

Response to Pre-bid Queries

RFP for Selection of Agency for Supply, Installation, Commissioning and warranty support of various Equipments for the Implementation of Video Surveillance System at various RTO's & Check Post working under Commissionerate of transport (COT), Gandhinagar (RFP.NO. GIL\COT\Video Surveillance\2018-19 DATE: 07.02.2019)

Sr. No.	Tender Reference		Query / Clarification / Suggestions from the Vendors	Responses to the Queries
	Page No. / Section No. / Clause No.	Tender Description		
1	Section - 1 Eligibility Criteria Point No. 3	(a) The Bidder should have at least 3 years experience in setting up LAN / WAN, and should have installed minimum 05 LAN / WAN Systems with minimum 50 nodes (here node means IP Camera or Computer or any other networking device) installed and operational in the same campus or different campus. Copies of Purchase Orders / Contract Agreement and Certificates of Successful Completion from Customer should be submitted. (Form no. E-3).	<p>The Bidder should have at least 3 years experience in IP CCTV system with min. 05 CCTV System order of with min. 50 Cameras in each order. Copies of Purchase Orders / Contract Agreement and Certificates of Successful Completion from Customer should be submitted. (Form no. E-3). Above experience should be in any government, semi government or PSU will only be considered.</p> <p>As this is CCTV tender, so it is highly recommended that bidder should have experience in CCTV System. The bidder who have experience in IP CCTV might have competency in LAN/WAN, but the bidder who have experience in LAN/WAN might not have the competency in CCTV</p>	As Per RFP
2	Section - 1 Eligibility Criteria Point No. 3 (b)	(b) Bidder should have experience of executing CCTV / Surveillance System Project for at least 10 customer reference sites of IP CCTV Camera & related accessories installation, out of which 5 sites must consisting of minimum 16 IP CCTV Cameras per site. Copies of Purchase Order(s) / Contract Agreement and Certificates of Successful Completion from Customer should be submitted.	<p>Bidder shall have experience of successful execution in Government / Semi-Government Organization for 1 project of CCTV Surveillance system with minimum 25 Sites in single order with min. order value not less than 2 Cr.</p> <p>This clause is to be added. It is advisable as the tender is called for multiple sites to ensure bidder capability and sufficient manpower force, bidder with mutiple sites in single order is required to be added.</p>	As Per RFP
3	Section - 1 Eligibility Criteria Point No. 1	The bidder should have a total sum of turnover of Rs. 15 Crore (Minimum) in the last three financial years. The copies of Audited Annual Accounts/Balance Sheet along with Profit & Loss Account for last three years shall be attached along with the bid. (Form no. E-1)	The bidder should have min average annual turnover of not less than 15 Cr. In last three years.	As Per RFP
4	Section - 1 Eligibility Criteria Point No. 1		<p>We recommend to add clause : "Bidder to submit solvency certificate of min. 50% amount of their quoted value.</p> <p>This is required to prove financial strength of the bidder while applying for tender. As its issued by bidder's bank based on their transactions and reports.</p>	As Per RFP

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5	Section - 1 Eligibility Criteria Point No. 1		Request to add QCBS for tender evaluation. Since this tender is huge with multiple locations if tender with QCBS evaluation will be better for technical competency.	As Per RFP
6	6. Eligibility Criteria of OEM / CCTV Camera Product Company:	6. Eligibility Criteria of OEM / CCTV Camera Product Company:	The OEM of the CCTV equipments should not be banned by any government/ institution globally. Request to incorporate this clause.	As Per RFP
7	6. Eligibility Criteria of OEM / CCTV Camera Product Company:	6. Eligibility Criteria of OEM / CCTV Camera Product Company:	The OEM of proposed Camera, NVR should have its own company registered in India (under Incorporation of Companies Act in India) since last 10 years. Any representation Venture/ consortium shall not be treated as OEM. It should be supported with necessary statutory documents. through a Dealer/ Distributor/ Joint. To have proper and ontime service and technical support OEM direct/own service centre is required.	As Per RFP
8	Certification for Cameras & NVR	Certification- CE or FCC and UL/ETL/BIS certified at the time of bidding, The OEM should have ISO 9001:2008 and ISO 14001:2004 certificate for Manufacturing.	All CCTV cameras offered in the project should be UL, CE, RoHS, FCC certified	As Per RFP
9	Command & Control Center at the Office	The NVR shall be configured to view all the cameras in the site in a single screen	Need Clarity.	In the 16 & 32 ch NVR should support viewing of all cameras in the single screen wherever,64 & 128 ch NVR should only support 32 cameras viewing in a single screen at same time. So, do not consider the said point "The NVR shall be configured to view all the cameras in the site in a single screen" in the scope of work.

