

Corrigendum- 2

Date: 13.03.2019

Tender Ref. No. : GVK EMRI/GJ/ET/CCTV/1819,
Tender ID : 351564

With reference to Pre Bid meeting held on 25.02.2019 and queries raised by Bidders, following changes/modification are made. Bidders are requested to go through the same before submitting the Bids.

Sr. No	Clause Ref No	Tender Clause	Amended Clause
1	Annexure X	Scope of Work & Details of Camera and other accessories	Please refer revised Annexure XA – Scope of Work & Details of Camera and other accessories
2	Annexure – XI	COMMECIAL BID FORMAT FOR THE TENDER FOR SUPPLY OF CCTV Camera	Please refer revised Annexure XIA.
3	Important dates	Last Date For Online Submission Of Tender Document : 19/03/2019 up to 18.00 Hrs.	Last Date For Online Submission Of Tender Document : 26/03/2019 up to 18.00 Hrs.
		Last Date And Time For Physically Receipt Of EMD And Supporting Document At GVK EMRI Gujarat Office : 20/03/2019 up to 14.00 Hrs.	Last Date And Time For Physically Receipt Of EMD And Supporting Document At GVK EMRI Gujarat Office : 27/03/2019 up to 14.00 Hrs.
		Time and Date for Opening Of Tender Technical Bid : 20/03/2019 up to 16.00 Hrs.	Time and Date for Opening Of Tender Technical Bid : 27/03/2019 up to 16.00 Hrs.

Annexure XA

Scope of Work

- Supply, Installation, Testing and Commissioning of CCTV Cameras and Surveillance System at/in the GVK EMRI, Kathwada campus as per enclosed BOQ and adhering to the enclosed Technical specifications
- The Control Room of the above system will be in the premises of the administrative building.
- The bidders will be required to survey the site /Administrative Building and identify Strategic location to place the CCTV cameras so as to have maximum coverage of the Common area and other locations which required to be monitored.
- CCTV is required for surveillance through outdoor & indoor cameras at specified location outside & inside the building. Cameras shall sense the objects even in low illumination.
- These cameras are to be connected to the Network Video Recorder (NVR). The NVR unit should direct recording of all the cameras in real time. The resolution of the picture should be high. The operator should have the facility to choose any given camera for viewing on the monitor. Each image recording should be recorded with the camera number, title, time, date and recording speed visible on the screen at all times.
- Housing for outdoors cameras/lens shall be environmental, weather proof, IP66 rated vandal proof complete with sun shield.
- In case there is any digging work done during laying of cables of CCTV System and after Completion, restoration of the same work shall be in the scope of bidder.
- It may be noted that if any work is required for completion of project, it will be deemed to be in the scope of bidder whether it is specifically mentioned or not.
- The bidder should complete the entire job in all respect as per tender documents, Specifications, drawings, discussions as per site requirements to the satisfaction of GVK EMRI.
- The bidder shall give comprehensive hands on training to at least 04 personnel of GVK EMRI, on operation, preventive maintenance, recording, and retrieval of the CCTV recordings, operating system of the installed equipments of the CCTV surveillance system on free of cost. The vendor shall also provide simplified write ups about operating systems, playback, downloading images to a local PC etc. in the case of CCTV system.
- Bidder shall continue to provide maintenance and support during the warranty period.
- Bidder shall resolve any complaints regarding the CCTV surveillance system within 24Hours.
- No compensation shall be payable to the bidder for any damage caused by rains lightening, wind, storm, floods Tornado, earth quakes or other natural calamities during the execution of work. He shall make good all such damages at his own cost; and no claim on this account will be entertained.
- The bidder has to prepare and install the cameras, hardware's/software's /systems for all Weather conditions.
- The cameras should be enough to work withstanding wind, rainfall, hailstorm and other Inclement weather conditions.
- The work has to be carried out in neat and tidy manner to the satisfaction of the GVKEMRI and all care has to be taken to ensure that no part of the building gets damaged during execution of works. Materials used for carrying out the work shall be of standard Quality as per technical specifications.



