



RANCHI MUNICIPAL CORPORATION (R.M.C)

Ranchi Municipal Corporation



Tender for Supply, Installation, Commissioning and Testing of CCTV camera with Digital display board and P.A. System with maintenance for 3 years at Khadgada Bus Stand, Kanta Toli, Ranchi For Ranchi Municipal Corporation

:: Address for Communication:

The Municipal Commissioner
Ranchi Municipal Corporation
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RANCHI MUNICIPAL CORPORATION (R.M.C)

D I S C L A I M E R

1. Although ample care has been taken while issuing this Tender Document, the Bidder should satisfy himself that the document is complete in all respects. Intimation of any discrepancy shall be given to our office immediately. If no intimation is received by this office within 3 days from the date of issue of the Tender Document, then this office shall consider that the Document received by the Bidder is complete in all respects and that the Bidder is satisfied that the Tender Document is complete in all respect.
2. R.M.C reserves the right to change any or all of the provisions of this Tender Document before date of submission. Such changes would be intimated to all parties procuring this Tender Document before date of submission.
3. R.M.C reserves the right to reject any or the entire tender without assigning any reasons whatsoever. No correspondence will be entertained on this account.

Signature of Purchaser:

**Signature of
The Municipal Commissioner
Ranchi Municipal Corporation**



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RANCHI MUNICIPAL CORPORATION (R.M.C)

The Ranchi Municipal Corporation (R.M.C) is best known for his mammoth service to the citizen of Ranchi. We always attempt to provide best services to our people of Ranchi. We are one of the municipal corporations of Jharkhand which was selected under JNNURM (Jawaharlal Nehru National Urban Renewal Mission) scheme for the development of our city. In present scenario development can't be achieved completely without the growth of information technology, And in modern management system, timely flow of information is cherished by everybody. To promote the information technology at R.M.C so that our people can access the information about their queries in minimum possible time, we are adopting the e-governance program. The objective of deployment of such security solution is to remain focused on having a transparent administration, quick service, effective security measures and general improvement in the service delivery link.

So to keep proper security measures and ensure ease of public having the reach to the bus stand, RMC has taken up the initiative of the **“Tender for Supply, Installation, Commissioning and Testing of CCTV camera with Digital display board and P.A. System with maintenance for 3 years at Khadgada Bus Stand, Kanta Toli, Ranchi For Ranchi Municipal Corporation”** from the well experienced and reputed companies.



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1. SCOPE OF WORK

The proposed installation of CCTV cameras, digital display board and P.A. system should achieve complete scope of RMC. RMC has identified the points of installation of the CCTV cameras, digital display board and P.A. system. The broad requirement of the above mentioned job is detailed below along with the required specification of the product. RMC has identified 60 points for CCTV camera which will comprise of PTZ, Bullet and DOME cameras. A P.A. System with 16 horn speakers needs to be installed at various places in order to address the passengers, bus drivers and attendants. Digital display boards are to be installed at three locations for the display of daily routine of the decided by the management of the RMC.

The finalized vendor will have to supply, install, commission and maintain the entire setup for a period of three years time. Site survey will be provided to the vendor finalized after the successful bidding of the tender by the officials of RMC. The interested vendors can have a visit of the site on their own in order to have clarifications on their own for the bidding process.

The following is the detailed list of the quantity of materials to be supplied:

CCTV Installation

Sr. No.	Item or Particulars	Quantity
1	PTZ Camera	3
2	Bullet Camera (1 MP, 50 Mts, I.P.)	14
3	Bullet Camera (2 MP, 80 Mtr, I.P.)	8
4	Dome Camera (1 MP, 30 Mtr, I.P.)	4
5	Dome Camera (1 MP, 20 Mtr, I.P.)	6
6	HD NVR PTZ Camera (8 Channel)	1
7	Joystick & Keyboard (HD Controller for PTZ)	1
8	HD NVR for 2 & 1MP Camera (16 Channel)	2
9	Hard disk for storage (4 TB for 30 days backup)	3
10	Display Screen for Camera (32 inches) bus stand control room	3



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P.A. System (Public Addressing System)

Sr. No.	Item or Particulars	Quantity
1	Amplifier (700 Watts)	1
2	Mic (100Hz-12kHz)	1
3	Horn Speaker (40W/100V)	16

LED Display Board

Sr. No.	Item or Particulars	Quantity
1	LED Display Board (Digital, 6feet x 6 feet)	2

The bidders will have to quote the costing of the casing and cabling as per actuals in the format provided in the financial bid. The wiring for installation of the CCTV camera has to be done over CAT6 cable with conduit casing whereas the wiring of the P.A. System and display board will be with 1.5 mm copper wire with conduit casing.

The successful bidder will also have to provide the remote viewing of the CCTV camera installed at the bus stand in the display screen installed at RMC office.

The detail specification of the materials mentioned above is as follows:

Dome Camera (1 MP, 20 Mtr, I.P.) / Dome Camera (1 MP, 30 Mtr, I.P.)

