

Bid Document

Bid Details	
Bid End Date/Time	09-06-2022 17:00:00
Bid Opening Date/Time	09-06-2022 17:30:00
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Health And Family Welfare
Department Name	Department Of Health And Family Welfare
Organisation Name	All India Institute Of Medical Sciences (aiims)
Office Name	Raipur
Total Quantity	22326
Item Category	Camera for CCTV System (Q2) , All in One PC (Q2) , Professional Large Format Display (Q2) , Video Management System Software (Q2) , Layer 2 Access Switch Rev 1 (Q2) , Networking/Server Rack (Q2) , Online Ups-IS:9000 (Q3) , Network Monitoring Software (Version 2.0) (Q3) , Fibre Cable for Networking (Q3) , Power cord-Flexible electric cable Heating cables or Wire cotton Power for Heater as per IS:694/as per IS:9968 (Part-1 and 2) (Q3) , Hdpe Pipes For Water Supply-IS 4984 (Q4) , Insulated Electrical Conduits Pipe-IS 9537 (Q3) , CAT 6 Cable for Indoor use (Q3) , Client Workstation for Monitoring the Video Analytics Video Feeds (Q3) , PoE Surge Protector , 12U or 24U Fibre Splicing Box , 12Uor 24U Cat 6 Cable Manager , GI Pipe with Laying , Virtulaised Computing Machine , Server , Storage
BOQ Title	Accessories Server and Storage
Minimum Average Annual Turnover of the bidder (For 3 Years)	110 Lakh (s)
Years of Past Experience Required for same/similar service	3 Year (s)
MSE Exemption for Years Of Experience	Yes
Startup Exemption for Years Of Experience	Yes
Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Past Performance	80 %
Bid to RA enabled	Yes
RA Qualification Rule	50% Lowest Priced Technically Qualified Bidders

Bid Details

Primary product category	Camera for CCTV System
Time allowed for Technical Clarifications during technical evaluation	3 Days
Evaluation Method	Total value wise evaluation

EMD Detail

Advisory Bank	Bank of India
EMD Percentage(%)	3.00
EMD Amount	1484967

ePBG Detail

Advisory Bank	Bank of India
ePBG Percentage(%)	3.00
Duration of ePBG required (Months).	62

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

AIIMS, Raipur
AIIMS, Raipur
(Aims, Raipur)

Splitting

Bid splitting not applied.

Reserved for Make In India products

Reserved for Make In India products	Yes
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MSE Purchase Preference

MSE Purchase Preference	Yes
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1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria". If the bidder is OEM of the offered products, it would also be exempted from the "OEM Average Turnover" criteria. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria". If the bidder is OEM of the offered products, it would also be exempted from the "OEM

Average Turnover" criteria. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

3. 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.

4. 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.

5. Bid reserved for Make In India products: : Procurement under this bid is reserved for purchase from Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. However, eligible micro and small enterprises will be allowed to participate. The minimum local content to qualify as a class 1 local supplier is denoted in the bid document. All bidders must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which the bid is liable to be rejected. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020 . In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

6. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer)of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

7. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

8. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 80% 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.

9. Reverse Auction would be conducted amongst first 50% of the technically qualified bidders arranged in the order of prices from lowest to highest. Number of sellers eligible for participating in RA would be rounded off to next higher integer value if number of technically qualified bidders is odd (e.g. if 7 bids are technically qualified, then RA will be conducted amongst L-1 to L-4). In case number of technically qualified bidders are 2 or 3, RA will be between all without any elimination. If Buyer has chosen to split the bid amongst N sellers, then minimum N sellers would be taken to RA round. In case Primary products of only one OEM are left in contention for participation in RA based on lowest 50% bidders qualifying for RA, the number of sellers qualifying for RA would be increased to get at least products of one more OEM (directly participated or through its reseller) if available. Further, if bid(s) of any seller(s) eligible for MSE preference is / are coming within price band of 15% of Non MSE L-1 or if bid of any seller(s) eligible for Make in India preference is / are coming within price band of 20% of non MII L-1, then such MSE / Make in India seller shall also be allowed to participate in the RA process.

Camera For CCTV System (100 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
IMAGE SENSOR	Image Sensor Type	CMOS
	Image Sensor Size	1, 0.67, 0.5, 0.357, 0.37, 0.4, 0.555, 0.526, 0.588, 0.544 Or higher
	Camera Image Sensing capacity (Picture Mode)	2MP
	Resolution	Full HD (1920 x 1080 Pixel)
	Day/Night Capable	Yes
	IR illumination Range(mtr)	50
CAMERA TYPE	Type of Camera Housing	DOME CAMERA
	IP Camera	Yes
	PTZ Camera	No
OPTICS	Lens Type	Varifocal
	Focal Length(mm)	2.8 - 12
	Iris Control	Fixed iris
	Focus Mode	Manual
VIDEO	Frame Rate (fps)	25
	Video Compression	H.264, MJPEG
	Video Streaming	Dual compressed stream
PAN / TILT / ZOOM	Pan Speed (deg/sec)	NA
	Tilt Speed (deg/sec)	NA
	Optical Zoom	NA
	Digital Zoom	16X
AUDIO	Audio Support	Yes
	Audio Compression	G.711
	Audio Streaming	Two-Way
	Number of Audio Input Channel	1
	Number of Audio Output Channel	1
ALARM	Alarm Support	Yes
	Number of Alarm Digital Input	1
	Number of Alarm Relay Output	1

Specification	Specification Name	Bid Requirement (Allowed Values)
	Pre/Post Alarm Buffer	Yes
SECURITY	IP Address Filtering	Yes
PERFORMANCE	Minimum Illumination for Capturing Color Image	0.01, 0.005, 0.008, 0.002, 0.001 Or lower
	Electronic Shutter Speed(sec)	1 to 1/100,000
	WDR (Wide Dynamic Range)	120 dB
	SNR (Signal to Noise Ratio)	50-60
	Auto Exposure	Auto Level Control
FEATURES	ONVIF Support	Yes
	Privacy Zones	4
NETWORK AND INTERFACE	Supported Protocols	UDP, DHCP, RTP, HTTP, SMTP, FTP, HTTPS, DNS, RTSP, RTCP, NTP, UPnP, TCP/IP, IPv4, IPv6
	IP Support	Static, Dynamic
STORAGE	On Board SD Card Support	Yes
	SD Card Memory(GB)	128
HOUSING	Installation Type	Indoor
	Material of the Housing construction	Alluminium
	Protection	IP 66
	Mounting bracket	Ceiling Mounted
POWER SUPPLY	Power Input	12 V DC, PoE
OPERATING CONDITIONS	Operating Temperature Range	- 30 to +60 deg C
WARRANTY / SERVICES	Warranty	5 Or higher
	Time for Replacement of Defective Product During Warranty Period	12, 24, 36, 48, 72 Or lower
	Supply of Compatible drivers and software included	Yes
ENVIRONMENTAL / CERTIFICATION	BIS Registration for safety general requirements as per IS 13252 (Part 1):latest	Yes
	Certification	FCC, CE, BIS, RoHS

Additional Specification Parameters - Camera For CCTV System (100 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
"(A) Built-in Video Analytics (B) Event Action/Triggers "	"(A) Camera should support Motion detection, Video tampering, Scene changing (B) Camera should support Event Input, Network disconnection, IP address conflict, Illegal access, Storage anomaly"
"(A)Primary Stream (B)Certificate Required"	"(A) Camera should support 25fps@1920×1080, 1280×720, 704×576, 640×480 (B) Product should be BIS, CE, FCC and RoHS certified. Copy of certificate need to be submitted along with the Bid"
(A) Image Enhancement Function/features	(A) Support AWB, AGC, 3D-DNR, ROI, AWB, AGC, BLC, HLC Brightness, Contrast, Saturation, Sharpness, Image Rotation
(A) FOV	(A) Camera should support Field of View: Horizontal: 91.0° Vertical: 48.0° Diagonal: 109.0°
(A) Country of Origin	(A) No Bidder as well as OEM with Investors, Venture Capitalist, Consortium members, Shareholders, directors from neighbouring countries will be allowed to participate in the Bid. Non-compliance shall result in rejection of Bid. A declaration to be submitted by Bidder & OEM.