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10	Page No. 10: ARTICLE - 13: EARNEST MONEY DEPOSIT (EMD)	13.2 - Unsuccessful bidder's E.M.D. will be returned as promptly as possible within 30 days after the expiration of the period of bid validity OR upon the successful Bidder signing the Contract, and furnishing the Performance Bank Guarantee @ 5% of the total order value as prescribed by GIL, whichever is earlier.	EMD of unsuccessful bidders should be returned as promptly as possible within 30 days irrespective of the period of bid validity and/or successful bidder signing the contract and furnishing the PBG. EMD of unsuccessful bidders should not be on hold with any reason and same should be released in 30 days. We request to kindly fix a reasonable time line to return the EMD of unsuccessful bidders. Also, kindly fix a reasonable time line to provide an LOI/PO to the successful bidder after opening of commercial bid.	As Per RFP
11	Page No.17: ARTICLE – 37 PROJECT IMPLEMENTATION	The selected agency will have to be completed the work which includes Supply, Installation, Testing and Commissioning of hardware and required equipment including LAN & cabling work within 90 days from date of Purchase Order/ Work Order issued. The bidder has to take the necessary approval of THE OFFICE for Schematics Diagram (Layout) within 15 days for cabling & laying work of Video Surveillance System and complete the work from the remaining 75 days.	Please revise the Project implementation time frame up to 240 days from the date of purchase order/work order issued in view of 43 sites across the state and number of Cameras are 864.	The work has to be completed (including delivery, installation/implementation & commissioning) within 90 working days as per Govt. of Gujarat calendar from the date of confirmed purchase order
12	Page No 24/Item no.: 4 : 16 CH Network Video Recorder	16 Channels or better NVR with supports up to 4SATA hard drives each support up to 4TB or 2 SATA hard drives each support up to 8TB, Should be loaded with 16 TB Capacity of HDDs. Should support Raid 0,1,5	Raid Option Not required for 16 channel NVR with 2 SATA or 4 SATA hard drives. We kindly request you to remove Raid 0,1,5 in 16 channel NVR to accommodate more OEMs for fair bidding competition.	RAID 0,1,5 in 16 ch NVR is not required
13	ARTICLE- 33 DELIVERIES AND INSTALLATION / IMPLEMENTATION Page No. 16	<ul style="list-style-type: none"> The work has to be completed within 90 days for the date of Work Order issued. The bidder has to take the necessary approval of THE OFFICE for Schematics Diagram (Layout) within 15 days for cabling & laying work of Video Surveillance System and complete the working from the remaining 75 days.) 	As the volume of work is tedious and large spread in diverse locations across Gujarat, kindly allow work completion within 120 days with Schematic diagram (layout) approval within 30 days.	As per SR. No. 11 As Above

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14	Page No. 2	1 The Bidder will have to remit Non refundable Bid Processing Fees of Rs. 17,700/- & Earnest Money Deposit (E.M.D.) of Rs. 5,00,000/- (Rupees five lakh only) (Refundable) on or before date & hours of submission of bid (i.e. 02.03.2019 up to 1500 Hrs) in a sealed cover at GIL office with the heading "Bid processing fees & EMD for RFP no. GIL\COT\Video Surveillance\2018-19 for Selection of Agency for Supply, Installation, Commissioning and warranty support of various Equipments for the Implementation of Video Surveillance System at various RTO's & Check Post working under Commissionerate of transport (COT), Gandhinagar	Reference: There is General Financial Rules 2017 issued by Government of India, Ministry of Finance, Department of Expenditure - which specifically exempt obtaining EMD from MSEs units. For your kind reference, the General Finance Rules attached (Refer page no. 48). Please consider this query and provide EMD Exemption for MSEs Units.	As Per RFP
15	Section - 1 Eligibility Criteria Point No. 3	Request to add clause of "QCBS" Quality and cost base system to for better selection of OEM & BIDDER	We request to add this clause there are certain tenders of GIL also where QCBS is a part of technical evaluation. i.e. (1) Tender no: SW 27072018165 Pg no. 14(2) Tender no.: Tender No: SW30122014060 Pg no. 13 ONGC guide line for QCBS tender for CCTV attached for your ref.	As per SR. No. 5 As Above
16	Section - 1 Eligibility Criteria Point No. 3 (b)	(b) Bidder should have experience of executing CCTV / Surveillance System Project for at least 10 customer reference sites of IP CCTV Camera & related accessories installation, out of which 5 sites must consist of minimum 16 IP CCTV Cameras per site. Copies of Purchase Order(s) / Contract Agreement and Certificates of Successful Completion from Customer should be submitted.	We request GIL & COT to keep single order of min. 25 sites and order value on less than 2.5 Cr in any government / semi-government / PSU in last three years.	As Per Sr. No, 2 As above
17	Section - 1 Eligibility Criteria Point No. 3	(a) The Bidder should have at least 3 years experience in setting up LAN / WAN, and should have installed minimum 05 LAN / WAN Systems with minimum 50 nodes (here node means IP Camera or Computer or any other networking device) installed and operational in the same campus or different campus. Copies of Purchase Orders / Contract Agreement and Certificates of Successful Completion from Customer should be submitted. (Form no. E-3).	We request GIL & COT to keep only IP CCTV Experience in bidder eligibility criteria since this tender is for CCTV System. LAN/WAN is a part of CCTV System so bidder having IP CCTV Experience will have networking Experience as well but it is not mandatory that bidder with LAN/WAN Experience will have CCTV experience.	As Per Sr No. 1 As above
18	Section - 1 Eligibility Criteria Point No. 3	Solvency certificate to check bidder financial strength to execute such orders.	We request to add clause: "Bidder to submit bank solvency Certificate of min. amount Rs. 3.5 Crore or more".	As Per RFP
19	6. Eligibility Criteria of OEM / CCTV Camera Product Company	6. Eligibility Criteria of OEM / CCTV Camera Product Company	The OEM of proposed Camera, NVR should have its own company registered in India (under Incorporation of Companies Act in India) since last 10 years. Any representation Venture/ consortium shall not be treated as OEM. It should be supported with necessary statutory documents. through a Dealer/ Distributor/ Joint	As Per Sr. No. 7 As above