Image Sensor	1/4" Progressive Scan CMOS
Min. Illumination	0.01Lux @ (F1.2, AGC ON) , 0.028Lux @ (F2.0, AGC ON) , 0 Lux with IR
Shutter Speed	1/3 s ~ 1/100,000 s
Lens	2.8mm@ F2.0, Angle of view: 92.5° (4/6/8/12mm optional)
Lens Mount	M12
Day & Night	IR cut filter with auto switch
WDR	Digital WDR
Angle Adjustment	Pan:0° - 360°, Tilt: 0°-75°, Rotation: 0°- 360°
Compression	Standard Video
Video Compression	H.264/MJPEG
H.264 Type	Baseline Profile / Main Profile
Video Bit Rate	32 Kbps - 8 Mbps Image



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Max. Resolution	1280 × 720
Frame Rate	50Hz: 25fps(1280 × 720) 60Hz: 30fps (1280 × 720)
Image Enhancement	BLC/3D DNR
Image Setting	Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser
Network	Network Storage NAS (Support NFS,SMB/CIFS)
Alarm Trigger	Motion detection, Dynamic analysis, Tampering alarm, Network disconnect , IP address conflict, Storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Security	Flash prevention, dual stream, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, anonymous access
Standard	ONVIF, PSIA, CGI, ISAPI Interface
Communication Interface	1 RJ45 10M/100M Ethernet interface

Bullet Camera (1 MP, 50 Mts, I.P.)

Image sensor	1/3" progressive scan CMOS
Min. illumination	0.028lux@F2.0, AGC on 0 Lux with IR
Shutter time	1/30s ~ 1/100,000s
Lens	4mm@F2.0 (6mm, 12mm optional) Angle of view: 75.8
Lens mount	M12
Day & night	ICR
Digital noise reduction	3D DNR
Wide dynamic range	Digital WDR
Backlight compensation	Yes, zone configurable
Video compression	H.264 / MJPE
H.264 compression profile	Main profile
Bit rate	32 Kbps ~ 16 Mbps
Dual stream	Yes
Max. image resolution	1280 x 960
Frame rate	60Hz: 30fps (1280 x 960), 30fps (1280 x 720)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network storage	NAS



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Alarm trigger	Motion detection, tampering alarm
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, HTTPS, FTP, 802.1X, Qos
System compatibility	ONVIF, PSIA, CGI
General functionalities	User authentication, watermark
Communication interface	1 RJ45 10M / 100M ethernet port

Bullet Camera (2 MP, 80 Mtr, I.P.)

Image sensor	1/3" Progressive Scan CMOS
Min. illumination	0.01 Lux @(F1.2,AGC ON), 0 Lux with IR 0.014 Lux @(F1.4,AGC ON), 0 Lux with IR 0.07 Lux @(F1.2,AGC ON), 0 Lux with IR 0.1 Lux @(F1.4,AGC ON), 0 Lux with IR
Shutter time	1/3 s to 1/100,000 s
Lens	4 mm @ F2.0 (6mm, 16mm optional) Angle of view: 85°, 4 mm @ F2.0 (6mm, 16mm optional) Angle of view: 70°
Lens mount	M12
Day & night	ICR
Digital noise reduction	3D DNR
Wide dynamic range	Digital WDR
Video compression	H.264 / MJPEG
H.264	codec profile BaseLine Profile / Main Profile
Bit rate	32 Kbps ~ 12 Mbps Dual Stream Yes
Max. Image Resolution	1920 X 1080 2048 × 1536 Frame rate 50 Hz: 25fps(1920 × 1080), 25 fps (1280 × 960), 25 fps (1280 x 720) 60 Hz: 25fps(1920 × 1080), 30 fps (1280 × 960), 30 fps (1280 x 720) 50Hz: 20fps (2048 × 1536), 25fps (1920 × 1080), 25fps (1280 × 720) 60Hz: 20fps (2048 × 1536), 30fps (1920 × 1080), 30fps (1280 × 720)
Image settings	Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser
Backlight compensation	Yes, zone optional
ROI	Support



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Network storage	NAS
Alarm trigger	Motion detection, tampering alarm, scene change detection, face detection, intrusion detection, Line crossing detection
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
System compatibility	ONVIF, PSIA, CGI, ISAPI General functionalities User Authentication, Watermark, IP address filtering, Anonymous access
Communication interface	1 RJ45 10M / 100M Ethernet interface

PTZ Camera

Image sensor	1/2.8" Progressive Scan CMOS Effective pixel 2230K pixels
Min. illumination	Color: 0.05lux (F1.6, AGC ON), 0 lux with IR ; B/W: 0.01lux (F1.6, AGC ON), 0 lux with IR
White balance	Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp AGC Auto / Manual S / N ratio $\geq 52\text{dB} \geq 50\text{dB}$
Digital noise Reduction	3D DNR
Backlight compensation	HLC/BLC
Wide dynamic range	Digital WDR
Shutter speed	1 ~ 1/10,000s
Day & Night	IR Cut Filter
Digital zoom	16X
Privacy masking	2 privacy masks programmable
Focus mode	Auto / Semiautomatic / Manual
Focal length	4.3 ~ 129mm, 30x 4.7 ~ 94mm, 20x Zoom speed Approx 3s(Optical Wide Tele) Approx 3s(Optical Wide Tele) Angle of view 65.1 ~ 2.34 degree (Wide Tele) 58.3 ~ 3.2 degree (Wide Tele) Min. working distance 10 ~ 1500mm(Wide Tele) 10 ~ 1000mm(Wide Tele) Aperture range F1.6 ~ F5.0 F1.6 ~ F3.5