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	100	90

Camera For CCTV System (70 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
IMAGE SENSOR	Image Sensor Type	CMOS
	Image Sensor Size	1, 0.67, 0.5, 0.34, 0.357, 0.37, 0.4, 0.333, 0.555, 0.526, 0.588, 0.544 Or higher
	Camera Image Sensing capacity (Picture Mode)	2MP
	Resolution	Full HD (1920 x 1080 Pixel)
	Day/Night Capable	Yes
	IR illumination Range(mtr)	50
CAMERA TYPE	Type of Camera Housing	BULLET CAMERA
	IP Camera	Yes

Specification	Specification Name	Bid Requirement (Allowed Values)
	PTZ Camera	No
OPTICS	Lens Type	Fixed
	Focal Length(mm)	3.6
	Iris Control	Fixed iris
	Focus Mode	Manual
VIDEO	Frame Rate (fps)	25
	Video Compression	H.264, MJPEG
	Video Streaming	Dual compressed stream
PAN / TILT / ZOOM	Pan Speed (deg/sec)	NA
	Tilt Speed (deg/sec)	NA
	Optical Zoom	NA
	Digital Zoom	16X
AUDIO	Audio Support	No
ALARM	Alarm Support	No
	Pre/Post Alarm Buffer	Yes
SECURITY	IP Address Filtering	Yes
PERFORMANCE	Minimum Illumination for Capturing Color Image	0.005, 0.002, 0.001 Or lower
	Electronic Shutter Speed(sec)	1 to 1/100,000
	WDR (Wide Dynamic Range)	120 dB
	SNR (Signal to Noise Ratio)	50-60
	Auto Exposure	Auto Level Control
FEATURES	ONVIF Support	Yes
	Privacy Zones	4
NETWORK AND INTERFACE	Supported Protocols	UDP, DHCP, RTP, HTTP, SMTP, FTP, HTTPS, DNS, RTSP, RTCP, NTP, UPnP, TCP/IP, IPv4, IPv6
	IP Support	Static, Dynamic
STORAGE	On Board SD Card Support	Yes
	SD Card Memory(GB)	128
HOUSING	Installation Type	Indoor
	Material of the Housing construction	Alluminium
	Protection	IP67
	Mounting bracket	Wall Mounted
POWER SUPPLY	Power Input	PoE

Specification	Specification Name	Bid Requirement (Allowed Values)
OPERATING CONDITIONS	Operating Temperature Range	- 40 to +60 deg C
WARRANTY / SERVICES	Warranty	5 Or higher
	Time for Replacement of Defective Product During Warranty Period	12, 24, 36, 48, 72 Or lower
	Supply of Compatible drivers and software included	Yes
ENVIRONMENTAL / CERTIFICATION	BIS Registration for safety general requirements as per IS 13252 (Part 1):latest	Yes
	Certification	FCC, CE, BIS, RoHS

Additional Specification Parameters - Camera For CCTV System (70 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
"(A) Built-in Video Analytics (B) Event Action/Triggers "	"(A) Camera should support Motion detection, Video tampering, Scene changing (B) Camera should support Event Input, Network disconnection, IP address conflict, Illegal access, Storage anomaly"
"(A) Primary Stream (B) Certificate Required"	"(A) Camera should support 25fps@1920×1080, 1280×720, 704×576, 640×480 (B) Product should be BIS, CE, FCC and RoHS certified. Copy of certificate need to be submitted along with the Bid"
(A) Image Enhancement Function/features	(A) Support AWB, AGC, 3D-DNR, ROI, AWB, AGC, BLC, HLC Brightness, Contrast, Saturation, Sharpness, Image Rotation
(A) FOV	(A) Camera should support Field of View: Horizontal: 91.0° Vertical: 48.0° Diagonal: 109.0°
(A) Country of Origin	(A) No Bidder as well as OEM with Investors, Venture Capitalist, Consortium members, Shareholders, directors from neighbouring countries will be allowed to participate in the Bid. Non-compliance shall result in rejection of Bid. A declaration to be submitted by Bidder & OEM.

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	70	90

Camera For CCTV System (45 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
IMAGE SENSOR	Image Sensor Type	CMOS
	Image Sensor Size	1, 0.67, 0.5, 0.37, 0.4, 0.555, 0.526, 0.588, 0.544 Or higher
	Camera Image Sensing capacity (Picture Mode)	2MP
	Resolution	Full HD (1920 x 1080 Pixel)
	Day/Night Capable	Yes
	IR illumination Range(mtr)	50
CAMERA TYPE	Type of Camera Housing	BULLET CAMERA
	IP Camera	Yes
	PTZ Camera	No
OPTICS	Lens Type	Fixed
	Focal Length(mm)	3.6
	Iris Control	Fixed iris
	Focus Mode	Manual
VIDEO	Frame Rate (fps)	25
	Video Compression	H.264, H.265+, MJPEG
	Video Streaming	Dual compressed stream
PAN / TILT / ZOOM	Pan Speed (deg/sec)	NA
	Tilt Speed (deg/sec)	NA
	Optical Zoom	NA
	Digital Zoom	16X
AUDIO	Audio Support	Yes
	Audio Compression	G.711
	Audio Streaming	One-Way
	Number of Audio Input Channel	1
ALARM	Alarm Support	No
	Pre/Post Alarm Buffer	Yes
SECURITY	IP Address Filtering	Yes
PERFORMANCE	Minimum Illumination for Capturing Color Image	0.01, 0.005, 0.008, 0.002, 0.001 Or lower

Specification	Specification Name	Bid Requirement (Allowed Values)
	Electronic Shutter Speed(sec)	1 to 1/100,000
	WDR (Wide Dynamic Range)	DWDR
	SNR (Signal to Noise Ratio)	50-60
	Auto Exposure	Auto Level Control
FEATURES	ONVIF Support	Yes
	Privacy Zones	4
NETWORK AND INTERFACE	Supported Protocols	UDP, DHCP, HTTP, FTP, DNS, DDNS, RTSP, NTP, TCP/IP, IPv4
	IP Support	Static, Dynamic
STORAGE	On Board SD Card Support	Yes
	SD Card Memory(GB)	512
HOUSING	Installation Type	Outdoor
	Material of the Housing construction	Plastic
	Protection	IP67
	Mounting bracket	Wall Mounted
POWER SUPPLY	Power Input	PoE
OPERATING CONDITIONS	Operating Temperature Range	- 40 to +65 deg C
WARRANTY / SERVICES	Warranty	5 Or higher
	Time for Replacement of Defective Product During Warranty Period	12, 24, 36, 48, 72 Or lower
	Supply of Compatible drivers and software included	Yes
ENVIRONMENTAL / CERTIFICATION	BIS Registration for safety general requirements as per IS 13252 (Part 1):latest	Yes
	Certification	FCC, CE, BIS, RoHS

Additional Specification Parameters - Camera For CCTV System (45 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
"(A) Built-in Video Analytics (B) Event Action/Triggers"	"(A) Camera should support Tripwire, Perimeter (B) Camera should support Motion Detection, Mask Alarm, IP Address Conflict"

Specification Parameter Name	Bid Requirement (Allowed Values)
"(A) Primary Stream (B) Certificate Required"	"(A) Camera should support : 25fps@1920 1080, 1280 720, 704 576, 640 480 (B) Product should be BIS, CE, FCC and RoHS certified. Copy of certificate need to be submitted along with the Bid"
(A) Image Enhancement Function/features	(A) Support 3D-DNR, AWB, AGC, BLC, HLC Brightness, Contrast, Saturation, Sharpness, Image Rotation
"(A) FOV (B) Audio"	"(A) Camera should support Field of View: Horizontal: 82.1° (B) Camera must support Built-in Microphone"
(A) Country of Origin	(A) No Bidder as well as OEM with Investors, Venture Capitalist, Consortium members, Shareholders, directors from neighbouring countries will be allowed to participate in the Bid. Non-compliance shall result in rejection of Bid. A declaration to be submitted by Bidder & OEM.