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20	6. Eligibility Criteria of OEM / CCTV Camera Product Company	6. Eligibility Criteria of OEM / CCTV Camera Product Company	The OEM of the CCTV equipments should not be banned by any government/ institution globally	As Per Sr. No. 6 As above
21	Certification for Cameras & NVR	Certification- CE or FCC and UL/ETL/BIS certified at the time of bidding, The OEM should have ISO 9001:2008 and ISO 14001:2004 certificate for Manufacturing.	We request GIL to keep UL as mandatory certificate instead to have product validation.	As per Sr. No. 8 As above
22	Command & Control Center at the Office	The NVR shall be configured to view all the cameras in the site in a single screen	Need clarity.	As per SR. No. 9 As Above
23	Section - 1 Eligibility Criteria Point No. 3 (b)	(b) Bidder should have experience of executing CCTV / Surveillance System Project for at least 10 customer reference sites of IP CCTV Camera & related accessories installation, out of which 5 sites must consisting of minimum 16 IP CCTV Cameras per site. Copies of Purchase Order(s) / Contract Agreement and Certificates of Successful Completion from Customer should be submitted.	It is requested to put min. single order of 22 sites with Min single order value of 2.5 Cr or above, looking to the tender requirement of multiple site execution.	As Per Sr. No. 2 as above
24	Section - 1 Eligibility Criteria Point No. 3	(a) The Bidder should have at least 3 years experience in setting up LAN / WAN, and should have installed minimum 05 LAN / WAN Systems with minimum 50 nodes (here node means IP Camera or Computer or any other networking device) installed and operational in the same campus or different campus. Copies of Purchase Orders / Contract Agreement and Certificates of Successful Completion from Customer should be submitted. (Form no. E-3).	Request remove only LAN/WAN Experience from PQ criteria and Keep. "Bidder should have at least 3 years of experience in supply, execution and operation of CCTV Systems of min. 50 Cameras. (Min. 05 Orders with 50 or more Cameras) in any government/ semigovernment.	As Per Sr No. 1 As above
25	Section - 1 Eligibility Criteria Point No. 3	Additional	"Positive Neworth" We request to add clause of for Positive Network for bidder in last three years.	As Per RFP
26	Section - 1 Eligibility Criteria Point No. 3	Solvency certificate to check bidder financial strength to execute such orders.	We request to add clause: "Bidder to submit bank solvency Certificate of min. amount Rs. 3 Crore or more".	As per Sr. No. 18 As above
27	6. Eligibility Criteria of OEM / CCTV Camera Product Company	6. Eligibility Criteria of OEM / CCTV Camera Product Company	The OEM of proposed Camera, NVR should have its own company registered in India (under Incorporation of Companies Act in India) since last 10 years. Any representation Venture/ consortium shall not be treated as OEM. It should be supported with necessary statutory documents. through a Dealer/ Distributor/ Joint	As Per Sr. No. 7 As above