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	<p>Pan and Tilt Pan / Tilt range Pan: 360° endless; Tilt: 15° ~ 90° (Auto Flip) Pan / Tilt speed Pan Manual Speed: 0.1° ~ 160°/s, Pan Preset Speed: 240°/s Tilt Manual Speed: 0.1° ~ 120°/s, Tilt Preset Speed: 200°/s Proportional zoom Rotation speed can be adjusted automatically according to zoom multiples Number of preset 256 Park action Pattern/Pan scan/Tilt scan/Frame scan/Panorama scan/Random scan Patrol 8 patrols, up to 32 presets per patrol Power off memory Support PTZ position display Support Preset freezing Support Scheduled task Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self test action/Alarm output Infrared IR distance Up to 100m IR intensity Automatically adjusted, depending on the zoom ratio Local Video&Audio Audio input 1 Mic in/Line in interface, Line input: 2 ~ 2.4V[p p]; output impedance: 1KΩ, \pm10% Audio output 1 Audio output interface, Line level, impedance: 600Ω</p>
Network Ethernet	10BaseT / 100BaseTX, RJ45 connector
Max. image resolution	1920 \times 1080 Frame rate 50Hz: 25 fps (1920 \times 1080), 25 fps (1280 \times 960) , 25 fps (1280 \times 720) 60Hz: 30 fps (1920 \times 1080), 30 fps (1280 \times 960) , 30 fps (1280 \times 720)
Image compression	H.264/MJPEG
Audio compression	G.711u /G.711a /G.726 /MP2L2
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE Simultaneous live view Up to 6 Streams Dual streams Mini SDmemory card Micro SD slot, up to 32GB User/Host level Up to 32 users, 3 Levels: Administrator, Operator, User Security measures User authentication (ID and



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	PW), Host authentication (MAC address), IP address filtering Integration Application programming Open ended API, support Onvif, PSIA and CGI
Web browser	IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+

HD NVR (8 Channel / 16 Channel)

Video/ Audio input	8ch at 4CIF resolution/4ch at 720P resolution/2ch at UXGA resolution (or 4ch in non-real time) / 16ch at 4CIF resolution/8ch at 720P resolution/4ch at UXGA resolution(or 8ch in real time)
CVBS output	2ch, BNC(1.0Vp/p, 75Ω) Resolution: 704×576(PAL); 704×480(NTSC)
HDMI output	1ch, resolution: 1024×768/60Hz, 1280×1024/60Hz, 1920×1080/60Hz
VGA output	1ch, resolution: 1024×768/60Hz, 1024×768/70Hz, 1280×1024/60Hz
Audio output	2ch, BNC(Linear Electrical Level, 600Ω)
Synchronous playback	8ch, 16ch
Hard Type	8 SATA interfaces disk
Capacity	More than 2TB
Voice talk	2ch, BNC(2.0Vp/p, 1kΩ)
Network interface	1RJ45, 10/100/1000Mbps self
adaptive Ethernet interface	
USB interface	3, USB2.0 1 RS485
serial interface	1 RS232 serial interface Serial interface 1 RS485 keyboard serial interface
Alarm in	16
Alarm out	4
Chassis	19" standard 2U chassis



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Amplifier (700 Watts)

MICROPHONE	
RF Output Power	10mW (Max.)
Modulation Mode	FM
Microphone Element	Condenser, Cardioid
Maximum Deviation	$\hat{A}\pm 18\text{kHz}$
Frequency Response	100Hz-12kHz
Power Requirement	2 \hat{A} —1.5V Pencil Cells
Current Consumption	<40mA
Controls	ON/OFF Switch
Indication	Red Ring LED in the gooseneck
Dimensions	W145 \hat{A} — H50 \hat{A} — D155 mm
RECEIVER	
Frequency Stability	$\hat{A}\pm 0.005\%$
Audio Output	0-50mV adjustable
S/N Ratio	>90dB
Distortion	<0.5%
Antenna Type	Telescopic
Power Requirement	220V-240V AC 50Hz for AC adaptor(supplied alongwith)
Controls	Power Switch, Output Volume Control
Indication	Red LED for Power ON, Green & Red LEDs for Signal
Dimensions	W152 \hat{A} —H40 \hat{A} —D110 mm

Mic (100Hz-12kHz)

Power Output	950W Max., 700W RMS at 10% THD, 600W RMS at 5% THD, 570W RMS at 2% THD
Output Regulation	≤ 2 dB, no load to full load at 1kHz
Input Channels	7 \times Mic 0.8mV/4.7k Ω , 2 \times Aux 100mV/50k Ω
Frequency Response	50-15,000Hz ± 3 dB
Signal to Noise Ratio	60dB
Tone Controls	Bass: ± 10 dB at 100Hz, Treble: ± 10 dB at 10kHz
Outputs	Preamp 200mV/600 Ω , Line 1V/1k Ω
Speaker Outputs	2 Ω , 4 Ω , 70V & 100V
Power Supply	AC: 220-240V 50/60Hz DC: 36V (3 \times 12V Car Battery)
Power Consumption	AC: 1100VA DC: 11A
Dimensions	W510 \times H185 \times D400 mm
Weight	38.0kg



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Horn Speaker (40W/100V)

Input Power	40W RMS/60W Max.
Power Taps	40/30/20/10/5W
Impedance	250/330/500/1k/2
SPL at 1kHz	112.5dB/1W/1m 128.5dB/40W/1m
Dimensions	400 x 200 (L422) mm

LED Display Board (Digital, 6feet x 6 feet)

