

Response to Pre Bid Queries

#	RFP Reference (s) (Section, Page)	Content of RFP Requiring Clarification	Point of Clarification Required	Response
1	Page No. 72, Clause 10.8 Solution Architecture Requirements, sub clause 10.8.1	Application Architecture requirement for Video Management Software:	There is local recording happening at Buses mNVR. Hence please justify the requirement of a Video Management Software? The functional and operational requirement here is for a Command & Control Software Application to reside at Data Centre with its Client's consoles at C&C Room - to be able to acknowledge alarms, verify live or recorded video feed, do two way audio communication (if required) and download the incident footage (if required). All of above are the features of a Open Command Control Application Platform and does not call for VMS (Video Management System) which are primarily designed to record CCTV footage. Most importantly the VMS communicate direct with cameras, BUT here the requirement is to communicate with mNVR and retrieve information - which is one of the key functions of any CCC application.	Bidder to propose the suitable solution meeting the functional requirement having incident management capability with integrated VMS & AVTS solution
2	Page No. 146, Clause Annexure 11.1	VMS Specifications	The specifications are typically for a Video Recording and Management System which communicates direct with the cameras. Here the requirement as per tender is for a Command Control Application which can connect to mNVR and provide video retrieval. Licensing of such Command Centre application MUST NOT be based on the cont of total cameras. It needs to be agnostic to number of edge devices (camera) AND make/model of mNVR which makes it scalable and future proof.	As per RFP
3	Page No. 146, Clause Annexure 11.24	Specification and compliance of Health monitoring software:	The specifications ask for similar features that are being asked in VMS application above i.e. to eb able to capture live and recorded video feed (on demand). This can also serve te purpose of Command Centre Application. Please clarify do we still need to propose a VMS?	As per RFP
4	Page No. 20, Clause 6.26.1, a) Pre-Qualification for Bidder, S.No. 5	The Bidder shall have any two of the following ISO certifications or with latest amendment: <input type="checkbox"/> ISO 9001:2008 <input type="checkbox"/> ISO 20000:2011 <input type="checkbox"/> ISO 27001:2013	May be removed to enable our participation	As per RFP
5	Page No. 24, Clause 6.27.8, S.No. B2	Experience in CCTV: 750 to 1499 cameras in single project	Minimum cameras quantity may be reduce to 700 to 1499	As per RFP
6	Page No. 24, Clause 6.27.8	Minimum % required	1. Condition of Minimum 70% marking in each category (A, B & C) should be relaxed and overall 70% marking may be considered. OR 2. Condition of Minimum 70% marking in each category (A, B & C) may be reduce to minimum 50% marking may be considered.	As per RFP
7	Page No. 21, Clause 6.21 Consortium	Consortium is not allowed.	Consortium may be allowed.	As per RFP

8	Page No. 29, Clause 7	Timeline (D+5 Months)	Since minimum 8-12 weeks are required for delivery of any IT equipment, current time line of D+5 is not practical. Hence overall project timeline may please be considered for 10 months or Delivery period may please be exclusively mentioned in RFP.	As per RFP
9	Page No. 29, Clause 7.1.1, S.No. 1, 2, 6 and 7	P1 = 10% of total cost at s. no. 1.03, 1.04, 1.05 & 1.06 at Annexure: 8.2.1 Financial Bid Format P2 = (Unit Cost for Depot * number of depots commissioned successfully * 10%) 90% of total cost at s. no. 1.03, 1.04, 1.05 & 1.06 at Annexure: 8.2.1 Financial Bid Format 90% of the ((Unit Cost for Depot * depot commissioned successfully) and (Unit Cost for Bus * number of buses commissioned successfully)) in equated quarterly instalments (20 quarters)	Initial 10% payment should be increased to 40% at least for P1, P2 & P3 OR P1 & P2 payment should be increased to 90% in initial 3 months.	Refer to Corrigendum
10	Page No. 20, Clause 6.26.1, a) Pre-Qualification for Bidder, S.No. 2	2. The Bidder shall have positive net worth of INR 30 Cr. In each year for last three financial years i.e. 2015-16, 2016-17, 2017-18	Considering big value project, Net worth may be increased to 100+ Cr.	As per RFP