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28	6. Eligibility Criteria of OEM / CCTV Camera Product Company	6. Eligibility Criteria of OEM / CCTV Camera Product Company	The OEM of the CCTV equipments should not be banned by any government/ institution globally	As Per Sr. No. 6 As above
29	Certification for Cameras & NVR	Certification- CE or FCC and UL/ETL/BIS certified at the time of bidding, The OEM should have ISO 9001:2008 and ISO 14001:2004 certificate for Manufacturing.	We request GIL to keep UL as mandatory certificate instead to have product validation.	As per Sr. No. 8 As above
30	Command & Control Center at the Office	The NVR shall be configured to view all the cameras in the site in a single screen	Need clarity.	As per SR. No. 9 As Above
31	Page 15/Instructions to Bidders/ARTICLE – 31/ WARRANTY TERMS	Warranty should also cover the equipment damage or burn due to power failure, high voltage, surge and earthing.	Any Warranty do not cover damage of Equipment Damage, Burn due to Power Failure, High Voltage, Surge and Earthing, So Requesting you Remove this Clause .	As Per RFP
32	Page 16/Instructions to Bidders/DELIVERIES AND INSTALLATION / IMPLEMENTATION:	The work has to be completed within 90 days for the date of Work Order issued. The bidder has to take the necessary approval of THE OFFICE for Schematics Diagram (Layout) within 15 days for cabling & laying work of Video Surveillance System and complete the working from the remaining 75 days.)	Requesting you keep it 90 Working Days in Place of 90 Days. Because of in Holiday No body will be Available in Office So it is Difficult to work in Holiday without ant Concern Authority of officer	As per SR. No. 11 As Above
33	Page 16/Instructions to Bidders/Payment Terms	34.1 No advance Payment will be made. 34.2 50 % payment will be made after Delivery of all hardware and related peripherals at site. The inspection will be done by GIL. 34.3 30 % payment will be made after Installation and Completion of Work & Acceptance Test 34.4 Remaining 20 % payment will be made after 90 days from completion of the work and training to personnel from THE OFFICE.	Requesting you Please Change Payment Terms . On Delivery 80 % And After Installation 20%. Generally GIL Report comes after Final Installation , so Bidder doesn't Get any Payment on Delivery It Comes after INC. and Remaining Comes after 3 Month for The Same we are Submitting PBG also.	As Per RFP
34	Page 19/ARTICLE – 39/INSTALLATION REQUIREMENTS	The necessary Civil & Electrical work has to be carried out by the Vendor if required at customer site like requirement of brackets, installation of camera on wall etc. THE OFFICE will not reimburse any cost towards the same. The Vendor need to take necessary permission if require from concern authority	Requesting Please clarify Electrical Work , For Every Rack we need to give Power Cable, MCB which Qty is Generally not Define in tender, Requesting you Please Add Line item for Power cable Separately with Minimum Qty .	Required electrification work have to done by bidder. Bidder have to quote accordingly. No extra cost will be paid by the office for this work

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35	Page 22/ Technical Specification/ Item no.: 1 Indoor Dome 2MP IP Camera & Item no.: 2 Outdoor Bullet 2MP IP Camera	3 to 9 mm or better, DC-iris, motorized Zoom	2.8~12 mm or better, DC-iris, motorize 3 to 9 mm is very short range and some places cannot get exact angle of view adjusted, at least 12~12mm required for better angle of view, this lens also a standard one.	As Per RFP
36	Page 22/ Technical Specification/ Item no.: 1 Indoor Dome 2MP IP Camera & Item no.: 2 Outdoor Bullet 2MP IP Camera	Additional	Audio and Alarm interface Support high sensitive inbuilt Mic, support audio line out and Alarm in/out interface, Support 2 ch alarm in and 1 ch alarm out, Audio in/out and alarm in/out can helpful to voice recording and alarm in/out can helpful to connect external alarm device to the camera, Since This is indoor Camera internal Mic will be useful for Audio recording	As Per RFP
37	Page 22 & 23/ Technical Specification/ Item no.: 2 Outdoor Bullet 2MP IP Camera	IR Range- Min 30 Mtrs or better	Request for 50 Mtr Outdoor Camera is for to cover More Distance ,So requesting you ask for More 50 Mtr ir Also.	As Per RFP
38	Page 22 & 23/ Technical Specification/ Item no.: 2 Outdoor Bullet 2MP IP Camera	3 to 9 mm or better, DC-iris, motorized Zoom	2.8~12 mm or better, DC-iris, motorized, 3 to 9 mm is very short range and some places cannot get exact angle of view adjusted, at least 12~12mm required for better angle of view, this lens also a standard one	As Per Sr. No. 35 As above
39	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	Image sensor and Effective Pixels (Resolution)- 1/28" or better, CMOS Progressive Scan & minimum 2 MP	1/1.8" or better, CMOS Progressive Scan & minimum 2 MP, Larger sensor have high exposure to the camera system and get better video processing with high performance , this will be giving high results in Outdoor roads for monitoring vehicle	As Per RFP
40	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	Multi Focal Lens- ≤6 mm to ≥ 50 mm Lens or better,	≤6 mm to ≥ 50 mm detachable Lens or better, C/CS mount, Detachable C/CS mount lens will give user to select various lens options in future and also suitable for larger sensor solution	As Per RFP
41	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	IR illuminator- External / internal Illuminator with visibility should be at least 50m, Power requirement & connectivity should be part of the solution. Illumination (Color & b/w) should be sufficient to capture Objects	External IR Illuminator with visibility should be at least 100m, Power requirement & connectivity should be part of the solution. Illumination (Color & b/w) should be sufficient to capture Objects - Since the camera are fixed outdoor to monitor vehicles at check post the IR should be very strong and support longer distance since camera asked up to 50mm	As Per RFP