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	45	90

Camera For CCTV System (20 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
IMAGE SENSOR	Image Sensor Type	CMOS
	Image Sensor Size	1, 0.67, 0.588 Or higher
	Camera Image Sensing capacity (Picture Mode)	4MP
	Resolution	4MP(2560×1440)
	Day/Night Capable	Yes
	IR illumination Range(mtr)	20
CAMERA TYPE	Type of Camera Housing	BULLET CAMERA
	IP Camera	Yes
	PTZ Camera	No
OPTICS	Lens Type	Fixed
	Focal Length(mm)	1.65

Specification	Specification Name	Bid Requirement (Allowed Values)
	Iris Control	Fixed iris
	Focus Mode	Manual
VIDEO	Frame Rate (fps)	25
	Video Compression	H.264, H.265+, MJPEG
	Video Streaming	Triple compressed stream
PAN / TILT / ZOOM	Pan Speed (deg/sec)	NA
	Tilt Speed (deg/sec)	NA
	Optical Zoom	NA
	Digital Zoom	16X
AUDIO	Audio Support	Yes
	Audio Compression	G.726, G.711, AAC
	Audio Streaming	One-Way
	Number of Audio Input Channel	1
ALARM	Alarm Support	No
	Pre/Post Alarm Buffer	Yes
SECURITY	IP Address Filtering	Yes
PERFORMANCE	Minimum Illumination for Capturing Color Image	0.001 Or lower
	Electronic Shutter Speed(sec)	1 to 1/100,000
	WDR (Wide Dynamic Range)	120 dB
	SNR (Signal to Noise Ratio)	60-70
	Auto Exposure	Auto Level Control
FEATURES	ONVIF Support	(PROFILE S, G, Q, T)
	Privacy Zones	8
NETWORK AND INTERFACE	Supported Protocols	UDP, SNMP, IGMP, DHCP, RTP, RSTP, HTTP, SMTP, FTP, ICMP, HTTPS, DNS, DDNS, RTSP, RTCP, NTP, UPnP, QoS, TCP/IP, IPv4, IPv6, Bonjour, ARP, SIP
	IP Support	Static, Dynamic
STORAGE	On Board SD Card Support	Yes
	SD Card Memory(GB)	256
HOUSING	Installation Type	Outdoor
	Material of the Housing construction	Alluminium
	Protection	IP67
	Vandal Resistant Housing	Yes
	Mounting bracket	Wall Mounted

Specification	Specification Name	Bid Requirement (Allowed Values)
POWER SUPPLY	Power Input	PoE
OPERATING CONDITIONS	Operating Temperature Range	- 40 to +65 deg C
WARRANTY / SERVICES	Warranty	5 Or higher
	Time for Replacement of Defective Product During Warranty Period	12, 24, 36, 48, 72 Or lower
	Supply of Compatible drivers and software included	Yes
ENVIRONMENTAL / CERTIFICATION	BIS Registration for safety general requirements as per IS 13252 (Part 1):latest	Yes
	Certification	FCC, CE, BIS, RoHS

Additional Specification Parameters - Camera For CCTV System (20 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
"(A) Built-in Video Analytics (B) Event Action/Triggers"	"(A) Camera should support Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed (B) Camera should support FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification"
"(A) Primary Stream (B) ANR (C) Certificate Required (D) RAM/ROM"	"(A) Camera should support 30fps@2560x1440, 1920x1080, 1280x720 (B) Camera should support Auto store video in SD card when NVR is disconnected; Upload video to NVR when connection is resumed (C) Product should be BIS, CE, FCC and RoHS certified. Copy of certificate need to be submitted along with the Bid (D) 512MB/128MB"
"(A)Tertiary Stream (B) Image Enhancement Function/features (C) VoIP "	"(A) Camera should support 30fps@1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180 (B) Support AWB, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark, Brightness, Contrast, Saturation, Auto Gain, Sharpness, Image Rotation (C) Camera must support SIP Protocol & Integrate with Major Brands of VoIP Phones"
"(A) FOV (B) Network Storage NAS (C) Lens (D) Audio "	"(A) Camera should support Field of View: Camera must support Horizontal: 180 Panoramic view ,Vertical: 95° (B) Support NFS, SMB/CIFS) (C) Lens size should be 1.68mm (D) Camera must support Built-in Microphone"
"(A) AES Encryption (B) Country of Origin"	"(A) AES256 Encryption (B) No Bidder as well as OEM with Investors, Venture Capitalist, Consortium members, Shareholders, directors from neighbouring countries will be allowed to participate in the Bid. Non-compliance shall result in rejection of Bid. A declaration to be submitted by Bidder & OEM."

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	20	90

Camera For CCTV System (10 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
IMAGE SENSOR	Image Sensor Type	CMOS
	Image Sensor Size	1, 0.67, 0.5, 0.37, 0.4, 0.555, 0.526, 0.588, 0.544 Or higher
	Camera Image Sensing capacity (Picture Mode)	2MP
	Resolution	Full HD (1920 x 1080 Pixel)
	Day/Night Capable	Yes
	IR illumination Range(mtr)	60
CAMERA TYPE	Type of Camera Housing	BULLET CAMERA
	IP Camera	Yes
	PTZ Camera	No
OPTICS	Lens Type	Motorized Varifocal
	Focal Length(mm)	2.7-13.55
	Iris Control	P iris
	Focus Mode	Auto, Zooming
VIDEO	Frame Rate (fps)	60
	Video Compression	H.264, H.265+, MJPEG
	Video Streaming	Triple compressed stream
PAN / TILT / ZOOM	Pan Speed (deg/sec)	NA
	Tilt Speed (deg/sec)	NA
	Optical Zoom	NA
	Digital Zoom	16X
AUDIO	Audio Support	Yes
	Audio Compression	G.726, G.711, AAC

Specification	Specification Name	Bid Requirement (Allowed Values)
	Audio Streaming	Two-Way
	Number of Audio Input Channel	1
	Number of Audio Output Channel	1
ALARM	Alarm Support	Yes
	Number of Alarm Digital Input	1
	Number of Alarm Relay Output	1
	Pre/Post Alarm Buffer	Yes
SECURITY	IP Address Filtering	Yes
PERFORMANCE	Minimum Illumination for Capturing Color Image	0.001 Or lower
	Electronic Shutter Speed(sec)	1 to 1/100,000
	WDR (Wide Dynamic Range)	140 db
	SNR (Signal to Noise Ratio)	60-70
	Auto Exposure	Auto Level Control
FEATURES	ONVIF Support	(PROFILE S, G, Q, T)
	Privacy Zones	8
NETWORK AND INTERFACE	Supported Protocols	UDP, SNMP, IGMP, DHCP, RTP, RSTP, HTTP, SMTP, FTP, ICMP, HTTPS, DNS, DDNS, RTSP, RTCP, NTP, UPnP, QoS, TCP/IP, IPv4, IPv6, Bonjour, ARP, SIP
	IP Support	Static, Dynamic
STORAGE	On Board SD Card Support	Yes
	SD Card Memory(GB)	256
HOUSING	Installation Type	Outdoor
	Material of the Housing construction	Alluminium
	Protection	IP67
	Vandal Resistant Housing	Yes
	Mounting bracket	Wall Mounted
POWER SUPPLY	Power Input	PoE
OPERATING CONDITIONS	Operating Temperature Range	- 40 to +65 deg C
WARRANTY / SERVICES	Warranty	5 Or higher
	Time for Replacement of Defective Product During Warranty Period	12, 24, 36, 48, 72 Or lower
	Supply of Compatible drivers and software included	Yes