11	Page No. 9, Important Dates	Last date and time for Bid Submission: 30/11/2018 at 15.00 hours	At least additional 2 weeks from current date of submission may please be given for bid submission i.e. till 14th Dec 2018.	Refer to Corrigendum
12	Page No. 156, Clause Annexure 11.2 Specification and Compliance of Firewall cum L3 Switch for Command Centre., S.No. 4	Firewall appliance should have at least 30x 1GE SFP interface, 6x 10G SFP+ interfaces and 2 GE RJ45 Management ports	Requesting you to revise the clause as "Firewall appliance should have at least 30x 1GE interface, 6x 10G SFP+ interfaces and 2 GE RJ45 Management ports" Kindly remove "30xSFP" with fixed 30x 1 G port as most of the reputed Firewall OEM,s are having 1G Port only hence we are requesting you to remove "SFP". Moreover there will not be any use of taking 1 GE SFP interface in firewall and also it will be increasing the tender budget significantly. Secondly as per tender they quantity of the Firewall is one , it should not become single point of failure, we are requesting you to consider the Firewall in high availability.	Refer to Corrigendum
13	Page No. 22, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions, S.No. 2	The OEM of Camera and mNVR should have installed minimum 5000 IP Cameras in India as on bid submission date.	Kindly Ammend this clause to The OEM of Camera and MNVR should have installed min. 500 IP Camera and 100 MNVR for Mobility Transport Application in Govt of India.	Refer to Corrigendum
14	Page No. 22, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions, S.No. 1	OEM should have been manufacturing CCTV equipment for more than 5 years as on bid submission date	Kindly ammend this clause to The OEM of Camera and MNVR Should presence in INDIA through direct or through subsidiary for last 5 years with fully equipped repair and maintainance center.	As per RFP
15	Page No. 159, Clause Annexure 11.3 Specification and Compliance of IP camera, S.No. 4	Lens :- 2.8mm - 4mm	The lens size which is normally available with all the major and reputed manufacturers is 2.8-12mm but camera is going to install in BUS so its very benefial to go with fix lens 2.8mm. Fix lens 2.8mm will give better angle with maximum coverage. Please do specific for fix lens 2.8mm.	Refer to RFP Annexure 11.3 (S.No. 7)

16	Page No. 159, Clause Annexure 11.3 Specification and Compliance of IP camera, S.No. 10	Video Compression: H.265+ / H.265 / H.264 / H.264+, MPEG-4, M-JPEG	H.265 is the latest video compression technology. This compression technology which is being used by many leading brands and helps to reduce more than 50% bandwidth and storage consumption, keeping the same image level performance and reducing the load over network and storage complexity. H.265 + & H.264+ is brand specific not every OEM is having H.265+ & H.264+. so to have healthy competition Kindly ammend this cluase to H.265 / H.264	Refer to Corrigendum
17	Page No. 159, Clause Annexure 11.3 Specification and Compliance of IP camera, S.No. 16	IR Distance: Distance up to 30m or more	As we are connecting camera in Bus,10m IR is enough to suffice requirement so Kindly ammend this clause to Distance up to 10m or more	Refer to Corrigendum
18	Page No. 161, Clause Annexure 11.4 Specification and compliance of Mobile NVR, S.No. 10	Video Compression Standards Supported: H.265+/ H.265, H.264, H.264+, MPEG-4, MJPEG	H.265 is the latest video compression technology. This compression technology which is being used by many leading brands and helps to reduce more than 50% bandwidth and storage consumption, keeping the same image level performance and reducing the load over network and storage complexity. H.265 + is brand specific not every OEM is having H.265+ so to have healthy competition Kindly ammend this cluase to H.265 / H.264	Refer to Corrigendum
19	Page No. 161, Clause Annexure 11.4 Specification and compliance of Mobile NVR, S.No. 20	Event Based Recording and Tagging: Pre-recording – 1 to 15 minutes (Secondary Stream) Post-recording – 1 to 60 minutes (Secondary Stream)	Event base recording should not be more that 1 to 2 min so that we can save storage space as well as we can see exact recording and we can able send that recording to official over email also.Kindly ammend this clause to Pre-recording – 1 to 15 Sec (Secondary Stream), Post-recording – 1 to 60 Sec (Secondary Stream)	Refer to Corrigendum
