

Nagpur Municipal Corporation, Nagpur (Electrical Department)

Notice inviting rates from agencies like licensed electrical Contractors/dealers/manufacturer/vendors for Non- CSR items of following works which involves various items. The vendor/contractors/dealers/manufacturers shall submit rates of these works in sealed envelopes for various to the office of the undersigned. The agencies should mentions about taxes as applicable.

Name of Department : Electrical Department

Name of Head of Department : Executive Engineer (Electrical), NMC, Nagpur.

Sr.No	Name of Work	Date of submission of NON-CSR Items rate for various work Up to 3.00 P.M.	Date of submission of NON-CSR Items rate for various work at 4.00 P.M. (if possible)
1	Temporary illumination for various cultural/national Programme in Nagpur City.	08.04.2021	09.04.2021
2	Annual maintenance of Water Pumps.	08.04.2021	09.04.2021
3	Operation, maintenance & replacing as ATS in Nagpur City.	08.04.2021	09.04.2021
4	Street lighting / Area lighting in Nagpur City.	08.04.2021	09.04.2021
5	Annual maintenance of Air Cooler & water cooler.	08.04.2021	09.04.2021
6	Annual maintenance of Diesel Generator Set.	08.04.2021	09.04.2021
7	Installation of New CCTV System.	08.04.2021	09.04.2021

Note :- These rates will be used for Estimation purpose only.


Executive Engineer (Elect)
Lighting Department, NMC, Nagpur

NAGPUR MUNICIPAL CORPORATION, NAGPUR
ELECTRICAL - DEPARTMENT
SCHEDULE OF RATE

Name of work: Replacement/Repair of Faulty IP CCTV System components.

SR.	ITEM	Spcification	Unit	Rate Rs.
1	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of Full HD fixed focal wide angle WDR network camera confirming to safety standards as per UL, EMC, IEC 60529, IEC 62262 complete with required termination and wall/ ceiling /pole mounting accessories confirming to specifications prescribed.	1/3 type MOS image sensor, resolution: 1,920 x 1,080 pixels (Full HD 1080p) at up to 30 fps, Image compression: H.264, 122dB wide dynamic range, rated to IP66 and NEMA 4X, IK10 vandal resistance, Lens Distortion Compensation to compensate the barrel distortion, Face Super Dynamic which ensures clear face image, 108°horizontal angular Field of View, PoE (Class 2), Approvals: UL (UL60950-1), CE, IEC60950-1, FCC (Part15 Class A), ICES003 Class A, EN55022 Class B, EN55024.	Each	
2	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of Full HD fixed focal WDR network camera with Integrated Infrared Illuminator and optional lens confirming to safety standards as per UL, EMC, IEC 60529 complete with required termination and wall/ ceiling /pole mounting accessories confirming to specifications prescribed.	1/2.7 type high sensitivity CMOS image sensor, resolution: 2560x1440 pixels at up to 30 fps, Image compression: H.264/H.265, 102dB wide dynamic range , 20m (65 feet) irradiation distance, rated to IP66 and NEMA 4X , IK10 vandal resistance, 100° max horizontal angular Field of View, PoE (IEEE802.3af), Approvals: UL (UL60950-1), c-UL (CSA C22.2 No.60950-1), CE, IEC60950-1, FCC (Part15 Class A), ICES003 Class A, EN55032 Class B, EN55024, IEC 62262, IEC60529.	Each	
3	Supply , Installation, testing, commissioning and 1 year onsite warranty and maintainance of Full HD varifocal WDR network camera with Integrated Infrared Illuminator confirming to safety standards as per UL, EMC, IEC 60529, IEC 62262 complete with required termination and wall/ ceiling /pole mounting accessories confirming to specifications prescribed.	1/1.7 MOS image sensor, 4K (3,840 x 2,160) images up to 30 fps, 4.2-25.2mm motorised Ultrawide x6 zoom lens, Image compression: H.264/H.265, Irradiation distance: 30 m{98 ft 5-3/32 inches}, Day / night (ICR), 18° - 101°horizontal angular Field of View, rain wash coated front cover, rated to IP66 and NEMA 4X, IK10 vandal resistance, Approvals: UL (UL60950-1, UL60950-22), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950-1, FCC (Part15 Class A), ICES003 Class A, EN55022 Class B, EN55023 Class B, EN55024, IEC 62262, IEC60529.	Each	
4	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of Full HD fixed focal network camera with Integrated Infrared Illuminator and optional lens confirming to safety standards as per UL, EMC, IEC 60529 complete with required termination and wall/ ceiling /pole mounting accessories confirming to specifications prescribed.	1/2.8 type MOS image sensor, resolution: 1,920 x 1,080 pixels (Full HD 1080p) at up to 30 fps, Image compression: H.264/H.265, Irradiation distance: 30 m{98 ft 5-3/32 inches}, Day / night (ICR), Optional M12 Megapixel 6/8/12/16/25 mm lens, rated to IP66, 87° max horizontal angular Field of View, PoE (Class 0 device) (IEEE802.3af), Approvals: CE, IEC60529, FCC .	Each	
5	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of Full HD varifocal network camera with Integrated Infrared Illuminator confirming to safety standards as per UL, EMC, IEC 60529 complete with required termination and wall/ ceiling /pole mounting accessories confirming to specifications prescribed.	1/2.8 type MOS image sensor, resolution: 1,920 x 1,080 pixels (Full HD 1080p) at up to 30 fps, 2.7-12 mm motorised x4.4 zoom lens, Image compression: H.264/H.265, Irradiation distance: 50 m, Day / night (ICR), rated to IP66, 30° - 98°horizontal angular Field of View, PoE (Class 0 device) (IEEE802.3af), Approvals: CE, IEC60529, FCC .	Each	
6	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of 4MP WDR fixed focal network camera with Integrated Infrared Illuminator and optional lens confirming to safety standards as per UL, EMC, IEC 60529 complete with required termination and wall/ ceiling /pole mounting accessories confirming to specifications prescribed.	1/3 type MOS image sensor, resolution: 2688x1520 pixels at up to 20 fps, Image compression: H.264/H.265, 120dB wide dynamic range, Irradiation distance: 30 m{98 ft 5-3/32 inches}, Day / night (ICR), Optional M12 Megapixel 6/8/12/16/25 mm lens, rated to IP66, 104° max horizontal angular Field of View, PoE (Class 0 device) (IEEE802.3af), Approvals: CE, IEC60529, FCC .	Each	
7	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of PTZ network camera with Integrated Infrared Illuminator confirming to safety standards as per UL, EMC, IEC 60529 complete with required termination and wall/ ceiling /pole mounting accessories confirming to specifications prescribed.	1/3 type MOS image sensor, resolution: 1280 x 960 pixels at up to 30 fps, Image compression: H.264, 4.7mm to 84.6mm motorised x18 zoom lens, Irradiation distance: 100m, Day / night (ICR), Pan Range: 0°~360° continuous rotation, Tilt Range: -2°~90° auto-flip, Pan Speed :0.1 ° ~ 160 ° / sec; Tilt Speed: 0.1 ° ~ 120 ° / sec Preset speed: Pan 240 ° / sec; Tilt 200 ° / sec., Support 8 auto cruise, 5 auto patrol tracks, 5 auto scan, rated to IP66, PoE (Class 0 device) (IEEE802.3af), Approvals: CE, IEC60529, FCC .	Each	