Pixel Pitch	10mm
Chip of LED	Epistar
LED per pixe	1R + 1PG + 1PB (first selection LEDs, to ensure color uniformity)
Resolution	10000 pixle/m ² (Real) (uniform mly spread over the surface, to ensure homogeneity)
LED Number per/m²	30000
Single Module Dimension/Pixel(W x H)	160mm x 160mm
Single Cabinet Dimension/Pixel(W x H)	960mm×960mm X 150mm (Steel)
Screen Dimension(W x H)	1920mm x1920mm
Screen Surface Area	3.686m ²
Screen Graphic Definition	192x192 dots(Real pixle)
Screen Configuration(W×H)	2x2 cabinets (Modular structure, allow any shape and size)
Cabinet Material	Steel
Screen Weight	55KG/sqm(Steel)
Driver IC	MBI5020
Power Supply	Chuanglian with CE
Best View Distancing	10 to 130 m
Vertical Viewing Angle	40° (Standard LEDs Viewing Angle)
Horizontal Viewing Angle	120° (Standard LEDs Viewing Angle)
Brightness	>7500cd/m ² Ensure brilliant images
Brightness Adjustment	Manual, 256 level; Auto, 8 levels
Grey Scale	16,384 Shades Per Color
Operating	Temperature -30°C~+60°C 10%~95%RH
LEDs Lifetime	>100,000 Hours(over 11 years lifetime)
Defect Rate	≤0.0002
Color Temperature	6500K±500
Synchronized with	computer monitor
Refresh Rat	20 to 4000HZ
Frame Rate	> 60 frames/sec
Humidity	0 to 90%



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Water proof	IP65
Screen Power	Max: 750w/㎡ Average: 400w/㎡
MTBF	> 100,000 hours
Control Method	Synchronized with computer monitor
Operating Temperature	-30°C~+60°C 10%~95%RH
LEDs Lifetime	>100,000 Hours(over 11 years lifetime)
Data Transfer Method	RJ45
Input Voltage	AC110V/220V/380V±10%
Color	16.8 millions
Support Mode	VGA, 800*800 display synchronically with the computer, correspondence dot to dot
Control Distance	120 m (no repeating); Optical fiber transmission: 500m
10km	
Systems Operating Platform	WINDOWS with a friendly UI, and interfaces for secondary development.

2. COST OF DOCUMENT

The Tender document is available for sale against non-refundable payment of Rs. 1,000 (Rupees One Thousand only) by demand draft drawn in favor of "Ranchi Municipal Corporation" payable at Ranchi. The Tender Document is not transferable to any other bidder.

3. ELIGIBILITY CRITERION

3.1. The bidding company should be a company registered in India under the Companies Act, 1956.

3.2. The bidding company should have a valid ISO 9001:2000 certification.

3.3. The Bidding Company should have an average turnover of INR 50 Lakhs during the last 3 years and also should have a positive Net Worth. (Copy of the audited profit and loss account/ balance sheet/ annual report of the last three financial years are required).

3.4. The bidder must have experience of installation of CCTV camera of at least 5 parties in the last 5 years. (Order copy of the same to be submitted)



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- 3.5. The bidder must have experience of installation of all three products for at least 1 parties (Govt./ PSU/ State Govt./ Reputed Private Firm) in the last 3 years. (Order copy of the same to be submitted)
- 3.6. The Bidding Company should have at least 2 Projects of similar nature in Central/State Govt. / PSU / reputed business house in India since last 5 years order value not less than INR 10 Lakhs.
- 3.7. All bids shall be duly signed by a person authorized by the Management or authorized signatory of the company on whose behalf the bid is submitted (Original copy of authorization to be attached).
- 3.8. Only one proposal will be accepted from one company.
- 3.9. The Bidding Company should not have been blacklisted by any Govt. Organization / PSU in India.
- 3.10. The bidding company should have a valid local TIN/VAT Number and Service Tax Number.

4. BIDDER ENQUIRIES AND RMC RESPONSE

All enquiries / clarifications from the bidders, related to this tender must be directed in writing exclusively to the contact person notified by RMC. The preferred mode of delivering written questions to the aforementioned contact person would be through registered post or email. Telephone calls will not be accepted. In no event will the RMC be responsible for ensuring that bidders' inquiries have been received by the RMC.

After distribution of the tender, the contact person notified by RMC will begin accepting written questions from the bidders. The RMC will endeavor to provide a full, complete, accurate, and timely response to all questions. However, the RMC makes no representation or warranty as to the completeness or accuracy of any response, nor does the RMC undertake to answer all the queries that have been posed by the bidders. The responses to the queries from all bidders will be distributed to all. No request for clarification from any bidder shall be entertained after fixed date.



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5. PROPOSAL PREPARATION COSTS

The bidder is responsible for all costs incurred in connection with participation in this process, including, but not limited to, costs incurred in conduct of informative and other diligence activities, participation in meetings/discussions/presentations, preparation of proposal, in providing any additional information required by RMC to facilitate the evaluation process, and in negotiating a definitive Service Agreement or all such activities related to the bid process. This RFP does not commit the RMC to award a contract or to engage in negotiations. Further, no reimbursable cost may be incurred in anticipation of award.