Specification	Specification Name	Bid Requirement (Allowed Values)
ENVIRONMENTAL / CERTIFICATION	BIS Registration for safety general requirements as per IS 13252 (Part 1):latest	Yes
	Certification	FCC, CE, BIS, RoHS

Additional Specification Parameters - Camera For CCTV System (10 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
"(A) Built-in Video Analytics (B) Event Action/Triggers "	"(A) Camera should support Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed (B) Camera should support FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, HTTP Notification"
"(A) Primary Stream (B) ANR (C) Certificate Required (D) RAM/ROM"	"(A) Camera should support 90fps@(1920x1080), 30fps@1920x1080, 1280x960,1280x720, 704x576 (B) Camera should support Auto store video in SD card when NVR is disconnected; Upload video to NVR when connection is resumed. (C) Product should be BIS, CE, FCC and RoHS certified. Copy of certificate need to be submitted along with the Bid (D) 512MB/128MB"
"(A)Tertiary Stream (B) Image Enhancement Function/features (C) VoIP (D) Built-In Junction Box"	"(A) Camera should support : 30fps@1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x18 (B) Support AWB, AGC, Anti-flicker, Corridor Mode, Deblur, Watermark, Brightness, Contrast, Saturation, Auto Gain, Sharpness, Image Rotation (C) Camera must support SIP Protocol & Integrate with Major Brands of VoIP Phones (D) Camera should have Built-In Junction Box"
"(A) FOV (B) Network Storage NAS"	"(A) Camera should support Field of View: Horizontal: 92°~32° Diagonal: 107°~37° Vertical: 51°~18° (B) Support NFS, SMB/CIFS)"
"(A) AES Encryption (B) Country of Origin"	"(A) AES256 Encryption (B) No Bidder as well as OEM with Investors, Venture Capitalist, Consortium members, Shareholders, directors from neighbouring countries will be allowed to participate in the Bid. Non-compliance shall result in rejection of Bid. A declaration to be submitted by Bidder & OEM."

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	10	90

All In One PC (1 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Processor	Processor Make	Intel
	Processor Generation	10.0 Or higher
	Number of Cores per Processor	6, 8, 10 Or higher
	Processor Description	Intel Core i5, Intel Core i7, Intel Core i9 Or higher
	Processor Number	Intel Core i5 10210U, Intel Core i5 10500T, Intel Core i5 10600T, Intel Core i7 10700T, Intel Core i5 10400, Intel Core i9 10900T, Intel Core i5 10500, Intel Core i5 10600, Intel Core i7 10700, Intel Core i7 10700K, Intel Core i9 10900, Intel Core i9 10900K, 10th-generation Intel Core i5, Turbo Boost up to 4.5GHz, 10th-generation Intel Core i5, Turbo Boost up to 4.8 GHz, 10th-generation Intel Core i7, Turbo Boost up to 5.0GHz, Intel Core i5 1035G1 Or higher
Motherboard	Chipset Series	Intel Q Series, Intel Z Series Or higher
	Chipset Number	Intel Q 370, Intel Q470, Intel Q570 Or higher
Graphics	Size of Memory in Case of Dedicated Graphic Card (GB)	0, 1, 2, 3, 4, 8 Or higher
Operating System	Operating System (Factory Pre-Loaded)	Windows 10 Professional
Memory	RAM Size (GB)	8, 16, 32, 64 Or higher
	RAM Expandability up to(using spare DIMM Slots in GB)	64 Or higher
Storage	Type of Drives used to populate the Internal Bays	HDD
	Total HDD Capacity (GB)	1000, 1500, 2000, 2500, 3000 Or higher
	Total SSD Capacity (GB)	128, 256, 384, 512, 768, 1024, 2048, 4096, 0 Or higher
Display	Display Size (INCHES)	23.6, 23.8, 27, 34, 37.5 Or higher
	Display Type	Non Touch, Touch Or higher
	Panel Technology	IPS, WVA Or higher
	Display Resolution (PIXELS)	1920x1080, 1920 x 1200, 3200x1800, 3840 x 2160, 3440 x 1440, 4096x2304, 5120x2880 Or higher
	Availability of Webcam integrated with Display	No
Warranty	On Site OEM Warranty (Year)	3, 5 Or higher

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	1	90

Professional Large Format Display (10 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Ungrouped	Technology	LED Backlit
	Screen Size (Diagonal) Minimum (cm)	164, 175, 189, 216, 247, 203, 228, 304, 254 Or higher
	Screen Type	Non Touch
	Panel Technology	In Plane Switching (IPS)
	Orientation	Landscape
	Native Resolution (Pixels)	3840 x 2160 (UHD)
	Aspect Ratio	16:9
	Brightness (Nits) Minimum	500, 600, 700, 1000, 1500, 2500, 3000, 4000, 550 Or higher
	Arrangement of Speakers	Inbuilt
	RS 232C Port	Available
	RJ 45	Available
	Duty Cycle	16 x 7
	BIS Registration under CRS of Meity	Yes
	ROHS Compliance	Yes
	On Site OEM Warranty (Year)	3

Additional Specification Parameters - Professional Large Format Display (10 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
"(A) Smart USB Port (B) Built In Speakers (C) Hardness, Anti Scratch, Anti Glare"	"(A) All USB ports should support sharing Mode with Android, Internal PC or other External PC / Device. (B) 2.1 Stereo Sound with in-built 20 Watt x 2 speakers and 15 Watt x 1 Sub-Woofer or better. (C) Minimum 9 H hardness, scratch resistant, anti glare, anti-crack resistant."
"(A) Android Resolution (B) Product Catalogue (C) Certifications"	"(A) 3840 X 2160 or higher. (B) Technical Catalogue matching the specification should be available on OEM Website. (C) BIS, FCC, CE & RoHS."
Screen Mirroring, Wireless content sharing	Data from Mini PC should be shared wirelessly on multiple Phones/Tablets without any other hardware requirement. IFPD should allow user to share/mirror the content of Laptop/Desktop (Mac, Windows) and mobile device (ios,Android) wirelessly, Wireless presentation should allow user to access their Laptop/Desktop through IFPD
Integrated Wireless and Bluetooth Module	It should be dual band (2.4Ghz and 5Ghz). It should deliver fast wireless internet connection for displays. It should supports dual frequency of 2.4GHz and 5.0GHz bandwidth, along with the newest 802.11AC standard to provide up to 433Mbps transmission. It should also fast Bluetooth 4.0 connection with BLE (Bluetooth Low Energy) which saves power for one-to-one file and data transferring.
Country of Origin	No Bidder as well as OEM with Investors, Venture Capitalist, Consortium members, Shareholders, directors from neighbouring countries will be allowed to participate in the Bid. Non-compliance shall result in rejection of Bid. A declaration to be submitted by Bidder & OEM.