- If the bidder fails to undertake the job satisfactorily or violates the terms conditions or not attending the work effectively, GVK EMRI has every right to cancel the contract and forfeit the security deposit without assigning any reason whatsoever.
- The party has to comply with all the norms of municipal and other authorities as per regulations. A proper training for operation of the CCTV installed has to be given to all the concerned to enable them to operate the system. Clearance from all local authorities to carry out the work shall be scope of bidder without any extra cost.
- The bidder shall have to remove all 'malba/debris' if any from the site on same day at his own cost and cleaning of the site has to be done on daily basis. No assistance for cleaning work shall be provided by GVK EMRI.
- All the Hardware & Software supplied by the Vendor should *be* ONVIF compliant and should seamlessly integrate with the Existing CCTV surveillance System installed at GVK EMRI.
- The proposed CCTV surveillance system should have a recorded data backup capacity for at least a month (31 days)
- Hardware warranty minimum 5 years of Active Components from the date of installation or as per OEM whichever is higher.
- Minimum 3 years' onsite warranty for all items.
- Bidder must have installed more than 100 Nos IP Camera with minimum 3 or more single order in last three years.
- Service center should be available in Ahmedabad.
- Certificate mentioned in below BOQ, should be submitted with the tender.
- Below mentioned quantity of all items / works is approximately and it may vary at the time of actual installation. The payment will be made as per actual installation.

Details of Camera and other accessories

Sr. No.	Description	UOM	Qty
1	Supply, Installation, Testing & Commissioning of Network Video Recorder, Up to 32 Channel IP Camera input, Support upto 5 MP resolution, 1 VGA + 1 HDMI, 8 SATA HDD Ports up, Raid 5 (redundacy), Support multi brand network cameras, Onvif Support, Ultra 265/H.265 Support, UL Certification and UL Lab Report. Certificate : UL & CE/FCC (Make: Axis, Honeywell, Pelco, Sony, Dahua, CP Plus, Hikvision, Bosch, Samsung)	Nos	5
2	6 TB Video Surveillance HDD (Make - WD,Seagate)	Nos	40
3	Supply, Installation, Testing & Commissioning of 4 MP IP Bullet Camera, TRUE DAY/NIGHT IR Bullet CAMERA,IR LED, Built-in PoE, fixed lens, UL& CE/FCC Certification, IP 66, IR Distance up to 50 Mtr, Coverage Frame Size:-16:9/9:16 (Corridor Mode),Frame Rate 1080P (1920*1080): MAX. 30 fps; Wide temperature range from -40 Deg to +70 Deg (Make: Axis, Honeywell, Sony, Pelco, Dahua, CP Plus, Hikvision, Bosch, Samsung)	Nos	53
4	Supply, Installation, Testing & Commissioning of 4 MP IP Camera, TRUE DAY/NIGHT IR Dome CAMERA, IR LED, Built-in PoE, fixed lens, UL& CE/FCC Certification, IP 66, IR Distance up to 30 Mtr, Vandle Proof (IK10),Coverage Frame Size:-16:9/9:16 (Corridor Mode). Frame Rate 1080P (1920*1080): MAX. 30 fps; Wide temperature range from -40 Deg to +70 Deg (Make: Axis, Honeywell, Sony, Pelco, Dahua, CP Plus, Hikvision, Bosch, Samsung)	Nos	80
5	Supply of 24 Port Giga Managed L2 POE Switch with 4 SFP Port, POE Budget more than 190W (Make - Cisco, Netgear)	Nos	14
6	Giga SFP Module for Switch - SM (Make - Cisco, Netgear)	Nos	26
7	Supply of 6 core single mode fiber cable Armoured Make:-Tyco/Molex	Mtr	2000
8	Supply of 3 Core 2.5 sq mm Armoured Power cable Make:-Finolex/Polycab/RR Cable	Mtr	1200
9	Supply of Cat 6 UTP LSZH Cable Box (Make - Tyco, Molex, Belden) (305 Meter in one Box)	Nos	16
10	Supply of Cat 6 outdoor double jacket Rodent Cable/Armoured Cable As per Require(305 Meter in one Box) (Make - Tyco, Molex, Belden)	Nos	8
11	Supply, Installation &Transportation of 12 Feet Galvanized pole as per IS:2629 and Fabrication as per IS:2713 with proper RCC foundation (to ensure that video feed quality is not impacted due to winds in different climatic conditions and from vibration caused due to heavy vehicles on road) and 4 to 5 ft long pipe/channel.	Nos	30