6. RIGHT TO TERMINATE PROCESS

- a. The right of final acceptance of the tender is entirely vested with the Municipal Commissioner, RMC, who reserves the right to accept or reject, any or all of the tenders in full or in parts without assigning any reason whatsoever.
- b. There is no obligation on the part of RMC to communicate with rejected Bidders

7. BID SECURITY AND ITS AMOUNT

- a. Bidders shall submit, along with their Bids, Bid security or EMD of 2% of the project value (Two Percent), in the form of a Demand Draft in favour of "Ranchi Municipal Corporation", payable at Ranchi. The DD shall be enclosed with the pre-qualification bid.
- b. The EMD would be refunded to all unsuccessful bidders at the expense of the Bidders within a reasonable time consistent with the rules and regulations in this behalf. The EMD of successful bidder would be adjusted towards partial fulfillment of the requirement of Performance Guarantee and will be returned only after the successful fulfillment of the Contract.
- c. Bid without adequate bid security/ EMD will be liable for rejection without providing any opportunity to the bidder concerned.
- d. The above EMD held by RMC till it is returned to the unsuccessful Bidders will not earn any interest thereof.

8. DUE DATE AND TIME

- a. Proposals must be received in hand by the RMC at the address specified below:
Venue: Market Section, Ranchi Municipal Corporation.



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- b. Last Date & Time of submission: Before 3:00 P.M. on 29.02.2016.
- c. The RMC may, in exceptional circumstances and at its discretion, extend the deadline for submission of proposals by issuing an Addendum or by intimating all bidders who have been provided the proposal documents, in writing or by facsimile or through email.

9. BID OPENING

- a. The tenders will be received up to 3.00 p.m. on 29.02.2016 and the Technical bid will be opened at 4:00 P.M on the 02.03.2016 by the Municipal Commissioner , RMC or any other officer authorized by him on his behalf at RMC, in the presence of such of those Bidders or their representatives who may be present at the time of opening.
- b. The technical bid will be evaluated to verify the eligibility of the bidder and to check that other documents are in order. The Technical Bid of only the bidders who qualify in the pre-qualification check shall be opened for technical evaluation.
- c. Technical Bid will be evaluated as per the evaluation criteria specified in the Tender and list of technically qualified Bidders will be prepared by RMC. The technically qualified Bidders alone will be informed of the date of opening of the Price Bid. The Price Bids of technically qualified Bidders will alone be opened and evaluated. The decision of RMC shall be final in this regard.

10. TENDER REJECTION CRITERIA

- a. Tenders not submitted in the form specified as per the format given in proposal instruction of this Tender document will be summarily rejected.
- b. The tenders with the pre-qualification bid not containing Tender Document cost (for those Bidders who have downloaded the document) or receipt of proof of payment of the tender document fee, and/or EMD amount will be summarily rejected.
- c. Tenders with incomplete information, subjective and conditional offers as well as partial offers will be liable for rejection.
- d. Tenders submitted without the enclosures to prove about the Bidder's specific experience in consultancy project, Order Value in Consultancy projects, proposed work plan approach and methodology and CV's of experts.



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- e. Tenders with variance/contradiction between Technical cum Commercial Bid and Price Bid will be liable for rejection. If the offer does not meet the tender requirements, the Municipal Commissioner, RMC reserves the right to reject any or all the tenders without assigning any reason whatsoever.
- f. Tenders without the signed copy of the Tender Documents in the respective envelopes will be summarily rejected.
- g. Tenders submitted without audited financial statements of the Bidder are liable for rejection.
- h. In addition to the above rejection criteria, if there is non-compliance of any of the clauses of this Tender Document, the Tenders are liable for rejection.
- i. Incomplete details as above will be treated as non-responsive offer and the tender is liable for rejection.

11. PROPOSAL INSTRUCTIONS AND CONDITIONS

Proposals must be direct, concise, and complete. All information not directly relevant to this tender should be omitted. The RMC will evaluate bidder's proposal based upon its clarity and the directness of its response to the requirements of the projects as outlined in this Tender document. The bidder must submit, in separate covers "Pre-qualification Bid", "Technical Bid" and a "Commercial Bid", as described in this Section. Failure to submit separate technical and commercial proposals may result in disqualification of the proposal.

Bid submitted by the bidder shall comprise the following documents:

- a. The cost of Tender Document by way of crossed DD for Rs. 1,000 (Rupees One thousand) for those bidders, who have downloaded the bid documents. The bidders, who would have purchased the bid document need to submit a copy of the receipt.
- b. EMD amount of 2% (Two Percent) in the form of DD
- c. Proposal covering letter
- d. Pre-qualification Proposal containing data to support the qualification of the bidder to bid for the project, as given in Annexure I
- e. Technical Bid in the format as specified in clause mentioned below.



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- f. Commercial Bid as specified in clause mentioned below.
- g. Any other information that is required to be submitted in the proposal process.

12. PRE-QUALIFICATION PROPOSAL

The pre-qualification proposal will be used to evaluate if the bidder's technical skill base and financial capacity are consistent with the needs of the project and meets the eligibility criteria as mentioned in section 3.0. The pre-qualification proposal must have at the minimum:

- a. Completed Forms as given in Annexure I
- b. Supporting documents for the information given in the pre-qualification bid.
- c. EMD in the form of DD.
- d. Cost of the tender document in the form of DD or the proof of payment of the fee by way of the receipt,

The pre-qualification proposal cover must be super scribed as **“Tender for Supply, Installation, Commissioning and Testing of CCTV camera with Digital display board and P.A. System with maintenance for 3 years at Khadgada Bus Stand, Kanta Toli, Ranchi For Ranchi Municipal Corporation”**