20	Page No. 20, Clause 6.26.1, a) Pre-Qualification for Bidder, S.No. 2	The Bidder shall have positive net worth of INR 30 Cr. in each year for last three financial years i.e. 2015-16, 2016-17, 2017-18	Kindly reduce net worth value for healty participation in tender	As per RFP
21	Page No. 20, Clause 6.26.1, a) Pre-Qualification for Bidder, S.No. 3	The Bidder shall have annual turnover of minimum INR 500 crores for last three financial years 2015-16, 2016-17 and 2017-18	Request you to kindly specify if it is consolidated turnover or average turnover in last three years. Kindly reduce Turoovertime for healty participation in tender	Refer to Corrigendum
22	Page No. 20, Clause 6.26.1, a) Pre-Qualification for Bidder, S.No. 4	The Bidder shall have executed or concurrent pro-ject of similar nature, which includes ICT or Sys-tem Integration projects covering supply, installa-tion, testing, commissioning, maintenance and operations in India or abroad in last five years as on bid submission date: At least one (01) project of value not less than INR 150 crores. OR At least two (02) projects, each of value not less than INR 100 crores. OR At least three (03) projects, each of value not less than INR 70 crores.	Kindly reduce the value of project of ICT or System Integration Projects	As per RFP
23	Page No. 22, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions	b. Pre-qualification criteria for Key Products/Solutions,	OEMs of GPS device as per AIS 140 or BIS certified , Maps, Mapping Engines, Application Platform are missing	As per RFP
24	Page No. 22, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions	b. Pre-qualification criteria for Key Products/Solutions,	The OEM should own the intellectual properties rights for the product involved in the Project.	As per RFP

25	Page No. 24, Clause 6.27.8, S.No. A1, Sales turnover	The Bidder should have average annual turnover in last three years i.e. 2015-16, 2016-17 and 2017-18: Greater than INR 1000 crores	Request you to kindly reduce annual turnover slabs	As per RFP
26	Page No. 24, Clause 6.27.8, S.No. A2, Net worth	The Bidder should have net worth in each year for last three financial years i.e. 2015-16, 2016-17, 2017-18:	Request you to kindly reduce network slabs	As per RFP
27	Page No. 24 and 25, Clause 6.27.8, S.No. B1, Experience in Command & Control Centre	Experience in setup and operations of Command & Control Centre for CCTV Surveillance / Emergency Response System / Smart City / Disaster Management in last five years as on bid submission date (completed or ongoing):	Request you kindly incorporate AVLS / GPS experience in setup an operations of Command Control Centre	As per RFP
28	Page No. 25, Clause 6.27.8, S.No. B2	Experience in CCTV	Experience in AVLS is missing	Refer RFP clause 6.27.8 (B2), Page no. 25
29	Page No. 25, Clause 6.27.9, POC (Proof of concept)	All the bidders who clear the pre-qualification will be invited to conduct Proof of Concept (POC) by installing proposed CCTV system in all respects in minimum three (03) buses for minimum 2 days.	AVLS / GPS devices as per AIS 140 or BIS Standard are missing. Request you to kindly incorporate the same.	As per RFP
30	Page No. 60, Clause 10.1 Project Background	The project envisages implementation of surveillance system through video surveillance and auto-matic vehicle tracking system in accordance with the highest standards available for monitoring the activities of the commuters using the DTC and Cluster buses and the crew members. The objective of the project is to ensure safety and security of the passengers, particularly of women passengers through IP based CCTV surveillance cameras in the buses of DTC and Cluster scheme. <input type="checkbox"/> The Purchaser has decided to install IP Based Cameras in 5000 buses (\pm 5%) of existing DTC & Cluster Scheme. <input type="checkbox"/> Three (3) cameras in each bus are proposed to be installed. <input type="checkbox"/> Four (4) panic buttons and one (1) strobe cum hooter.	Vehicle Location Tracking Device with Emergency Button (VTU) is missing. The State or Union Territories shall ensure compliance on rule 125 H of Central Motor Vehicle Rules , 1989 and check fitment and functional status of the VLT device in public service vehicles at the time of checking of the vehicles for fitness certification.	As per RFP