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42	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	Interface- RJ45 for 10/100 BaseT Ethernet	RJ45 for 10/100/1000 BaseT Gigabit Ethernet, this sis 60 Frames high speed camera this required higher Lan port for better data in/out. This also give better performance during multiple streaming	As Per RFP
43	Page 25 & 26/ Technical Specification/Item no.: 8 PoE Layer-2, 24 port Network Switch	Additional	6KVA Surge Protection in all 24 POE Ports, DAD, 802.1X, AAA, Support POE Management like power limit, POE port priority and POE schedule, Packet Buffer should be 4 Mb or more, 1K ACL, Protocol-based VLANs, ARP protection, IP source protection, DoS protectio. Layer 2 switches required additional security functions and POE management to prevent form any network attacks and tampering, Hence request you to add	As Per RFP
44	Page 25 & 26/ Technical Specification/Item no.: 8 PoE Layer-2, 24 port Network Switch	Additional	Operating Temperature: 0°~50° Storage Temperature: -10°~70 Normally normal switches handle 40°C and commercial grade switch handle 50°C and industrial grade switch handle 70°C. Since all this switches are installed in Government environment, which considered as commercial grade hence request you to change to 50°C. Lower operating temperature will have high failures in network	As Per RFP
45	Page 25 & 26/ Technical Specification/Item no.: 8 PoE Layer-2, 24 port Network Switch	Additional	IP30 support with din rail mount, Support redundant Power supply form Day 1, In RTO Many cameras are installed on Outdoor and to connect outdoor cameras at least P30 switches are required ,	As Per RFP
46	Page 25 & 26/ Technical Specification/Item no.: 8 PoE Layer-2, 24 port Network Switch	Additional	6KVA Surge Protection in all 24 POE Ports, DAD, 802.1X, AAA, Support POE Management like power limit, POE port priority and POE schedule, Packet Buffer should be 4 Mb or more, 1K ACL, Protocol-based VLANs, ARP protection, IP source protection, DoS protectio	As Per RFP

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47	Page 25 & 26/ Technical Specification/Item no.: 8 PoE Layer-2, 24 port Network Switch	Additional	Operating Temperature: 0°~50° Storage Temperature: -10°~70	As Per RFP
48	Page 25 & 26/ Technical Specification/Item no.: 8 PoE Layer-2, 24 port Network Switch	Additional	IP30 support with din rail mount, Support redundant Power supply form Day 1	As Per RFP
49	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	Frame Rate 50/60 FPS at Full Resolution	Changes Required: Frame Rate 25/30 FPS at Full Resolution. Most of camera come with 25/30 FPS as per required censor of 1/2.8"	As Per RFP
50	Page 22/ Technical Specification/ Item no.: 1 Indoor Dome 2MP IP Camera	WDR- True WDR >=100 db	True WDR >=120 db True WDR 120 db is helpful to get good video streaming in different lighting condition. So we request you change as we mentioned	As Per RFP
51	Page 22/ Technical Specification/ Item no.: 1 Indoor Dome 2MP IP Camera	Lens- 3 to 9 mm or better, DC-iris, motorized Zoom	2.8~12 mm or better, DC-iris, motorized, 3 to 9 mm is very short range and some places cannot get exact angle of view adjusted, at least 12~12mm required for better angle of view, this lens also a standard one	As Per RFP

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52	Page 22/ Technical Specification/ Item no.: 1 Indoor Dome 2MP IP Camera	Audio and Alarm interface Support high sensitive inbuilt Mic, support audio line out and Alarm in/out interface, Support 2 ch alarm in and 1 ch alarm out	Audio in/out and alarm in/out can helpful to voice recording and alarm in/out can helpful to connect external alarm device to the camera, Since This is indoor Camera internal Mic will be useful for Audio recording	As Per RFP
53	Page 22/ Technical Specification/ Item no.: 1 Indoor Dome 2MP IP Camera	Certification - CE or FCC and UL/ETL/BIS certified at the time of bidding, The OEM should have ISO 9001:2008 and ISO14001:2004 certificate for Manufacturing	Certification - CE or FCC , UL or cUL and ETL or BIS certified at the time of bidding, The OEM should have ISO9001:2008 and ISO14001:2004 certificate for Manufacturing This certification is need for the product quality and safety good performance .So we request you to add this certification	As per Sr. No. 8 As above
54	Page 22 & 23/ Technical Specification/ Item no.: 2 Outdoor Bullet 2MP IP Camera	IR Range - Min 30 Mtrs or better	Min 50 Mtrs or better, Outdoor cameras need more IR distance so we request you to change 50 meter IR	As Per Sr. No, 37 As above
55	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	WDR - True WDR 100 db or better	True WDR >=120 db True WDR 120 db is helpful to get good video streaming in different lighting condition. So we request you change as we mentioned	As per Sr. No. 50 As above
56	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	Image sensor and Effective Pixels (Resolution) - 1/28" or better, CMOS Progressive Scan & minimum 2 MP	1/1.8" or better, CMOS Progressive Scan & minimum 2 MP Larger sensor have high exposure to the camera system and get better video processing with high performance , this will be giving high results in Outdoor roads for monitoring vehicles	As Per Sr No. 39 As above