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	10	90

Video Management System Software (245 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Basic Information	Software domain	Video Management System Software

Specification	Specification Name	Bid Requirement (Allowed Values)
	Type of video management system software	1. VMS software for local monitoring, 2. VMS software for centralised monitoring for multi-location installation
	Type of licence	1. Perpetual
	Licence Cost	Per channel license
	Deployment option	1. On site compute device
	No of days Training Provided at Site	upto 5
	Number of Years upto which Support is available from OEM	2
GENERIC FEATURES	Generic feature in the offered product	1. Video Management software is highly scalable Enterprise level software & a complete video surveillance solution. It is scalable to required numbers of cameras that can be added on a unit -by-unit basis., 2. Video Management software is licensed & operate on open architecture & require no proprietary IT hardware., 3. The Video Management software allow video to be streamed on workstation monitor or on a Video wall., 4. The User with administrative rights to create clients(users) & give access to the software client application based on predefined user access rights., 5. System allow the recording, live monitoring, playback of archived video and data simultaneously., 7. Management screen:Lock, unlock with password support.
	Software provides	1. Several simultaneous live picture connections of camera in network.
	Type of Streaming	1. Single Streaming., 2. Dual Streaming., 3. Multi-streaming.
	Video compression format supported by the software in real time	1. H.264,, 2.MJPEG,, 3.H.265,
	Frame rate range supported by the software (in fps)	upto 60
	Resolution	1. Full HD
	Number of monitor for displaying live video with one server /workstation (Hint : Select '0' if not applicable)	16.0 - 16.0 Or higher
	Number of level of users and alarm prioritization supported by the offered product(Hint : Select '0' if not applicable)	3.0 - 20.0 Or higher
	Number of cameras to be replayed simultaneously by the offered product(Hint : Select '0' if not applicable)	32.0 - 64.0 Or higher

Specification	Specification Name	Bid Requirement (Allowed Values)
	Compliance of standard of the offered product	1. Global standards ONVIF Profile 'S' for the interface of network video product (ONVIF- Open Network Video Interace Forum).
	Cysecurity Parameters	1. HTTPS encryption, 2. SSL/TLS, 3. Complex passwords
CAMERA RELATED FEATURE	Camera related feature in the offered product	2. The software capable to provide automatic search & discovery of components of video surveillance system on the network which can be network Cameras., 7. Scalable licensing model supporting unlimited cameras per server based on the available hardware configuration
	The offered product capable to allow	1. Live Display of Cameras, 2. Live Display of Camera sequences, 3. Control of PTZ Cameras, 10. Digital PTZ Control., 14. Optical zoom in, Zoom out., 15. Digital zoom enable/disable., 16. Full screen view enable/disable., 17. Camera connect/disconnect.
VIDEO MANAGEMENT FEATURES	Software capable to record video on	1. Inbuilt hard disks on the server, 3. Network attached storage, 4. Storage area network
	Software capable to select recording based on	1. Time at which recording was activated, 2. Duration of recording, 7. Date
	Option available in the offered product for reporting utility for tracking for	1. video clips and image snapshots to be stored with reports for documenting events, 2. Alarms, 3. Incidents, 4. Operator logs
	Video management and recording feature in the offered product	1. Software have the facility to export the desired portion of clipping of video from a Desired date/ Time to another desired date/ time on DVD on any client/ Network storage device. Viewing of the recording possible on authorized player or in media player on computer utilizing a Window environment., 6. Software capable to commence the video recording from the date & time specified by the end-user & also able to playback more than one camera recording simultaneously.
	Supporting feature in the offered product	1. The Video management software provide a full matrix operation of IP video to display monitors.
	Maximum VMS Throughtout	800 Mbps
	Suspect Tracking thorough Multiple link of Cameras(Hint : Select '0' if not applicable)	0.0 - 20.0 Or higher
	Server Connections(Hint : Select '0' if not applicable)	60.0 - 1000.0 Or higher
	Architecture	1. Client & Server on Multiple Hardware
DISPLAY MODE	Number of monitor for displaying live video with one server / workstation (Hint : Select '0' if not applicable)	16.0 - 20.0 Or higher

Specification	Specification Name	Bid Requirement (Allowed Values)
	Number of Video Streams (Channels)concurrently supported by Local VMS(Hint : Select '0' if not applicable)	3.0 - 256.0 Or higher
	Number of Video Streams (Channels) expandable for local VMS up to(Hint : Select '0' if not applicable)	3.0 - 256.0 Or higher
	Number of Video Streams (Channels)concurrently supported by Central VMS (Hint: Select'0' if not applicable)	3.0 - 5000.0 Or higher
	Display mode (split screen matrix)	16
	Display Characteristics Overlay of the Cameras during -	Live view & Navigate over camera icons
AUDIO	Type of audio	2-way
	Type of Codec	G.711
EVENT TRIGGER	No of Motion detection selectable area(Hint : Select '0' if not applicable)	0.0 - 20.0 Or higher
	System event	shutdown, restart, login, logoff, Camera reboot
STORAGE/BACK UP	Network storage path	ISCSI, network share, NAS
	Storage/ BackUp features	Multiple local storage support, Network Storage Device Support, USB backup support
PLAYBACK	Playback Search from Local and Network storage	1.Channels, 2.Date and time, 4. Alarm, 5. All - Channels; Date & Time; Bookmarking; Alarm
Network Feature	Protocols	1. HTTP, 2. TCP, 3. UDP, 4. RTSP
	Remote View	1. Remote Live streaming., 2. Video record to AVI/ASF, 3. Image Snapshot to JPEG., 4. PTZ control., 5. Event notification., 6. Video playback.
	E-Map	1. Multi E-map layers support., 2. Indicator camera &I/O., 3. E-Map Type BMP/JPG/GIF/PNG/TIF., 4. Unlimited E-map pictures., 5. Camera Preview., 8. Online control:left,right,up,down, Zoom in and Zoom out.
	Compatibility	1. Compatible with 3rd party IP cameras, 3. SDK Integration
GRAPHIC USER INTERFACE	The GUI software capable to perform the applications simultaneously without interfering with any of the storage server operations (recording, alarms etc)	1. Live display of Cameras, 2. Live display of Camera sequences, 3. Control of PTZ Cameras, 4. Playback of archived video, 5.Retrieval of archived video

Specification	Specification Name	Bid Requirement (Allowed Values)
	The GUI software capable to support	1. Any form of IP network connectivity including LAN,WAN and wireless LAN technologies
	GUI Software Feature	2. Capable to allow live monitoring of video., 3. Capable to provide management and control over the system using a standard PC mouse, keyboard and Digital keyboard, 4. Capable to display all Cameras attached to the system regardless of their physical location on the network., 5. Capable to display all Camera sequences created in the system, 6. Capable to display all Cameras, sequences and users in a logical tree., 9. Capable to support digital zoom on a fixed Camera’s live video streams, 10. Capable to support digital zoom on a PTZ Camera’s live video streams, 11. Capable to display video of Cameras on 40 inch Large FormatDisplay Monitors and Workstation Monitors
	No Of video tiles enable on a single digital monitor	16.0 - 100.0 Or higher
	Tiles Views provided on each of the digital monitors independently	1. Full screen, 4. Support any other window division based on the site requirement
	GUI Software Operator Feature	1. Allow operators to view an instant replay of any Camera., 2. The operator able to define the amount of time he wishes to go back from timeline bar or through a custom setup period, 3. The operator able to control the playback with play, pause, forward, and speed buttons, 4. Operator capable to drag and drop a Camera from a tree of available Cameras into any video tile for live viewing, 5. Operator capable to view the Camera from a tree of available Cameras into any video tile for live viewing., 8. The operator capable to control Pan, Tilt and Zoom patterns of P/T/Z Camera
	The operator capable to choose and trigger following action from a macro/site map	1. View Camera in a video tile, 4. Go to PTZ preset
VIDEO RECORDING SOFTWARE	Video Recording Feature by the offered product	1. Support recording H.264/MJPEG/H.265 or higher video streams and audio for all the channels., 3. Software operates on open architecture and not requires any proprietary hardware., 5. Software provides network time server function to ensure the synchronization of the video servers and the recordings., 6. Servers/NVRs be connected to the network so that these can be placed at any location which has network access., 9. Software shall provide a status of the available recording capacity.
	Video Recording Software supports redundancy configurations for recording severs VideoRecording Servers/ Network Video Recorders	1. N to X redundancy., 3. N to N redundancy.