31	Page No. 60, Clause 10.1 Project Background, sub clause 10th bullet point	GPS based vehicle tracking system shall be implemented by adding a GPS module in the mNVR and vehicle tracking software along with vehicle tracking database server shall be installed at DC and DR.	Features & Functionality of GPS based vehicle tracking system is missing.	Refer RFP Anenxure 11.1 (S. No.8) page no.154 and Anenxure 11.6 page no. 165
32	Page No. 64, Clause 10.4 Instruction for Implementation, sub clause 10.4.1 For Buses:	i. The cameras shall be installed inside buses as per specified layout or shall be installed with maximum coverage. ii. mNVR shall be installed inside the bus at specified location only, the location will be decided by Transport Department. iii. The mNVR shall be equipped with 4G/LTE module, Wi-Fi module and GPS module along with its respective antenna to ensure uninterrupted connectivity. iv. The mNVR shall be installed in a rugged, tamper proof, fireproof housing as per technical specification.	Request you to kindly specify GPS module ie Vehicle Location Tracking Device with Emergency Button (VTU) is missing. The State or Union Territories shall ensure compliance on rule 125 H of Central Motor Vehicle Rules , 1989and check fitment and functional status of the VLT device in public service vehicles	As per RFP
33	Page No. 150, Clause Annexure 11.1 Technical Specification and Compliance of VMS Application and Vehicle Tracking Software, S.No. 4.11	The GUI software shall support graphical site representation (map) functionality, where digital maps are used to represent the physical location of cameras and other devices throughout facility.	Details of digital maps with specifications are missing. Request you to kindly include Licenses certificate to Use Map data from Original Map Manufacturing (OEM) Company having India Map Approval from Govt of India Map nodal agency. The OEM should own the intellectual properties rights for the product involved in the Project.	Bidder to propose the suitable solution with integrated GIS meeting the functional requirement as specified in the RFP (Refer Corrigendum)

34	Page No. 22, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions, S.No. 1	The OEM of Camera and mNVR should have a presence in India for the past three years with a fully equipped repair and maintenance center.	Request to consider the OEMs of camera and mNVR who have either direct presence in India or through their authorised registered partner in India for the last three years with a fully equipped repair and maintenance centre"	As per RFP
35	Page No. 159, Clause Annexure 11.3 Specification and Compliance of IP camera, S.No. 4	Lens :- 2.8mm - 4mm	There is no clarity of lens specs whether it is 2.8 mm or 4 mm or else it is vari-focal lens of 2.8 mm to 4 mm.	Refer RFP Annexure 11.3 (S. No. 4 and 7) Page no. 159
36	Page No. 159, Clause Annexure 11.3 Specification and Compliance of IP camera, S.No. 16	IR Distance: Distance up to 30m or more	Request to consider the IR coverage of 20 m as this will be good enough to check the objects under low light conditions within the bus. With 30m distance coverage, the cost of the camera will be increased and also IR will get reflected from the surface of the bus resulting in poor image quality in night vision.	Refer to Corrigendum
37	Page No. 159, Clause Annexure 11.3 Specification and Compliance of IP camera, S.No. 28	Camera Ruggedness : Rugged, vibration and shock proof housing vibration resistance as per EN 50155, EN 50121, AIS004	EN50121 is included in EN50155. AIS004 is for wireless certificate & camera is not wireless here	Refer to Corrigendum
38	Page No. 162, Clause Annexure 11.4 Specification and compliance of Mobile NVR, S.No. 36	Shock resistance: EN 50121 or equivalent	EN50121 is included in EN50155, so both shock and Vibration resistance (clause No. 35) are considered to be same.	Refer to Corrigendum
39	Page No. 163, Clause Annexure 11.4 Specification and compliance of Mobile NVR, S.No. 43	Certification : UL, CE, FCC, EN50155, BIS, EN 61000, AIS004	EN61000 is from European certificate and AIS004 is Indian certificate. Either Indian standard or European standard can be taken	Refer to Corrigendum
40	Page No. 188, Clause Annexure 11.18 Specification and compliance of Passive Component, S.No. 1.05	Corrugated ECCS Tape Black HDPE Jacket 4 Pair 23 AWG Copper Cable with integral cross member pair separator and should support bandwidth of 250 MHz Min	Corrugated ECCS is used in Fiber Cable. Requested to change to "UV Resistant Black Jacket 4 Pair 23 AWG Copper Cable with integral cross member pair separator and should support bandwidth of 250 MHz Min"	As per RFP
