o At some of the locations, this can be also used for Public Address
- o These are to be placed only at select locations (about 10) such as Police/Traffic islands or pedestals or within the vicinity of constant Police supervision to avoid misuse and vandalism of the call box.

Technical Details:- Technical specification of items for procurement and installation of surveillance system.

TECHNICAL SPECIFICATION FOR CCTV SYSTEM		
5 MP IP BULLET FIXED LENS CAMERA		
SLNO	Description	Specification
1	IP Camera	Yes
2	Camera Image Capturing Sensor	5 MP Min
3	Focal Length	Fixed
4	Lens	4mm/6mm
5	Day & Night Switch	Auto/ scheduled
6	Video BIT rate	8-12 Mbps
7	Resolution	2592 X 1944 Min
8	Alarm Trigger	Motion detection ,IP Address conflict, Illegal Login, HDD full, HDD error
9	Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, IPv6
10	General function	Motion detection , Tampering Alarm
11	Communication interface	1 RJ45 10M/100M self-adaptive Ethernet port
12	IR illumination Range	50 m or better
13	STORAGE	256 MB Min
14	Warranty	3 years Brand warranty
HARD DISK DRIVE		
1	Type	Surveillance HDD (sata)


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2	Capacity	10 TB or better
3	Interface	Sata 6 GB/s
4	Cache(mb)	64
5	Performance	7200 RPM
6.	Recording (days)	Minimum 30 days
7.	Warenty	3 years Brand warranty
OUTDOOR RACK		
1	Type of rack	outdoor/IP65
2	Size of rack	6 U
3	Mount type	Wall mount/POLE MOUNT
4	Front door	Lockable
5	Load capacity	40 kg
VIDEO WALL		
1	DISPLAY TECHNOLOGY	LED
2	SCREEN SIZE	MIN,55"(3X3 PANEL)
3	Resolution	FULL HD
4	Display Resolution Maximum	1920×1080 Min
5	CONTROL	- RS232 control (with loop-through) - On Screen Display (OSD)
6	OPERATIONS	24X7
7	Warranty	3 years Brand warranty
NVR		
Video/Audio input.		
1	IP video input Incoming bandwidth Outgoing bandwidth	64 CH Min or As required 400 Mbps 400 Mbps
2 VIDEO OUTPUT	HDMI output resolution VGA output resolution Audio output	HDMI* 8K(7680X4320)4K (3840x2160)/ 2K (2560x1440)/60Hz, 1920x1080/60Hz, 1600x1200/60 Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz 1920x1080/60 Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz 1 Ch, RCA (Linear , 1K Ω)


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3.DECODING	Decoding format Recording solution	H.265/h.265+/h.264+/h.264 32MP/24MP/12 mp/08 mp/06 mp/ 05 mp/4 mp/ 3 12 mp/ 8mp/6 mp/5 mp/4 mp/ 3 Mp/1080p/UXGA/720p/VGA/4CIF/DCI F/2CIF/CIF/Q CIF
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
	Synchronous playback	16 ch
4		
Network manager	Network protocols	TCP/IP, DHCP, DNS, DDNS, NTP, SMTP, UPnP, TM, HTTPS,FTP
5		
External interface	Two way audio Network interface Serial interface USB interface Alarm in/out	1 Ch, RCA(2.0vp-p, 1 k Ω) 2 RJ-45 10/100/1000 mbps self- adaptive Ethernet interfaces 1 RS-485(Half duplex), 1 RS-232, 1 keyboard Front panel: 2xUSB 2.0; Rear panel: 1 USB 3.0 yes
6	General	
	Power supply Working temperature Working humidity	100 to 240 VAC -10 to +55 degree (14 to 131 F) 10 to 90 %
7	VCA	Face detection, object Removal, Ai, object counting, line crossing, License Plate Recognition
8	Warranty	3 YEARS BRAND WARRANTY
8 PORT GIGA POE SWITCH		
1	Type of Switch	POE
2	Technology	POE+
3	Multi Gigabit Support	YES
4	Network port	8 * 10/100/1000 mbps poe RJ45 port (port 1-8) 2*10/100/1000 mbps non poe rj45port (port9-port 10
5	Transfer rate	1000 mbps full duplex , 10 or 100mbps half-duplex


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6	Performance	Bandwidth:5.6GBPS (NO BLOCK
7	Led indicator	Power link/act , POE
8	Power budget	96 watt
CAT 6 UTP OUTDOOR CABLE		
1	Cable Type	CAT 6 UTP outdoor cable
2	Inner Jacket	PVC
3	outer jacket	FR PVC Cable
4	Conductor diameter	0.51 mm (24 AWG)
5	Conductor Count	8 core
6	Conductor Material	Bare Copper
7	Conductor insulation Material	Polyethylene
OPTICAL FIBRE CABLE		
1	Cable Type	Optical Fibre Cable
2	Fibre Type	Single Mode OS1
3	Fibre Count	6 core
4	Type of tube/no. of tube/ no. of core per tube	Unitube/1/6