	Pole Diameter : Bottom section : 97.9mm Middle Section : 76.2mm Top Section : 65.2mm. Bottom : 300mm x 300mm x 6mm Protection : Lightening arrestor and Earthing. The pole should support 3 number of cantilever of varying length from 0.5 to 2.0 meters. Cantilevers : The cantilever should be fitted such that the can be rotated to change the direction or adjust the angle, if at all required. The Cantilever should be strong enough so as to mount atleast 2 CCTV camera's, if required. Mounting : Should support pole, cantilever, Junction Box		
12	Supply of 25 MM HDPE Pipe (Any ISI Make) with accessories	Mtr	2900
13	Supply of 40 MM HDPE Pipe (Any ISI Make) with accessories	Mtr	1500
14	Supply of 25 MM PVC / Casing Conduct Pipe with accessories Make:-Astral/Finolex/supreme	Mtr	1600
15	Supply, Installation & Dressing of 9 U Wall rack with 600x600 mm, PDU - 1 No, Tray -1 No, Fan -1 No, Cable Manager - 1 No, Mounting Hardware Set, (Make - Rittal, APW, Elixir)	Nos	12
16	Supply, Installation & Dressing of 36 U Stand Floor rack with 800x1000 mm, PDU - 2 No, Fan-2 No, Cable Manager - 1 No, Mounting Hardware Set (Make - Rittal, APW, Elixir)	Nos	1
17	Supply, Installation & Testing of 24 Port Cat 6 UTP loaded Jack Panel (Make- Tyco, Molex, Belden)	Nos	13
18	Cable Manager for 24 Port Cat 6 UTP	Nos	13
19	Supply of 12 Port Loaded LIU with Adaptor Plate, Connector, Coupler & Pigtail - Single Mode (Make - Tyco, Molex, Belden)	Nos	16
20	Supply of Fiber Patch Cord of SC to LC Patch Cord - 3 meter (Make - Tyco, Molex, Belden)	Nos	33
21	Supply of Cat6 UTP Patch Cord -1 Mtr	Nos	140
22	42" LED Display Monitor For viewing Camera	Nos	1
23	Supply & Installation of Intel Core i7 Process, 16 GB Memory, 1 TB HDD, 2 GB Graphics Card, KB & Mouse Set with Win License , 22" LED Monitor	Nos	1
24	Supply & Installation of 2 KVA Online UPS with 60 Min Back up (Make - Delta, APC Emerson/Socomec)	Nos	1
25	Wall Mount L Clamp for Dome Camera	Nos	20
26	Supply & Installation of 2 Pole MCB, 2 Pole ELCB, SP MCB-03 Nos With DB for Power cable termination (Make : Schneider / Legrand / Siemens / L & T)	Nos	12
27	Supply & Installation of ELECTRIC POWER POINT (Any ISO made) : DISTRIBUTE ELE.POWER TO HARDWARE ELECTRIC POWER SUPPLY PLUG POINT	Nos	12
28	Supply & Installation of Suitable Wooden casing for cable Laying ERC Call Centre	Mtr	100
Service/Labor			
29	Fiber Core Termination	Nos	120
30	Labour : Cat 6 Cable in PVC Conduct / Casing laying	Mtr	6405
31	Labour : Outdoor Cat 6 Cable in HDPE Pipe laying (Depth-1.5 to 2.5 ft)	Mtr	2200

32	Labour : Fiber Cable with HDPE laying charges (Depth-1.5 to 2.5 ft)	Mtr	1700
33	Labour : Power Cable with HDPE laying charges	Mtr	1200
34	Labour :Soft Soil Digging Charges (Depth-1.5 to 2.5 ft)	Mtr	900
35	Labour :Hard Soil Digging Charges (Depth-1.5 to 2.5 ft)	Mtr	200
36	Labour :Boring charges in road area	Mtr	100