13. TECHNICAL PROPOSAL

- a. The Technical Proposal cover should be super scribed as **“Technical Bid – Tender for Supply, Installation, Commissioning and Testing of CCTV camera with Digital display board and P.A. System with maintenance for 3 years at Khadgada Bus Stand, Kanta Toli, Ranchi For Ranchi Municipal Corporation”**.
- b. The technical Bid should contain the signed and sealed completed forms of the Technical bid along with relevant enclosures.
- c. Technical approach, methodology and work plan are the key components of the Technical Proposal.
- d. The technical proposal should address the following at the minimum:
 - i. Technical Approach and Methodology- This should explain your understanding of the objectives of the assignment, approach to the services,



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- methodology for carrying out the activities and obtaining the expected output, and the degree of detail of such output. You should highlight the problems being addressed and their importance, and explain the technical approach you would adopt to address them. You should also explain the methodologies you propose to adopt and highlight the compatibility of those methodologies with the proposed approach.
- ii. **Work Plan-** In this chapter bidder should propose the main activities of the assignment, their content and duration, phasing and interrelations, milestones (including interim approvals by the Client), and delivery dates of the reports. The proposed work plan should be consistent with the technical approach and methodology, showing understanding of the assignment and ability to translate them into a feasible working plan. A list of the final documents, including reports, drawings and tables to be delivered as final output, should be included here.
 - iii. **Organization and staffing-** In this chapter you should propose the structure and composition of your team. You should list the main disciplines of the assignment, the key expert responsible, and proposed technical and support staff.
- e. The technical proposal must not contain any pricing information.
 - f. In submitting additional information, please mark it as supplemental to the required response. If the bidder wishes to propose additional services (or enhanced levels of services) beyond the scope of this RFP, the proposal must include a description of such services as a separate attachment to the proposal.

14. COMMERCIAL PROPOSAL

The Commercial Proposal as prescribed in the Tender should be filled up and sealed along with enclosures in a separate cover superscripted as **“Commercial Bid – Tender for Supply, Installation, Commissioning and Testing of CCTV camera with Digital display board and P.A. System with maintenance for 3 years at Khadgada Bus Stand, Kanta Toli, Ranchi For Ranchi Municipal Corporation.”** The address of the bidder should also be clearly mentioned on the envelope.

15. OUTER COVER

The pre-qualification bid cover, Technical Bid cover and Commercial Bid cover should then be put in a single outer cover, sealed and be super scribed as **“Tender for Supply, Installation, Commissioning and Testing of CCTV camera with Digital display board and P.A. System with maintenance for 3 years at Khadgada Bus Stand, Kanta Toli, Ranchi For Ranchi Municipal Corporation”**.



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The address of the Bidder should be clearly written in the cover. The covers received without superscription are liable for rejection. The tenders not submitted as specified in the above clauses will be summarily rejected.

16. SIGNATURE

The covering letter must be signed with the bidder's name and by a representative of the bidder, who is authorized to commit the bidder to contractual obligations. All obligations committed by such signatories must be fulfilled.

17. SUBMISSION OF PROPOSAL

- a. The bidder shall submit a sealed cover consisting of two (2) copies of all the bid documents. Sealed proposals must be received at the Tender Receipt Counter, of the Ranchi Municipal Corporation by 3.00 p.m. on 29.02.2016.

Both of the copies of the bids (Original and Duplicate) must consist of the following:

- i. Pre-qualification Bid, super scribing on the right hand side top of the cover as pre-qualification bid
 - ii. Technical Bid, super scribing on the right hand side top of the cover as Technical Bid
 - iii. Commercial Bid super scribing on the right hand side top of the cover as Commercial Bid.
- b. The RMC will not accept delivery of proposal by fax or e-mail. Proposal received by facsimile shall be treated as defective, invalid and rejected.
 - c. The proposal documents shall be submitted as two complete sets following exactly, the conventions set forth above, clearly marked Original and Duplicate. In case of discrepancy, the copy marked original shall be treated as correct. The vendor must also submit a soft copy of the technical proposal on a CD.
 - d. The original and copies of the commercial bid, each consisting of the documents listed in instructions and Proposal Cover Letters, shall be typed or written in indelible ink and shall be signed by the bidder or a person /persons duly authorized to bind the Bidder to the contract.



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- e. All copies of the pre-qualification, technical and commercial bid must be submitted in a sealed package. The outside of the package must clearly indicate the name of the project ("**Tender for design, development, implementation and maintenance of Project and fund management and monitoring System of engineering division at Ranchi Municipal Corporation**"), the time and date for responding, the bidder's name and address, and the names of primary and secondary contact persons. Failure to adequately address the outside of a package could cause a proposal to be misdirected or received at the required destination after the deadline.

18. PERIOD OF VALIDITY OF PROPOSAL

- a. The offer submitted by the bidder shall be valid for a period of 90 days from the date of submission of the tender. A proposal valid for a shorter period may be rejected as non-responsive.
- b. In exceptional circumstances, RMC may solicit the bidder's consent for an extension of the validity period. The request and the responses thereto shall be made in writing (or by fax or email).

19. AMENDMENT OF REQUEST FOR PROPOSAL

At any time prior to the deadline for submission of proposals, RMC, for any reason, may modify the RFP by amendment notified in writing or by fax or email to all bidders who have received this RFP and such amendment shall be binding on them. RMC, at its discretion, may extend the deadline for the submission of proposals.