Pan,TiltandZoomcameras(PTZ)

#	Parameters	MinimumSpecificationsorbetter
1.	VideoCompression	H.264orbetter
2.	VideoResolution	2688 x 1520 (4MP)
3.	Framerate	Min.25fps
4.	ImageSensor	1/3"OR1/4"ProgressiveScanCCD/ CMOS
5.	Lens	Auto-focus,4.7--90.6mm(correspondingto25x)
6.	MinimumIllumination	Colour:0.5lux,B/W:0.1lux
7.	Day/NightMode	Colour,Mono,Auto
8.	S/NRatio	≥120dB



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9.	PTZ	Pan:360°endless/continuous,0.2to300°/s(auto),0.2to100°/s(Manual) Tilt:90°,0.2to100°/s(Auto),0.2to40°/s(Manual)25xopticalzoomand10xdigitalzoom 16presetpositions Auto-Tracking Pre-settour
10.	Auto adjustment +Remote Control ofImagesettings	Colour,brightness,sharpness,contrast,white balance,exposurecontrol, backlight compensation, Gain Control, Wide DynamicRange
11.	Protocol	HTTP,HTTPS,FTP,RTSP,RTP, TCP,UDP,RTCP,DHCP,
12.	Security	PasswordProtection,IPAddressfiltering,UserAccessLog,HTTPSe nryption
13.	Operatingconditions	0to50°C
14.	Casing	IP-66rated
15.	Certification	


OnlineUPS

#	Parameter	MinimumSpecifications
1.	Capacity	AdequatecapacitytocoverallaboveITComponentsatrespective location
2.	OutputWaveForm	PureSinewave
3.	InputPowerFactor atFullLoad	>0.90
4.	Input	ThreePhase3Wireforover5KVA
5.	InputVoltageRange	305-475VACatFullLoad
6.	InputFrequency	50Hz+/-3Hz

#	Parameter	MinimumSpecifications
7.	OutputVoltage	400VAC, ThreePhaseforover5KVAUPS
8.	OutputFrequency	50Hz+/-0.5%(Freerunning);+/-3%(Sync.Mode)
9.	Inverterefficiency	>90%
10.	OverAllAC-	>85%

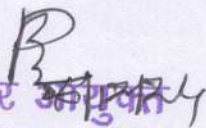

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	ACEfficiency	
11.	UPSshutdown	UPSshouldshutdownwithanalarmandindicationonfollowingcondition s 1)Output over voltage 2)Output under voltage3)Battery low 4)Inverter overload 5)Over temperature 6)Outputshort
12.	BatteryBackup	180 minutes infullload
13.	Battery	VRLA(ValveRegulatedLeadAcid)SMF(SealedMaintenanceFree)Battery
14.	Indicators&Metering	Indicators for AC Mains, Load on Battery, Fault, Load Level,BatteryLowWarning,InverterOn,UPSonBypass,Overload,etc MeteringforInputVoltage,OutputVoltageandfrequency,batteryvoltage, output currentetc
15.	AudioAlarm	Battery low, Mains Failure, Over temperature, Inverter overload,Faultetc.
16.	Cabinet	Rack/ Towertype
17.	OperatingTemp	oto50degreescentigrade


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Selection criteria of OEMs for Camera, VMS, Analytics and video system

1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM (themselves or through reseller(s)) should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
3. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
4. Past Performance: The Bidder or its OEM (themselves or through re-seller(s)) should have supplied same or similar Category Products for 40% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.


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Buyer Added Bid Specific Additional Terms and Conditions


Buyer Added text based ATC clauses

1. Seller /OEM should have local presence in state & local service centre.
2. Display Product have power consumption (Typ) 130 Watt or less
3. GST NO
4. LAST 3 YEAR OF AUDITED FINANACIAL REPROT
5. EMD MUST FOR ALL SALLER IN BID.
6. In case the OEM is not participating directly, bidder should be an authorized reseller or channel partner of the OEM. An authorization letter from the OEM need to be submitted in original with respect to this tender.

IMPORTED PRODUCTS:

In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

3. Scope of supply (Bid price to include all cost components) : Only supply of Goods.
4. NET WORTH: Net Worth of the OEM should be positive as per the last audited financial statement
5. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
6. ISO 9001: The bidder or the OEM of the offered products must have ISO 9001 certification.
7. The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.
8. For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:
 - a. Purchase Order copy along with Invoice(s) with self-certification by the bidder that supplies against the invoices have been executed.
 - b. Execution certificate by client with order value.
 - c. Any other document in support of order execution like Third Party Inspection release note, etc.