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57	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	Multi Focal Lens- ≤6 mm to ≥ 50 mm Lens or better,	≤6 mm to ≥ 50 mm detachable Lens or better, C/CS mount Detachable C/CS mount lens will give user to select various lens options in future and also suitable for larger sensor solution	As per Sr. No. 40 As above
58	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	IR illuminator- External / internal Illuminator with visibility should be at least 50m, Power requirement & connectivity should be part of the solution. Illumination (Color & b/w) should be sufficient to capture Objects	Since the camera are fixed outdoor to monitor vehicles at check post the IR should be very strong and support longer distance since camera asked up to 50mm	As Per RFP
59	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	Min.Illumination - 0.5 Lux@30 (IRE) f1.2 (Color)&0.01 L ux@3 0(IRE) f 1. 2(B/ W)	0.0008 Lux Color & 0.0001 L ux B/W, Ultra low lux to have pure color image. Ultra low lux cameras are very common now and it will give clear color video even very dark conditions, This alas will be helpful to get clear number plate against car headlights	As Per RFP
60	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	Interface- RJ45 for 10/100 BaseT Ethernet	Since this sis 60 Frames high speed camera this required higher Lan port for better data in/out. This also give better performance during multiple streaming.	As per Sr. No. 42 As above
61	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	Intelligent Video - Motion Detection, Tampering Alert,	Motion Detection, Face detection, Tampering Alert, tripwire, loiter detection, crowd detection, parking detection Tripwire and Perimeter detection is useful for Detect if there is any object crossing the warning line and perimeter use to know compound wall entry warning line. So we request you add this points	As Per RFP

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62	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	Additional	Support audio line out and Alarm in/out interface, Support 2 ch alarm in and 1 ch alarm out Audio in/out and alarm in/out can helpful to voice recording and alarm in/out can helpful to connect external alarm device to the camera	As per SR. No. 52 As Above
63	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	Outer Casing - Vandal Proof IK10 or above rated, NEMA 4X/ IP66 rated Housing	Vandal Proof IK08 or above rated, NEMA 4X/ IP66 rated 15" Housing with heater and blower. The mounting g bracket should be cable through design. Heater and blower is required for Box cameras which need to fixed on roads and run for 24/7, this will help camera to work in any harsh conditions for long period, the cable through mounting bracket will have all cables lay inside the bracket and secured form tampering	As Per RFP
64	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	Certification -CE or FCC and UL/ETL/BIS certified at the time of bidding, The OEM should have ISO 9001:2008 and ISO14001:2004 certificate for Manufacturing	Certification - CE or FCC , UL or cUL and ETL or BIS certified at the time of bidding, The OEM should have ISO9001:2008 and ISO14001:2004 certificate for Manufacturing. This certification is need for the product quality and safety good performance .So we request you to add this certification	As per Sr. No. 8 As above
65	Page 24/Technical Specification/ Item no.: 4 : 16 CH Network Video Recorder	1#of Gigabit port with load balancing and failover	1#10/100 Ethernet port 16Ch NVR not required gigabit network interface. Fast Ethernet port is enough for transmitting the video data. So we request you to change as we mentioned..	load balancing and failover feature is not required in 16 CH NVR. Please consider the same.
66	Page 24/Technical Specification/ Item no.: 4 : 16 CH Network Video Recorder	16 Channels or better NVR with supports up to 4 SATA hard drives each support up to 4 TB or 2 SATA hard drives each up port up to 8 TB, Should be loaded with 16 TB Capacity of HDDs. Should support Raid 0,1,5	16 Channels or better NVR with supports up to 4 SATA hard drives each support up to 4 TB or 2 SATA hard drives each up port up to 8 TB, Should be loaded with 16 TB Capacity HDDs. Raid is not possible for 2 SATA hard drives each support up to 8TB, Hence request you to remove raid for 2 Hard NVR	As per SR. No. 12 As Above