8	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of 640 Mbps Bandwith 64 Channel (expandable upto 128) Network Video Recorder confirming to safety standards as per UL, EMC complete with required termination and Rack mounting accessories confirming to specifications prescribed.	All-in-one recording solution for IP video surveillance system of up to 128 network cameras, H.264 /H.265 video data, 640 Mbps total throughput. (Recording throughput : 384 Mbps, Output throughput : 256 Mbps), 324TB (54 x 6TB HDD) of gross storage capacity with five optional Hard Disk Extension units. hardware RAID 1, RAID 5 and RAID 6 data protection, Max record frame rate: Up to 60 fps per stream, 32 Alarm terminal inputs, 128 camera alarms, 128 command alarms, 9 internal HDD Slots, Approvals: UL (UL60065), FCC (Part15 Class A), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 Class A).	Each	
9	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of 32 Channel Network Video Recorder confirming to safety standards as per EMC complete with required termination and Rack mounting accessories confirming to specifications prescribed.	All-in-one recording solution for IP video surveillance system of up to 32 network cameras, H.264 /H.265 video data, 200 Mbps total throughpu, 12 TB (2 x 6TB HDD) of gross storage capacity Max record frame rate: Up to 30 fps per stream,2 internal HDD Slots, Approvals: FCC, CE.	Each	
10	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of 16 Channel Network Video Recorder confirming to safety standards as per EMC complete with required termination and Rack mounting accessories confirming to specifications prescribed.	All-in-one recording solution for IP video surveillance system of up to 16 network cameras, H.264 /H.265 video data, 200 Mbps total throughpu, 12 TB (2 x 6TB HDD) of gross storage capacity Max record frame rate: Up to 30 fps per stream,2 internal HDD Slots, Approvals: FCC, CE.	Each	
11	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of 08 Channel Network Video Recorder confirming to safety standards as per EMC complete with required termination and Rack mounting accessories confirming to specifications prescribed.	All-in-one recording solution for IP video surveillance system of up to 16 network cameras, H.264 /H.265 video data, 200 Mbps total throughpu, 6 TB (1 x 6TB HDD) of gross storage capacity Max record frame rate: Up to 30 fps per stream,1 internal HDD Slots, Approvals: FCC, CE.	Each	
12	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of 32 inch professional display confirming to safety standards EMC complete with required termination and wall/table mounting accessories confirming to specifications prescribed.	Panel Type: 60 Hz LED, Resolution: 1920x1080 (16:9), Pixel pitch: 0.12125(H) x 0.36375(V), Brightness: 330nit, Contrast Ratio: 5000:1, Viewing angle: 178:178, Response time: 8 ms, Display: 16.7M, Color Gamut: 72%, Max Pixel Freq: 148.5 MHz, Approvals: 60950-1, EMC class B.	Each	
13	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of 43 inch professional display confirming to safety standards EMC complete with required termination and wall/table mounting accessories confirming to specifications prescribed.	Panel Type: 60 Hz LED, Resolution: 1920x1080 (16:9), Pixel pitch: 0.2451(H) x 0.2451(V), Brightness: 350nit, Contrast Ratio: 4000:1, Viewing angle: 178:178, Response time: 8 ms, Display: 16.7M, Color Gamut: 92%, Max Pixel Freq: 594.5 MHz, Approvals: 60950-1, EMC class B, Energystar 70.	Each	
14	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of 65 inch professional display confirming to safety standards EMC complete with required termination and wall/table mounting accessories confirming to specifications prescribed.	Panel Type: 60 Hz LED, Resolution: 1920x1080 (16:9), Pixel pitch: 0.372(H) x 0.372(V), Brightness: 350nit, Contrast Ratio: 4000:1, Viewing angle: 178:178, Response time: 8 ms, Display: 16.7M, Color Gamut: 92%, Max Pixel Freq: 594.5 MHz, Approvals: 60950-1, EMC class B, Energystar 70.	Each	
15	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of 75 inch professional display confirming to safety standards EMC complete with required termination and wall/table mounting accessories confirming to specifications prescribed.	Panel Type: 60 Hz LED, Resolution: 1920x1080 (16:9), Pixel pitch: 0.42975(H) x 0.42975(V), Brightness: 350nit, Contrast Ratio: 4000:1, Viewing angle: 178:178, Response time: 8 ms, Display: 16.7M, Color Gamut: 92%, Max Pixel Freq: 594.5 MHz, Approvals: 60950-1, EMC class B, Energystar 70.	Each	
16	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of 5 GHz 802.11a/n Network Access Point confirming to safety standards as per EN 60529 complete with required termination and wall/ ceiling /pole mounting accessories confirming to specifications prescribed.	Operating frequency: 5150 - 5875 MHz, Antenna gain: 16dBi, Antenna beam width: 23°, Wireless 5 GHz Max data rate: 300 Mbit/s, Wireless 5 GHz number of chains: 2, Wireless 5 GHz standards : 802.11a/n , 10/100 Ethernet port, Approvals: CE, FCC, IC, EAC, ROHS	Each	
17	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of Biometric Time attendance machine confirming to electrical safety standards complete with required termination and wall mounting accessories confirming to specifications prescribed.	Face Capacity: 1000, Card Capacity: 1000, Transactions: 150000, Operation System: Linux, Inbuilt WiFi, 4 inch touch screen, Electric Lock, Door Sensor, Exit Button, Alarm output, Auxiliary Input, TCP/IP and RS485 Communication.	Each	