20. BID EVALUATION PROCESS

RMC will prepare a list of firms based on the compliance to all the terms and conditions of the tender. The tenders, which do not conform to the tender conditions and tenders from firms without adequate capabilities as per tender requirements shall be straight away rejected, without specifying any reason. All eligible tenders will be considered for further evaluation. The decision of RMC will be final in this regard



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20.1. EVALUATION OF PRE-QUALIFICATION BIDS

- a. The documentation furnished by the bidder will be examined prima facie to see if the technical skill base and financial capacity and other bidder attributes claimed therein are consistent with the requirements of this project and meet the eligibility criteria as specified above.
- b. The evaluation committee may ask bidder(s) for additional information, visit to bidders site and/or arrange discussions with their professional, technical faculties to verify the claims made in bid documentation.
- c. Any proposal not complying with the requirements of the eligibility criteria may not be processed further.

20.2 EVALUATION OF TECHNICAL BIDS

The technical proposals of only those bidders, who qualify in the evaluation of the pre-qualification proposals, shall be opened. The Technical Bid will be examined by the evaluation committee on the basis of responsiveness to the Terms of Reference, applying the evaluation criteria and points system specified.

21. NEGOTIATION WITH SUCCESSFUL BIDDER

As per the evaluation criteria specified above in this Tender Document, selection of the Successful Bidder will be made and such Bidder will be called for negotiations for improvement of Terms of Reference and Scope of Work and commercial terms. RMC reserves the right to negotiate with the Successful Bidder. While negotiating, the following aspects may be considered:

- Further reduction in consultancy charges and retainer-ship charges for undertaking the Work
- Advancing the delivery schedule
- Additional services

22. AWARD OF CONTRACT

22.1. LETTER OF ACCEPTANCE

After successful completion of the negotiations, a Letter of Acceptance of tender will be issued to the successful Bidder by RMC.

22.2. FORFEITURE OF EMD



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If the successful Bidder fails to act according to the tender conditions or backs out after his tender has been accepted, his EMD will be forfeited to RMC

22.3. SIGNING OF CONTRACT

- i. The successful Bidder should execute an agreement for the fulfillment of the contract with RMC at the time of execution within one week from the date of acceptance of the tender. If the same is not executed within one week, the EMD of the Bidder will be forfeited and their tender will be held as non-responsive.
- ii. The expenses incidental to the execution of the agreement should be borne by the successful Bidder.
- iii. The conditions stipulated in the agreement should be strictly adhered to and violation of any of the conditions will entail termination of the contract without prejudice to the rights of RMC and RMC also have the right to recover any consequential losses from the successful Bidder.

22.4. PERFORMANCE BANK GUARANTEE (PBG)

- a. The successful bidder shall at his own expense deposit with RMC, within fifteen (15) working days of the date of notice of award of the contract or prior to signing of the contract whichever is earlier, an unconditional and irrevocable Performance Bank Guarantee (PBG) from a scheduled bank, payable on demand, for the due performance and fulfillment of the contract by the bidder.
- b. This Performance Bank Guarantee will be for an amount equivalent to 10% of contract value. All incidental charges whatsoever such as premium; commission etc. with respect to the performance bank guarantee shall be borne by the bidder. The Bank Guarantee shall be valid for a period of twenty seven months from the date of acceptance of tender. If the accepted Bidder fails to furnish the bank guarantee within the above said period, the EMD remitted by him will be forfeited to RMC and his tender will be held void. The PBG furnished by the Bidder in respect of his tender will be returned to him at the end of the contract period subject to satisfaction of RMC.
- c. If the Bidder failed to act up on to the tender conditions or backs out when his tender is accepted, his PBG mentioned above will also be forfeited to RMC.

22.5. RELEASE OF WORK ORDER

After the execution of the agreements specified in the Tender Document and after receipt of the PBG, RMC will release the formal work order to the successful Bidder on behalf of Government of Jharkhand.



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22.6. EXECUTION OF WORK ORDER

The successful Bidder should nominate and intimate to RMC the name of an Project Manager specifically to handle the Work Order. The successful Bidder should ensure that he fully familiarizes with the terms and conditions of the Tender, Scope of Work and the guidelines.

22.7. ASSIGNING THE TENDER ON THE WHOLE OR PART

The successful Bidder shall not assign or make over the contract, the benefit or burden thereof to any other person or persons or body corporate. He shall not underlet or sublet to any person(s) or body corporate for the execution of the contract or any part thereof.

22.8. SUBMISSION OF DELIVERABLES

The submission of Deliverables should be made strictly in accordance with the Scope of Work in the Tender Document and should get necessary approval from Government of Jharkhand/RMC. If the delivery is not affected as per tender, Government of Jharkhand/RMC has the right to cancel the order and to take any such action which will be deemed fit in such circumstances.

23. PAYMENT TERMS

The following will be the terms of payment to the vendor:

::Part A::

S.N.	Milestone	PAYMENT
1	On issuance of work order (Against Performance Bank Guarantee)	20%
2	On physical delivery of the Product	30%
3	On installation and commissioning with successful test run	20%
4	On final sign off from RMC	20%
5	After 3 months of the final sign off	10%



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::Part B::

Bidders also need quote the AMC charges on percentage after the successful completion of 3 years.