Sr. No.	Tender Reference		Query / Clarification / Suggestions from the Vendors	Responses to the Queries
	Page No. / Section No. / Clause No.	Tender Description		
67	Page 24 & 25/Technical Specification/ Item no.: 4 to 7 : 16, 32,64 & 128 CH Network Video Recorder	16 CH Network Video Recorder	Make HDD is separate Line Item and IT should have 7200RPM enterprise version hard disk is support more speed for video Read and write and also enterprise HDD failures also very less so stored data loss also protected. So we request you to change.	As Per RFP
68	Page 25/ Technical Specification/Item no.: 8 PoE Layer-2, 24 port Network Switch	Additional	6KVA Surge Protection in all 24 POE Ports, DAD, 802.1X, AAA, Support POE Management like power limit, POE port priority and POE schedule, Packet Buffer should be 4 Mb or more, 1K ACL, Protocol-based VLANs, ARP protection, IP source protection, DoS protection. Layer 2 switches required additional security functions and POE management to prevent form any network attacks and tampering, Hence request you to add	As Per RFP
69	Page 25/ Technical Specification/Item no.: 8 PoE Layer-2, 24 port Network Switch	Additional	Operating Temperature: 0°~50° Storage Temperature: -10°~70° Normally normal switches handle 40°C and commercial grade switch handle 50°C and industrial grade switch handle 70°C. Since all this switches are installed in Government environment, which considered as commercial grade hence request you to change to 50°C. Lower operating temperature will have high failures in network	As Per RFP
70	Page 26/ Technical Specification/Item no.: 9 PoE Layer-2, 8 port Network Switch	Additional	6KVA Surge Protection in all 24 POE Ports, DAD, 802.1X, AAA, Support POE Management like power limit, POE port priority and POE schedule, Packet Buffer should be 4 Mb or more, 1K ACL, Protocol-based VLANs, ARP protection, IP source protection, DoS protection. Layer 2 switches required additional security functions and POE management to prevent form any network attacks and tampering, Hence request you to add	As Per RFP
71	Page 26/ Technical Specification/Item no.: 9 PoE Layer-2, 8 port Network Switch	Additional	Operating Temperature: 0°~50° Storage Temperature: -10°~70° Normally normal switches handle 40°C and commercial grade switch handle 50°C and industrial grade switch handle 70°C. Since all this switches are installed in Government environment, which considered as commercial grade hence request you to change to 50°C. Lower operating temperature will have high failures in network	As Per RFP

Sr. No.	Tender Reference		Query / Clarification / Suggestions from the Vendors	Responses to the Queries
	Page No. / Section No. / Clause No.	Tender Description		
72	Page 26/ Technical Specification/Item no.: 9 PoE Layer-2, 8 port Network Switch	Additional	IP30 support with din rail mount, Support redundant Power supply form Day 1. In RTO Many cameras are installed on Outdoor and to connect outdoor cameras at least P30 switches are required , hence request to Modify this	As Per RFP
73	Page No 24/Item no.: 4 : 16 CH Network Video Recorder	16 Channels or better NVR with supports up to 4SATA hard drives each support up to 4TB or 2 SATA hard drives each support up to 8TB, Should be loaded with 16 TB Capacity of HDDs. Should support Raid 0,1,5	Raid Option Not required for 16 channel NVR with 2 SATA or 4 SATA hard drives. We kindly request you to remove Raid 0,1,5 in 16 channel NVR to accommodate more OEMs for fair bidding competition.	As per SR. No. 12 As Above
74	Page 22/ Technical Specification/ Item no.: 1 Indoor Dome 2MP IP Camera & Item no.: 2 Outdoor Bullet 2MP IP Camera	3 to 9 mm or better, DC-iris, motorized Zoom	2.8~12 mm or better, DC-iris, motorize 3 to 9 mm is very short range and some places cannot get exact angle of view adjusted, at least 12~12mm required for better angle of view, this lens also a standard one.	As Per Sr. No. 35 As above
75	Page 22/ Technical Specification/ Item no.: 1 Indoor Dome 2MP IP Camera & Item no.: 2 Outdoor Bullet 2MP IP Camera	WDR - True WDR 100 db or better	True WDR >=120 db True WDR 120 db is helpful to get good video streaming in different lighting condition. So we request you change as we mentioned	As per Sr. No. 50 As above
76	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	WDR - True WDR 100 db or better	True WDR >=120 db True WDR 120 db is helpful to get good video streaming in different lighting condition. So we request you change as we mentioned	As per Sr. No. 50 As above