नगर उद्योग
नगर निगम, कटिहार

Disclaimer The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. If any seller has any objection / grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

PART-I: NOTICE INVITING BID THROUGH GEM

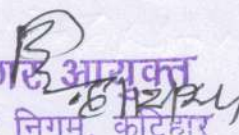
1.1. Bid for procurement of CCTV surveillance system with installation are invited from eligible firms for KMC Katihar 854105.

1.2 The bidder will be required to deposit a 1% of Bid value towards Earnest Money deposit except MSME bidder. The scanned copy of the same shall be uploaded by Seller in the online bid and hard copy of the same will have to be submitted directly to the buyer within 5 days of bid opening. Relaxation of EMD for MSME vendors to be substituted by 'Bid Security Declaration.

EMD should be in favour of Beneficiary.

1.3 The interested bidders should upload duly filled signed Bid form and their bids along with scanned copies of all the relevant certificates, documents, etc. in support of their technical bids - all duly signed on the GEM portal within the stipulated last date of BID.


NON SUBMISSION OF DOCUMENT ASKED IN THE BID WILL LEAD TO REJECTION OF BID.


नगर आयुक्त
नगर निगम, कटिहार

PART-II: TERMS AND CONDITIONS OF CONTRACT

- 2.1. **Estimated Bid Value:** - As per GEM.
- 2.2 **Period of Contract:**- The Contract shall come into effect on the date of the contract awarded through GeM. The deliveries and supplies and performance shall commence from the effective day of the contract.
- 2.3 **Extension Clause:-** The contract may be extended by two more years one at a time with same terms and conditions (with applicable statutory changes) if it is found/certified by the user that services are found satisfactory. The extension of contract beyond the effective date of contract is the sole declaration of buyer.
- 2.4. **Earnest Money Deposit:** The bidder will be required to deposit a 4% of Bid value towards Earnest Money deposit except MSME bidder. The scanned copy of the same shall be uploaded by Seller in the online bid and hard copy of the same will have to be submitted directly to the buyer within 5 days of bid opening. Relaxation of EMD for MSME vendors to be substituted by 'Bid Security Declaration'.

Or


नगर आयुक्त
नगर निगम, कटिहार

Earnest Money Deposit: Bidders are required to submit Earnest Money Deposit (EMD) amounting to Rs _____ along with the Bid in the form of an account payee DD, Fixed Deposit Receipt Banker's Cheque on Bank Guarantee from any of the Public Sector banks or a private sector bank authorized to conduct Govt business in favour of "Municipal Commisioner, Nagar Nigam, Katihar" payable at katihar. . EMD of the unsuccessful bidders will be returned to them at the earliest after expiry of the final bid validity and latest on or before the 30 day after the award of the contract. The Bid Security of the successful bidder would be returned, without any interest whatsoever, after the receipt of Performance Security from them as called for in the contract. EMD is not required to be submitted by those Bidders who are registered with the Central Purchase Organization (e.g. DGS&D), National Small Industries Corporation (NSIC) or any Department of MOD itself. The EMD will be forfeited if the bidder withdraws amends, impairs or derogates from the tender in any respect within the validity period of their tender.


- 2.5. **Security Deposit/ E-Performance Bank Guarantee (E-PBG)**: The successful Bidder will be required to furnish an e-Performance bank guarantee by way of bank guarantee through any of the commercial bank for a sum to 4 % of the contract value within 30 days of signing of this contract. Performance guarantee will be valid up to 60 days beyond the date of completion of contract. The Performance guarantee should be made in favor of "Municipal Commisioner, Nagar Nigam, Katihar".
- 2.6. **Last date of submission**: Last Date of uploading of Bid is stipulated on GEM Portal
- 2.7. **Date of opening of Bids**: Technical bid will be opened on stipulated date and time on GEM Portal.
- 2.8. **Bid Life Cycle**: 30 Days from date of publish of Bid.
- 2.9. **Bid Offer Validity**: 30 Days from Bid end date.
- 2.10. **Clarification regarding contents of the Bid/ATC**: A prospective bidder who requires clarification regarding the contents of the bidding documents shall notify to the Buyer in writing about the clarification sought not later than 10 (ten) days prior to the last date of submission of the Bids. Copies of the query and clarification by the buyer will be replied on GeM Portal.

नगर आयुक्त
नगर निगम, कटिहार

2.11. **Modification and Withdrawal of Bids:** A bidder may modify or withdraw his bid after submission prior to deadline prescribed for last date for submission of bid. No bid may be withdrawn in the interval between the deadline for last date of submission of bid and expiration of the period of bid validity specified. Withdrawal of a bid during this period will result in Bidder's forfeiture of bid security.