18	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of 1 TB Hard Disk with required termination accessories confirming to specifications prescribed.	Storage Capacity: 1TB, Cameras supported: 64, Drive Bays Support: 8 bay, Form Factor: 3.5 Inch, Disk Speed: 5400rpm, Interface: SATA, Interface transfer rate (max) ⁴ Buffer to host: 6 Gb/s, Approvals: ROHS.	Each	
19	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of 2 TB Hard Disk with required termination accessories confirming to specifications prescribed.	Storage Capacity: 2TB, Cameras supported: 64, Drive Bays Support: 8 bay, Form Factor: 3.5 Inch, Disk Speed: 5400rpm, Interface: SATA, Interface transfer rate (max) ⁴ Buffer to host: 6 Gb/s, Approvals: ROHS.	Each	
20	Supply , Installation, testing, commissioning and 1 year onsite warranty plus maintainance of 4 TB Hard Disk with required termination accessories confirming to specifications prescribed.	Storage Capacity: 4TB, Cameras supported: 64, Drive Bays Support: 8 bay, Form Factor: 3.5 Inch, Disk Speed: 5400rpm, Interface: SATA, Interface transfer rate (max) ⁴ Buffer to host: 6 Gb/s, Approvals: ROHS.	Each	
21	Repair of faulty 64 CH Panasonic WJ-ND-400 Network Video Recorder.		Each	
22	Repair of faulty Studiomaster VAK 10 conference controller			
23	Repair of Lenovo E- 73		Each	