24. OTHER TERMS AND CONDITIONS

- a. The final decision would be based on the technical capacity and pricing. RMC does not bind itself in selecting the firm offering lowest prices.
- b. The Bids should be submitted neatly and all corrections, over-typing should be attested with seal.
- c. RMC reserves the right to not to accept lowest price, to reject any or all the tenders without assigning any reason, to relax or waive any of the conditions stipulated in the terms and conditions of tender as deemed necessary in the best interest of Government of Jharkhand/RMC for good and sufficient reasons.
- d. RMC will not pay any increase in duties, taxes and surcharges on account of any revision by the Government after expiry of the stipulated delivery period in the work Order.
- e. In case of any dispute, the matter will be referred to an Arbitrator under "Arbitration and Conciliation Act 1996". The arbitration shall be held in Ranchi only and the Courts at Ranchi only shall have jurisdiction in relation thereto.

25. PUBLICITY

Any publicity by the bidder/vendor in which the name of Ranchi Municipal Corporation is to be used should be done only with the explicit written permission of RMC.

26. LIQUIDATED DAMAGES

If the vendor fails to deliver any or all of the product or does not perform the Services within the time period(s) specified in the Contract, RMC shall, without prejudice to its other remedies under the Contract, deduct from the Contract price, as liquidated damages, a sum equivalent to 0.5 percent of the price of the undelivered product at the stipulated rate for each week or part thereof during which the delivery of such product may be delayed subject to a maximum limit of 5 percent of the stipulated price of the product so undelivered. Such penalty is to be deducted always by the RMC from the bill of the firm. Once the maximum of the damages above is reached, RMC may consider termination of the Contract.



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27. ORDER OF CANCELLATION

RMC also reserves the right to cancel the order in the event of one or more of the following circumstances:

- a. Breach by the tenders of any of the terms and conditions of the tender.
- b. If the tenderer goes in to liquidation voluntarily or otherwise.

In addition to the cancellation of contract, RMC reserves the right to forfeit the performance guarantee submitted to it by the tenderer.

28. INDEMNITY

The successful bidder shall indemnify, protect and save RMC against all claims, losses, costs damages, expenses, action suits and other proceeding, resulting from infringement of any patent, trademarks, copyrights etc. or such other statutory infringements in respects of all the hardware and software supplied by him.



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29. ANNEXURE –I

A. GENERAL INFORMATION ON COMPANY

S. No	Particulars	Details to be furnished		
Details of the Bidder (firm/company)				
1.	Name			
2.	Address			
3.	Telephone		Fax	
4.	E-mail		Website	
Details of Authorized person				
5.	Name			
6.	Address			
7.	Telephone		E-mail	
Information about the company				
8.	Status of company (Public Ltd. / Pvt. Ltd.)			
9.	Details of Registration of firm/company (Provide Ref e.g. ROC Ref #) (enclose the necessary documentary proof)	Date		
10.		Ref #		
10	Number of professionals			
11	Locations and addresses of offices (in India and overseas)			
12	Service Tax Registration Number			
13	Enclose Latest STCC			
14	Services provided by the company			
15	Years in the software development			
16	Details of in house development center in India.			

B. FINANCIAL STATEMENTS

Turnover of the Company				Net Worth certificate of the Company as on 31 st March 2015
FY 2012-13	FY 2013-14	FY 2014-15	Average of last 3 FYs	

In support, audited Annual Financial Statements should be enclosed.



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C. EXPERIENCE OF COMISSIONING OF CCTV CAMERA

S. No.	Name of the Customer	Project name and brief scope of services provided by the bidder	Start date	End Date	Order Value
1					
2					
3					
4					
5					

Copy / Proof of work order issued / agreement.

D. DETAILS OF THE SIMILAR PROJECTS

Using the format below, provide information on each assignment for which your firm, and each associate for this assignment, was legally contracted either individually as a corporate entity or as one of the major companies within an associations, for carrying out consulting services similar to the ones requested under this assignment:

Project

S No.	Particulars
1	Name of Project
2	Client Name
3	Project Engagement period, Start date and End date
4	Agreement No. and date
5	Fee Amount
6	Scope of work
7	No. of professionals provided for the Engagement
8	No of staff months

Copy / Proof of work order or completion certificate



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30. ANNEXURE –II

COMMERCIAL BID FORMAT

Supply of Items

Sr. No.	Items	Quantity	Unit Price	Amount
1				
	Dome Camera (1 MP, 20 Mtr, IP)			
	Dome Camera (1 MP, 30 Mtr, IP)			
	Bullet Camera (1 MP, 50 Mtr, IP)			
	Bullet Camera (2 MP, 80 Mtr, IP)			
	PTZ Camera			
	HD NVR PTZ Camera (8 Ch)			
2	HD NVR for 2 & 1MP Camera (16 Ch)			
3	Amplifier			
4	Mic			
5	Horn Speaker			
6	Digital LED Display (6 feet x 6 feet min.)			
7	Display Screen for Camera (32 Inches)			
8	Hard disk for storage (4 TB)			
9	Joystick & Keyboard			
Total				
VAT				
Service Tax				
Final Amount				



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Wiring (Cabling and Casing)

Sr.No.	Description	Unit	Amount
1	Cabling and casing for CCTV cameras using CAT6 Cable	Per Mtr.	
2	Cabling and casing for P.A. System and Display board using 1.5 mm copper wire	Per Mtr.	
Service Tax			

- a. The rate quoted should also have the service tax and VAT where required.
- b. The rates shall be quoted in figure and only one rate shall be quoted in each item.
- c. Conditional tenders will not be accepted and rates once fixed shall be valid for the entire period of the contract.
- d. Relevant documents related to the specification of the product should also be attached from the OEM.