2.12. **Clarification regarding contents of the Bids:** During the evaluation and comparison of bids, the Buyer may, at its discretion, **ask the bidder for clarification of his bid.** The request for clarification will be given in writing and **no change in prices or substance of the bid will be sought, offered or permitted. No post-bid clarification on the initiative of the bidder will be entertained.**


2.13. **Rejection of Bids:** Canvassing by the Bidder in any form, unsolicited letter and post-tender correction may invoke summary rejection with forfeiture of EMD. Also, Conditional tenders will be rejected.


नगर भायुक्त
नगर निगम, कटिहार

2.14. **Pre-bid Meeting:** A pre-bid meeting is scheduled in the office of the "Municipal Commissioner, Nagar Nigam, Katihar". All interested vendors may attend the meeting for better understanding of the scope of work by the contractor. Participation in Pre-bid meeting is **mandatory (R) mandatory** to understand the scope of work by site visiting and analyzing the necessary requirements related to work else will lead to disqualify from the further process of Bid. Specific clarifications regarding scope of work, manpower may be sought by vendors during the pre-bid meeting.

2.15. **Instructions to Bidders for filling Up the Bids/Quotations:** The bidders shall be at liberty to visit, survey, and study the area/ site and assess/ understand the quantum of work before placing his bid for the contract. The Bidders are advised to follow the following points so as to ensure non-rejection of Bids due to errors generally committed while filling the Technical and Commercial Bids:-

- (a) Bidders are to submit Commercial Bid, Technical Bid and EMD if applicable separately. Technical bid and commercial Bid is to be filled up, signed and upload the scanned copy on GeM Portal.
- (b) All the clauses/columns of Tech Bid and Commercial Bid are to be filled by the bidder.
- (c) The commercial bids and technical bids should not contain or indicate any conditional offer. Also, separate letters suggesting changes in rates quoted on the letterhead or the quotation form, whether upward or downward, will not be accepted after opening the quotations as per


नगर भायुक्त
नगर निगम, कटिहार

scheduled time and date and also may lead to rejection of quotation.

- (d) The contractor will compulsorily visit, survey and study the site and assess the quantum of work before starting execution of work. List of site/visit place is attached.
- (e) Technical Bid Proforma is to be filled complete in all respects. The scanned copies of required documents are to be mandatorily submitted along with the Technical Bid failing which the bid may be rejected.
- (f) Commercial Bid Proforma is to be filled complete in all respects.
- (g) No (R) No over writing is allowed in the rates quoted in commercial bids. However, if the rate is to be amended, the old rate is to be encircled and new rate quoted separately and duly authenticated by the bidder.
- (h) In Commercial Bids the rates are to be quoted in words as well as figures. In case of any ambiguity/discrepancy, the rates quoted in words shall be considered as final.
- (j) In case the rates are not quoted on the quotation form forwarded by Buyer, the same can be quoted on firm's letterhead provided the date of filling up the quotation and all required relevant information is provided.

The commercial bid should mandatorily be signed by authorized person and duly stamped with Firm's rubber seal. Failure to comply with this provision shall result in rejection of the commercial bid.


नगर आयाकन
21/12/24
नगर निगम, कटिहार


Proposed Payment Terms & Condition

- a) **(1%+4%)=5% of CAPEX** to be paid as mobilization advance against equivalent Bank Guarantee. (This BG, which will be **valid for 1 year**, would be apart from the Performance Bank Guarantee payable by the successful bidder). The Performance Bank Guarantee submitted by the SI should be valid for **3 years** from the date of issue.
- b) **70% of CAPEX** against after material dispatch .
- c) **10% of CAPEX** against UAT for the Infrastructure for Command Center at KATIHAR TOWEN THANA
- d) Remaining **20% of CAPEX and OPEX** payment in **8 equal installments for TWO years** after successful Go Live

Note :

- The mobilization advance shall be recovered through payment of **b), c) and d)** in three installments at 70%, 10% and 20% of the total mobilization advance.
- CAPEX should not be over 30% of total project cost (i.e. CAPEX + OPEX for 2 years).
- If any Bidder quotes CAPEX as over 30% of total project cost, <KMC> shall cap CAPEX as 80% & shall pay 20% of total project cost in 8 equal installments for TWO years post Go Live.

TIMELY payments to be ensured: Interest of 12% per annum (calculated monthly) to be given by the <CITY> for payments delayed beyond 15 days of submission of the invoice (as per the due payment milestone).


नगर आयुक्त
नगर निगम, कटिहार