Specification	Specification Name	Bid Requirement (Allowed Values)
	Failover Time (Maximum Time to which application swtiches from main server to Failover server)(Hint : Select '0' if not applicable) (in seconds)	0.0 - 30.0 Or lower
	Features of Fault Tolerance Recording	1. Software & Server(s)/ NVRs operation are interrupted, like power disconnection and once the server(s) are restarted, these automatically resume recording of any Cameras these were recording prior to the interruption., 2. Software supports network fault-tolerant recording such that if the network connection between a video management server and video recording server becomes unavailable, for example through cable breakage, network congestion or WLAN interruption, the system operation shall automatically recover when the connection is restored.
	Feature of Search & Export	1. Search for recordings in the software by Camera, date and time if a data and time is specified, playback shall commence from that date and time possible to playback more than one Camera simultaneously., 3. Software provides secured recording for evidence purposes and user authentication to protect data integrity.
CENTRAL MONITORING SOFTWARE	Central Monitoring Software	3. Local recording at branch with High Quality Video and Low bandwidth streaming to Central station., 5. The alert send by VMS, Video Analytics software can be view in form of pop up on screen.
	No of cameras monitored from the central location by the software	60.0 - 100000.0 Or higher
ALERT FEATURE	Alert feature in the offered product	1. The software capable to detect signal loss & have the capability to alert the Systems administrator., 3. The Software shall create an audit trail of all events and user activities.
INSTALLATION	Installation in the scope of supply	Yes
	If Yes, then scope of Installation	1. Installation of Central Management System on servers ., 2. Installation of VMS on the various location as per clients requirement.
COMMISSIONING	Commissioning in the scope of supply	Yes
	If Yes, then scope of Commissioning	1. Display of video recording, playback, live monitoring etc. at various buyer premises., 2. Display of all client camera (video) on Central Dashboard . The centralized display consists of display of all camera, alerts etc.
GENERIC PARAMETERS	Free Upgradation to Higher Version within support period	Yes

Additional Specification Parameters - Video Management System Software (245 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
License	1 Base License and 245 Camera License need to be provided with solution

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	245	90

Layer 2 Access Switch Rev 1 (2 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Switch	Managed
	Technology	PoE, PoE+
	Number of 1G Copper Ports	24
	Number of 10G Copper Ports	0
	Number of 1 G SFP Port (Uplink)	4
	Number of 10 G SFP+ Port (Uplink)	0
	Multi-Gigabit Support	No
	Redundant Power supply (from day one)	Not Available
	Console Port	Available
	Switching Capacity-Non Blocking (Gbps)	52
	Throughput (MPPS)	14.8
	PoE Power Budget (Watt)	400

Specification	Specification Name	Bid Requirement (Allowed Values)
	On Site OEM Warranty	5 Year

Additional Specification Parameters - Layer 2 Access Switch Rev 1 (2 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
(A)Attack prevention	(A) DOS defense Support the protection of CPU, Limit rates of checking the CPU and memory utilization ARP binding (IP, MAC, PORT binding)
(A) LLDP	(A) Support LLDP link detect protocol
"(A) POE (B) Storm-control (C) SFP Module"	"(A) PoE Setting, PoE Timer Setting (B) Support unknown multicast, unknown unicast, broadcast storm-control (C) Network Switch to be supplied with SFP Module."
"(A) RMON (B) VLAN"	"(A) Support RMONv1 Access/Trunk/Hybrid (B) Support VLAN Dividing based on Port, Protocol, MAC, with QINQ Support GVRP dynamic VLAN registration Voice VLAN (Support Needed)"
(A) Country of Origin	(A) No Bidder as well as OEM with Investors, Venture Capitalist, Consortium members, Shareholders, directors from neighbouring countries will be allowed to participate in the Bid. Non-compliance shall result in rejection of Bid. A declaration to be submitted by Bidder & OEM.

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	2	90

Layer 2 Access Switch Rev 1 (4 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Switch	Managed
	Technology	Non PoE

Specification	Specification Name	Bid Requirement (Allowed Values)
	Number of 1G Copper Ports	8
	Number of 10G Copper Ports	0
	Number of 1 G SFP Port (Uplink)	18
	Number of 10 G SFP+ Port (Uplink)	0
	Multi-Gigabit Support	No
	Redundant Power supply (from day one)	Not Available
	Console Port	Available
	Switching Capacity-Non Blocking (Gbps)	56
	Throughput (MPPS)	40.32
	On Site OEM Warranty	5 Year

Additional Specification Parameters - Layer 2 Access Switch Rev 1 (4 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
(A) Security Protection	"(A) Support STP / RSTP / MSTP spanning tree protocol, eliminate layer-2 loop and realize link backup. ?Support the spanning tree security function to prevent the devices in the spanning tree network from various forms of malicious attacks. ?Support static aggregation and dynamic aggregation, effectively increase link bandwidth, realize load balancing and link backup, and improve link reliability."
"(A) Port performance (B) SFP Module"	"(A) Switch Must Support 18 Gigabit SFP ports and 8*10/100/1000M RJ45 uplink ports (B) Network Switch to be supplied with SFP Module."
(A) Country of Origin	(A) No Bidder as well as OEM with Investors, Venture Capitalist, Consortium members, Shareholders, directors from neighbouring countries will be allowed to participate in the Bid. Non-compliance shall result in rejection of Bid. A declaration to be submitted by Bidder & OEM.
(A) Network Management	"(A) Switch must support CLI command line (console, telnet), SNMP (V1 / V2 / V3) and other diversified management and maintenance methods. Support the encryption methods such as HTTPS, SSL V3, tlsv1, sshv1 / V2, and make the management more secure Support RMON, system log, port traffic statistics, facilitate network optimization and transformation. The user can know the working status of the switch through the power indicator (PWR), port status indicator and system status indicator (sys)."

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	4	90

Layer 2 Access Switch Rev 1 (5 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Switch	Un Managed
	Technology	PoE, PoE+
	Number of 1G Copper Ports	8
	Number of 10G Copper Ports	0
	Number of 1 G SFP Port (Uplink)	2
	Number of 10 G SFP+ Port (Uplink)	0
	Multi-Gigabit Support	No
	Redundant Power supply (from day one)	Not Available
	Switching Capacity-Non Blocking (Gbps)	20
	Throughput (MPPS)	14.8
	PoE Power Budget (Watt)	120
	On Site OEM Warranty	5 Year

Additional Specification Parameters - Layer 2 Access Switch Rev 1 (5 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)

Specification Parameter Name	Bid Requirement (Allowed Values)
"(A) SFP Module (B) Country of Origin"	"(A) Network Switch to be supplied with SFP Module. (B) No Bidder as well as OEM with Investors, Venture Capitalist, Consortium members, Shareholders, directors from neighbouring countries will be allowed to participate in the Bid. Non-compliance shall result in rejection of Bid. A declaration to be submitted by Bidder & OEM."

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	5	90

Layer 2 Access Switch Rev 1 (15 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	Type of Switch	Un Managed
	Technology	PoE, PoE+
	Number of 1G Copper Ports	24
	Number of 10G Copper Ports	0
	Number of 1 G SFP Port (Uplink)	2
	Number of 10 G SFP+ Port (Uplink)	0
	Multi-Gigabit Support	No
	Redundant Power supply (from day one)	Not Available
	Switching Capacity-Non Blocking (Gbps)	52
	Throughput (MPPS)	14.8
	PoE Power Budget (Watt)	250
	On Site OEM Warranty	5 Year

Additional Specification Parameters - Layer 2 Access Switch Rev 1 (15 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
"(A) SFP Module (B) Country of Origin"	"(A) Network Switch to be supplied with SFP Module. (B) No Bidder as well as OEM with Investors, Venture Capitalist, Consortium members, Shareholders, directors from neighbouring countries will be allowed to participate in the Bid. Non-compliance shall result in rejection of Bid. A declaration to be submitted by Bidder & OEM."