Sr. No.	Tender Reference		Query / Clarification / Suggestions from the Vendors	Responses to the Queries
	Page No. / Section No. / Clause No.	Tender Description		
77	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	Image sensor and Effective Pixels (Resolution) - 1/28" or better, CMOS Progressive Scan & minimum 2 MP	1/1.8" or better, CMOS Progressive Scan & minimum 2 MP Larger sensor have high exposure to the camera system and get better video processing with high performance , this will be giving high results in Outdoor roads for monitoring vehicles	As Per Sr No. 39 As above
78	Page 23 & 24/ Technical Specification/ Item No. 3 Outdoor Box 2 MP IP Camera	IR illuminator- External / internal Illuminator with visibility should be at least 50m, Power requirement & connectivity should be part of the solution. Illumination (Color & b/w) should be sufficient to capture Objects	External IR Illuminator with visibility should be at least 100Mtr or more, Power requirement & connectivity should be part of the solution. Illumination (Color & b/w) should be sufficient to capture Objects. For Box Camera it's better to use External IR this will give higher range like 100 to 200Mtr	As per Sr. No. 41 As above
79	Page 24/Technical Specification/ Item no.: 4 : 16 CH Network Video Recorder	1#of Gigabit port with load balancing and failover	1#10/100 Ethernet port, Most of the OEM have Fast Ethernet Port in the 16Ch NVR.	As per SR. No. 65 As Above
80	Page 24/Technical Specification/ Item no.: 4 : 16 CH Network Video Recorder	16 Channels or better NVR with supports up to 4 SATA hard drives each support up to 4 TB or 2 SATA hard drives each up port up to 8 TB, Should be loaded with 16 TB Capacity of HDDs. Should support Raid 0,1,5	Remove the Raid, Raid is not possible on lower version of NVR	As per SR. No. 12 As Above
81	Page 24 & 25/Technical Specification/ Item no.: 4 to 7 : 16, 32,64 & 128 CH Network Video Recorder	Additional	Loaded Hard Disk should be remove from the NVR and asked separate line item in Financial bid. This will create an issue. Also request you to classify the type of HDD i.e. Desktop, Enterprise, Surveillance with RPM speed.	As Per RFP

Sr. No.	Tender Reference		Query / Clarification / Suggestions from the Vendors	Responses to the Queries
	Page No. / Section No. / Clause No.	Tender Description		
82	Page 26/ Technical Specification/Item no.: 9 PoE Layer-2, 8 port Network Switch	Additional	Consider the Our door use in RTO please ask for the industrial grade din rail switch with RPS support.	As Per RFP
83	Page No. 4/Eligibility Criteria/	b) The OEM /IP CCTV Camera Product Company/System Integrator should have installed at least a single project in India containing minimum 500 IP CCTV Cameras (of quoted camera brand) OR 2 projects containing minimum 250 IP CCTV Cameras (of quoted camera brand). OR 3 projects containing minimum 170 IP CCTV Cameras (of quoted camera brand) OR 5 projects containing minimum 100 IP CCTV Cameras (of quoted camera brand) Copies of Purchase Order(s) / Contract Agreement and Certificates of Successful Completion from Customer should be submitted. (Form no. E-7)	As this requirement is of more than 850 No. of IP Cameras so we request you to amend this clause as "CCTV OEM should have supplied minimum 1000 no. CCTV Camera (either direct or through authorized partner) in one single P.O to any Government Institution in India. P.O Copy to be submitted as a proof. "	As Per RFP
84	Page No. 4/Eligibility Criteria/	Additional	All the CCTV Cameras and NVRs should be from reputed OEM and the OEM should be listed among TOP 10 vendors in India as per latest IHS India 2016 report.	As Per RFP
85	Page No. 22/ Technical Specification/ Indoor Dome camera / Outdoor Bullet camera	Lens: 3 to 9 mm or better, DC-iris, motorized	as per tender it gives only 3x optical zoom while min. should be 2.7 - 13.5 mm will give 5x optical zoom at same price and give better optical zoom	As Per RFP
86	Page No. 22/ Technical Specification/ Indoor Dome camera / Outdoor Bullet camera	WDR: True WDR >=100 db	suggesting true WDR i.e. 120dB for better clarity	As per Sr. No. 50 As above

Sr. No.	Tender Reference		Query / Clarification / Suggestions from the Vendors	Responses to the Queries
	Page No. / Section No. / Clause No.	Tender Description		
87	Page No. 22/ Technical Specification/Outdoor Bullet camera	IR Range: Min 30 Mtr or better	As cameras needs to be installed outdoor and at night time max clarity is required so requested to keep 50mtr or higher IR Distance for better clarity during night time.	As Per Sr. No, 37 As above
88	Page No. 22/ Technical Specification/ Outdoor Bullet camera	Additional	IK10 is also recommended for outdoor bullet camera	As Per RFP
89	Page No 24/ Technical Specification/ 16 ch. NVR	Support RAID 0,1,5	as 2 sata NVR / 4 sata NVR doesn't support RAID 0,1,5. so request to remove RAID 0,1,5. if RAID 0,1,5 is required then have to amend it with min. 8 sata slot	As per SR. No. 12 As Above
90	Page No 24 & 25/Technical Specification/16 ch. / 32 ch. /64 ch. / 128 ch. NVR	HDD price	request to keep HDD as separate line item in Price bid to avoid any confusion / ambiguity later on	As Per RFP