Annexure - XIA

COMMECIAL BID FORMAT FOR THE TENDER FOR SUPPLY OF CCTV CAMERA								
Sr No	Name of the Item	UOM	Qty	HSN Code	Unit Rate (Rs.)	Applicable GST %	GST Amount (Rs.)	Total Rate
1	Supply, Installation, Testing & Commissioning of Network Video Recorder.	Nos	5					
2	6 TB Video Surveillance HDD	Nos	40					
3	Supply, Installation, Testing & Commissioning of 4 MP IP Bullet Camera.	Nos	53					
4	Supply, Installation, Testing & Commissioning of 4 MP IP Dome Camera.	Nos	80					
5	Supply of 24 Port Giga Managed L2 POE Switch with 4 SFP Port, POE Budget more than 190W	Nos	14					
6	Giga SFP Module for Switch - SM	Nos	26					
7	Supply of 6 core single mode fiber cable Armoured	Mtr	2000					
8	Supply of 3 Core 2.5 sq mm Armoured Power cable	Mtr	1200					
9	Supply of Cat 6 UTP LSZH Cable Box (305 Meter in one Box)	Nos	16					
10	Supply of Cat 6 outdoor double jacket Rodent Cable / Armoured Cable As per Require (305 Meter in one Box)	Nos	8					
11	Supply, Installation & Transportation of 12 Feet Galvanized pole	Nos	30					
12	Supply of 25 MM HDPE Pipe (Any ISO Made) with accessories	Mtr	2900					
13	Supply of 40 MM HDPE Pipe (Any ISO Made) with accessories	Mtr	1500					
14	Supply of 25 MM PVC / Casing Conduct Pipe with accessories	Mtr	1600					

15	Supply, Installation & Dressing of 9 U Wall rack with 600x600 mm, PDU - 1 No, Tray -1 No, Fan -1 No, Cable Manager - 1 No, Mounting Hardware Set.	Nos	12					
16	Supply, Installation & Dressing of 36 U Stand Floor rack with 800x1000 mm, PDU - 2 No, Fan-2 No, Cable Manager - 1 No, Mounting Hardware Set	Nos	1					
17	Supply, Installation & Testing of 24 Port Cat 6 UTP loaded Jack Panel	Nos	13					
18	Cable Manager for 24 Port Cat 6 UTP	Nos	13					
19	Supply of 12 Port Loaded LIU with Adaptor Plate, Connector, Coupler & Pigtail - Single Mode	Nos	16					
20	Supply of Fiber Patch Cord of SC to LC Patch Cord - 3 meter	Nos	33					
21	Supply of Cat6 UTP Patch Cord -1 Mtr	Nos	140					
22	42" LED Display Monitor For viewing Camera	Nos	1					
23	Supply & Installation of Intel Core i7 Process, 16 GB Memory, 1 TB HDD, 2 GB Graphics Card, KB & Mouse Set with Win License , 22" LED Monitor	Nos	1					
24	Supply & Installation of 2 KVA Online UPS with 60 Min Back up	Nos	1					
25	Wall Mount L Clamp for Dome Camera	Nos	20					
26	Supply & Installation of 2 Pole MCB, 2 Pole ELCB, SP MCB-03Nos With DB for Power cable termination.	Nos	12					
27	Supply & Installation of ELECTRIC POWER POINT (Any ISO made) : DISTRIBUTE ELE.POWER TO HARDWARE ELECTRIC POWER	Nos	12					

SUPPLY PLUG POINT								
28	Supply & Installation of Suitable Wooden casing for cable Laying ERC Call Centre	Mtr	100					
29	Fiber Core Termination	Nos	120					
30	Labour : Cat 6 Cable in PVC Conduct / Casing laying	Mtr	6405					
31	Labour : Outdoor Cat 6 Cable in HDPE Pipe laying (Depth-1.5 to 2.5 ft)	Mtr	2200					
32	Labour : Fiber Cable with HDPE laying charges (Depth-1.5 to 2.5 ft)	Mtr	1700					
33	Labour : Power Cable with HDPE laying charges	Mtr	1200					
34	Labour :Soft Soil Digging Charges (Depth-1.5 to 2.5 ft)	Mtr	900					
35	Labour :Hard Soil Digging Charges (Depth-1.5 to 2.5 ft)	Mtr	200					
36	Labour :Boring charges in road area	Mtr	100					
Total Amount (Rs.)								

Note:

1. L1 will be decided on total package cost of all items including Supply, Installation & Commissioning basis.
2. The Bidders have to quote rates through On-line only. Above format is purely for understanding of bidders.
3. Bill of Quantity given above is indicative and any additional work required to complete project will be in vendor scope and same shall be provided in quoted price.