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	15	90

Networking/Server Rack (24 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specifications	Type of Server Racks	Rack Enclosures
	Size of Server Rack Enclosure	4U
	Warranty (Years)	3

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	24	90

Networking/Server Rack (1 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specifications	Type of Server Racks	Portable Racks
	Size of Server Rack Enclosure	42U
	Warranty (Years)	3

Additional Specification Parameters - Networking/Server Rack (1 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Type of Rack	Rack should be Indoor Floor Standing type

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	1	90

Online Ups-IS:9000 (2 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Generic	Rating in KVA (KVA)	6.0 KVA
	Technology	IGBT-PWM without inbuilt isolation transformer
	Input Power	single phase 160V - 260V sinewave,50Hz
	Output power	Single phase 230V +/-1% sinewave 50 Hz
	Backup time (Minutes)	30
	Warranty for UPS (Years)	2
	Warranty for battery	2
	Cabling 5 meters for input and out put	Without
	Paralleling kit for synchronising	Without
Constructional	Type of Battery	SMF-VRLA conforming to JISC:8702(Pt.I,II&III)
Functional	20% Overload limit for minimum 10 minutes	No, only for 5 Minutes
	Overall Efficiency (%)	>/=90%
	50% Overload limit for minimum 1 minutes	No, only for 3 seconds

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	2	90

Online Ups-IS:9000 (24 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Generic	Rating in KVA (KVA)	1.0 KVA

Specification	Specification Name	Bid Requirement (Allowed Values)
	Technology	IGBT-PWM without inbuilt isolation transformer
	Input Power	single phase 160V - 260V sinewave,50Hz
	Output power	Single phase 230V +/-1% sinewave 50 Hz
	Backup time (Minutes)	30
	Warranty for UPS (Years)	2
	Warranty for battery	2
	Cabling 5 meters for input and out put	Without
	Paralleling kit for synchronising	Without
Constructional	Type of Battery	SMF-VRLA conforming to JISC:8702(Pt.I,II&III)
Functional	20% Overload limit for minimum 10 minutes	No, only for 5 Minutes
	Overall Efficiency (%)	>/=90%
	50% Overload limit for minimum 1 minutes	No, only for 3 seconds

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	24	90

Network Monitoring Software (Version 2.0) (266 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
BASIC INFORMATION	Software Domain / Type	Network Monitoring Software(NMS)

Specification	Specification Name	Bid Requirement (Allowed Values)
	Modules of Network Monitoring Software offered in the scope of supply	Network monitoring, Netflow, Syslog, Physical host monitoring
SCOPE OF LICENCE	Types of Licence	Perpetual
	Duration of Subscription (in months) (Hint :- Select '0' if not applicable)	12.0 - 60.0 Or higher
	OEM Licensing policy	Per Device
	Number of licensing included in the offered product as per OEM defined licensing policy	343.0 - 500.0 Or higher
	Scope of Installation	Installation, Integration, Configuration, User Acceptance Testing of offered product
	Hosting Environment/ Deployment Option	Cloud, On Premises
	The offered product have support from OEM for	Unlimited updation for Patches and Bug fixes within maintenance & support period, Unlimited upgradation of version within support period
	Number of Years for OEM support for updation (Patches and Bug fixes) is included in the scope of supply (Hint :- Select '0' if not applicable)	1.0 - 5.0 Or higher
	Number of Years for OEM support for Upgradation of version is included in the scope of supply (Hint :- Select '0' if not applicable)	1.0 - 5.0 Or higher
	Training Options	On-Site, OEM Training Centre, Virtual, Training Material
	No of days Training Provided (Hint :- Select '0' if not applicable)	2.0 - 10.0 Or higher
Network Performance Monitoring	Network Performance Monitoring features	Capable to support visually representing network outages and other error conditions on the topological map, Capable to do trend analysis of stored historical records of network performance data, Capable to provide visual Hop-by-hop analysis along critical network paths
	WAN link monitoring	Capable to provide details on WAN link latency, bandwidth utilization and Round-Trip-Time, Provision to configure custom thresholds as per buyer requirement, Capable to configure business , non-business hours or custom time polling, Supports instant diagnosis of the node status through Ping, Telnet and SNMP walk

Specification	Specification Name	Bid Requirement (Allowed Values)
	Monitoring of Network metrics supported by the offered product	Packet loss, Errors, Discards, Response time
Server Monitoring	Server Monitoring	Capable to support Virtual Machine, Hypervisor and Cluster monitoring, Capable to monitor availability and performance of web server , email server and database server etc.
Syslog	Syslog	Provision to collect and store system logs from target devices including firewalls, routers, switches, WLC, servers, applications & databases.
Traffic Analytics (Netflow)	Traffic Analytics Features	Capable to collect traffic data using the flow technologies and correlate it into a useable format, and presents it to the user in a web-based interface for monitoring network traffic., Capable to provide CBQoS (Class Based Quality of Service) monitoring and reporting., Capable to identify which users, applications, protocols, countries, AS numbers, top routers, and top interfaces are consuming the most bandwidth.
Network configuration management	Configuration Backup	Capable to generate alerts for failed configuration backup., Capable to generate configuration backup reports., Provision for approval based system to change the configuration of target network devices .
	Configuration Management	Capable to monitor device configuration and generate alerts when configuration change occurs., Capable to maintain audit trail of configuration changes: when and where a configuration change occurred, who made the change, and what specific additions or deletions were made to a configuration., Support compliance auditing of configuration files., Provision to perform standard compliance checks across all target network devices.

Additional Specification Parameters - Network Monitoring Software (Version 2.0) (266 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Unified Dashboard	"Proposed solution should consume the southbound- APIs of department. Should provide business dashboard with logical architecture. Should have inbuilt elastic search Should have reporting and Alerting"
"(A) Unified Dashboard (B) Nodes and Helpdesk "	"(A) The proposed analytics and performance management platform shall be connected to the proposed IoT/CCTV/Access Control Platform to provide data driven insights performance management. (B) Software should support 343 Nodes"

Specification Parameter Name	Bid Requirement (Allowed Values)
Unified Dashboard.	The proposed performance management platform shall analyze data produced by sensors, meters, and other equipment systems in order to identify faults, trends, anomalies, correlations and opportunities for improved performance and reduced fault in the operation of facilities, processes and systems

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	266	90

Fibre Cable For Networking (1500 meter)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Generic	Fibre count	12
	Jacket material	LSZH
	Fibre type	Single mode OS1
	Operational temperature range	-20 deg C to +60 deg. C
	Storage temperature range	-10 to +60 deg. C
Constructional	Type of tube / no. of tube / no. of core per tube	Unitube /1/12
	Cable Armouring	Armoured with ECCS tape
Performance	Installation temperature range	-30 deg C to + 60 deg C

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	1500	90

Power Cord-Flexible Electric Cable Heating Cables Or Wire Cotton Power For Heater As Per IS:694/as Per IS:9968 (Part-1 And 2) (2250 meter)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
GENERIC	Conformation of cable to	IS: 694 for PVC insulated cable
CONSTRUCTIONAL	Type of insulation	PVC
	Type of sheath	PVC
	Sheated	No
	Outer cover material	Braided
	No. of cores	3

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	2250	90

Hdpe Pipes For Water Supply-IS 4984 (300 meter)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Specification	ISI Marked	No
Raw Material	Material Grade	PE 63
Dimensions	Pressure Rating at 30 degree Centigrade	PN 6
	Nominal Diameter (mm)	32
	Length of Pipe (Metre)	250
Supply Type and Colour	Supply Type	Length

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	300	90

Insulated Electrical Conduits Pipe-IS 9537 (4900 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
GENERIC	Classification of Conduit	Light Mechanical Stresses
CONSTRUCTIONAL	Nominal Size of the Conduit, (mm)	25
	Length (Metres)	3
	Socket ended conduit (at one end)	No
CERTIFICATION	ISI Marked	No

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	4900	90

CAT 6 Cable For Indoor Use (12250 meter)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
GENERIC	Cable category: Category 6 Unshielded/Unshielded twisted pair or Category 6 Foiled/Unshileded twisted pair or Category 6 Shielded /Foiled Twisted Pair	CAT6 U/UTP
	Cable colour	Grey
	Conductor diameter	0.57 mm (23 AWG)
	Length of cable in a bundle (Mtrs)	305 mtrs.
CONSTRUCTIONAL	Cable jacket material	Fire retardant PVC
CERTIFICATIONS	UL Marking on Cable	No

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	12250	90

Client Workstation For Monitoring The Video Analytics Video Feeds (5 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier

respectively)

Brand Type	Unbranded
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Technical Specifications

Buyer Specification Document	Download
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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	5	90

PoE Surge Protector

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	26	90

12U Or 24U Fibre Splicing Box

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier

respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	24	90

12Uor 24U Cat 6 Cable Manager

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	24	90

GI Pipe With Laying

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	200	90

Virtulaised Computing Machine

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	1	90

Server

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	1	90

Storage

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

Brand Type	Unbranded
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Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	CHANDRABHAN PRADHAN	492001,AIIMS Raipur Tatibandh	1	90

Special terms and conditions-Version:1 effective from 04-05-2020 for category Online Ups-IS:9000

- Calculation of Minimum VAH based on Back up time
Minimum VAH requirements would be calculated on the basis of following:
(VAH Calculation: Battery Voltage x Battery Ah x No. of Batteries = VAH)

UPS Rating	15 Minutes	30 Minutes	60 Minutes	90 Minutes	120 Minutes	180 Minutes	240 Minutes
1 KVA	400 VAH	800 VAH	1600 VAH	2400 VAH	3200 VAH	4800 VAH	6400 VAH
2 KVA	800 VAH	1600 VAH	3200 VAH	4800 VAH	6400 VAH	9600 VAH	12800 VAH
3 KVA	1200 VAH	2400 VAH	4800 VAH	7200VAH	9600 VAH	14400 VAH	19200 VAH
5 KVA	2000 VAH	4000 VAH	8000 VAH	12000 VAH	16000 VAH	24000 VAH	32000 VAH
6 KVA	2400 VAH	4800 VAH	9600 VAH	14400 VAH	19200 VAH	28800 VAH	38400 VAH
7.5 KVA	3000 VAH	6000 VAH	12000 VAH	18000 VAH	24000 VAH	36000 VAH	48000 VAH
10 KVA	4000 VAH	8000 VAH	16000 VAH	24000 VAH	32000 VAH	48000 VAH	64000 VAH
15 KVA	6000 VAH	12000 VAH	24000 VAH	36000 VAH	48000 VAH	72000 VAH	96000 VAH
20 KVA	8000 VAH	16000 VAH	32000 VAH	48000 VAH	64000 VAH	96000 VAH	128000 VAH
30 KVA	12000 VAH	24000 VAH	48000 VAH	72000 VAH	96000 VAH	144000 VAH	192000 VAH
40 KVA	16000 VAH	32000 VAH	64000 VAH	96000 VAH	128000 VAH	192000 VAH	256000 VAH
60 KVA	24000 VAH	48000 VAH	96000 VAH	144000 VAH	192000 VAH	288000 VAH	384000 VAH
80 KVA	32000 VAH	64000 VAH	128000 VAH	192000 VAH	256000 VAH	384000 VAH	512000 VAH
100 KVA	40000 VAH	80000 VAH	160000 VAH	240000 VAH	320000 VAH	480000 VAH	640000 VAH

Buyer Added Bid Specific Terms and Conditions

1. Service & Support

Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

2. Turnover

Bidder Turn Over Criteria: 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 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.

3. Forms of EMD and PBG

Bidders can also submit the EMD with Fixed Deposit Receipt made out or pledged in the name of A/C (Name of the Buyer). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of EMD, the FDR will be released in the favour of the bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Bidder has to upload scanned copy/ proof of the FDR along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date/ Bid Opening date

4. Certificates

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.

5. Service & Support

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

6. Generic

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

7. Generic

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 3 years 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 year. In case of bunch bids, the primary product having highest value should meet this criterion.

8. Certificates

ISO 9001: The bidder or the OEM of the offered products must have ISO 9001 certification.

9. Generic

Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

- (i) Inhibit the desires and designed function of the equipment.
- (ii) Cause physical damage to the user or equipment during the exploitation.
- (iii) Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

10. Financial Criteria

NET WORTH: Net Worth of the OEM should be positive as per the last audited financial statement.

11. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

12. **Generic**

Upload Manufacturer authorization: Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.

13. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

Additional Terms & Conditions Part 01

1. The Storage OEM should be established in the Gartner Leader Quadrant.
2. The server OEM must be in IDC list.
3. The country of Origin for any hardware should not be China.
4. Bidder must bid for complete solution.
5. Recording servers must be compatible for existing CCTV solutions at AIIMS Raipur.
6. Storage space must be calculated for one month 24 x 7 camera recording + HMIS+ E-office.
7. Storage/solution should be able to integrate with tape library/HSM solution for future offline/online data storage capability.
8. Storage should be able to scale up for future capacity enhancement.
9. Installation and commissioning for entire solution has to be done by bidder under guidance of respective OEM & respective OEM shall audit the configuration.
10. Payment Terms shall be 70% after Delivery and remaining 30% after Installation and commissioning.
11. In order to encourage 'Make In India' and promote manufacturing and production of goods and services in India with a view to enhancing income and employment, Department of Industrial Policy and Promotion (DIPP) has notified the Public Procurement (Preference to Make In India), Order 2017 on 15th June 2017, which has recently being amended vide DPIIT order No. P-45021/2/2017-PP(BE-II) Dated 4 Jun 2020. Bid should comply with above mentioned DPIIT Order and the value of local content should be more than 20% of total bid Value.
12. During the Warranty period of 5 years on hardware. Bidder must ensure the warranty on cables also for the manufacturing defects if any. In case of any physical damage i.e; brokerage, cut, burn and damage in any condition etc. Department Will provide either the required material/cable or will place an order of the products at the same prices.
13. Bidder can also submit Earnest Money (EMD) in Shape of FDR pledged in the name of "AIIMS, Raipur".

Additional Terms & Conditions Part 02

1. Purchase consists of Supply, Installation and Commissioning of CCTV system.
2. Virtual Computing Machine
 - a. Quantity -01 set, here set means cluster, consists of at least 03 HCI architecture server nodes and virtual machine application.

- b. Each node will have 02 scalable series latest generation processors, with 26Cores. Total cluster core will be 26 core x 2 processor x 3 nodes = 156 Core.
 - c. Virtualization software must be perpetually licensed/ permanently activated.
 - d. If the production infrastructure were to suffer a failure, the replica virtual machine could be brought online and hosted on the hyper-converged system.
 - e. Installation required creation of at least following Virtual machines:
 - i. HMIS Server
 - ii. eOffice Server
 - iii. CCTV server
 - f. All VMs must work smoothly without any glitch or hang.
 - g. Any accessories required for installation of this machine must be given by supplier.
 - h. Hands on Training us required for Server.
3. Storage must come with permanently activated backup and recovery applications.
 4. Datasheet of products must be specific to demand, please don't upload the long catalogue of product range.
 5. Also commercial/ technical documents must be as per demand, don't upload extra documents. Like in there is three years experience required then please upload only 03 years contract instead of long sheets for many years.
 6. In MII certificate , there must be declaration of Product along with content percentage.
 7. Country of Origin must not be a bordered country, declaration for the same is required.
 8. Malicious code certificate is required for Products, there must not be any preinstalled spyware.
 9. OEM turnover must be positive, certificate required.
 10. CCTV network/ LAN will be separate from existing LAN, interconnectivity may happen.
 11. All cablings must be installed with proper conducting and covers.
 12. All Solution must work without any glitch or hang, else supplier has to make improvement on current specification without any additional cost.
 13. Entire solution will carry warranty of 05 years, except physical damage and consumables. Manufacturing defects on any product will not be accepted.
 14. Single point of support for entire solution is must.

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.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---