41	Page No. 188, Clause Annexure 11.18 Specification and compliance of Passive Component, S.No. 1.06	CAT 6 FTP with Aluminium Foil and Armoured (Steel Tape) with double HDPE sheath.	Clarification required whether FTP or UTP, as UTP mentioned above in heading. If armouring is required, please mention GI wire (size 0.80 mm) armouring.	Refer to Corrigendum
42	Page No. 188, Clause Annexure 11.18 Specification and compliance of Passive Component, S.No. 1.09	The Cable Diameter 9 mm and should be suitable for outdoor direct burial application	Different cable manufacturer have slight variation in diameter. Pls. allow a variation of ± 5 mm in cable diameter.	As per RFP
43	Page No. 188, Clause Annexure 11.18 Specification and compliance of Passive Component, S.No. 1.10	Cable should have Drain wire and outer sheath must be anti-termite.	Drain Wire is required in Shielded Cable only. Hence pls remove drain wire term.	Refer to Corrigendum
44	Page No. 188, Clause Annexure 11.18 Specification and compliance of Passive Component, S.No. 2.03	The high-performance Category 6 UTP LSZH cable shall be of the traditional round design with bisector tape.	Requested to allow cross type separator as it is better. "The high-performance Category 6 UTP LSZH cable shall be of the traditional round design with bisector tape/ cross type separator."	As per RFP
45	Page No. 188, Clause Annexure 11.18 Specification and compliance of Passive Component, S.No. 2.04	Certificate for ETL Verified 4-Connector Channel to ANSI/TIA-568-C.2 Category 6 (1 Gigabit) standards for physical & Electrical specifications / standards	Instead of 4 connector channel ETL certificate, ETL certificate of specifically LSZH cable should be demanded. As 4 connector connectivity not applicable here.	As per RFP
46	Page No. 188, Clause Annexure 11.18 Specification and compliance of Passive Component, S.No. 2.06	FR-PVC Blue Jacket 4 Pair 23 AWG Copper Cable with integral cross member pair separator and should support bandwidth of 600 MHz	Please change FRPVC Blue jacket to LSZH (any color). As LSZH is better. And cat 6 should be certified for 250 Mhz as per standard.	Refer to Corrigendum
47	Page No. 188, Clause Annexure 11.18 Specification and compliance of Passive Component, S.No. 2.10	The Cable Should be UL/ETL certified with Zero Bit error (certificate required)	It is requested to ask for UL/ETL certificate only as zero bit error certificate is not standard certificate and may lead to increase in price.	Refer to Corrigendum
48	Page No. 189, Clause Annexure 11.18 Specification and compliance of Passive Component, S.No. 3.09	It should have a Dust cover to cover the keystone.	Dust cover is more important in face plate than Jack. Please mention in faceplate.	Refer to Corrigendum

49	Page No. 189, Clause Annexure 11.18 Specification and compliance of Passive Component, S.No. 3.00	Cat 6 Jack.	It is requested to consider IP 20 connector for field termination of Jack as that would be most suitable for noisy, vibration prone environment.	As per RFP
50	Page No. 189, Clause Annexure 11.18 Specification and compliance of Passive Component, S.No. 4.03	Type: 24-port Shielded Twisted Pair Category 6 TIA / EIA 568	As you are asking for UTP Cable Patch Panel should be unshielded type & not shielded. Requested to change to "Type: 24-port Un-Shielded Twisted Pair Category 6 TIA / EIA 568"	As per RFP
51	Page No. 189, Clause Annexure 11.18 Specification and compliance of Passive Component, S.No. 5.07	High Impact Plastic Body ABS FR Grade 86 x 147 mm for Quad	86 mm x 147 mm should be changed to 86mm x 86 mm as quad available in this size and will be same as single and dual plates size.	Refer to Corrigendum
52	Page No. 23, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions, S.No. 6	OEM(s) of Network products (Switch) shall be in the Leaders or Challengers' Quadrant of Gartner Magic Quadrant for Enterprise Network, Wired and Wireless LAN Access Infrastructure in any one of last three reports	Requested to allow products available in all Quadrants of gartner magic Quadrant. "OEM(s) of Network products (Switch) shall be in the Leaders or Challengers' Quadrant of Gartner Magic Quadrant for Enterprise Network, Wired and Wireless LAN Access Infrastructure in any one of last three reports"	As per RFP
53	Page No. 20, Clause 6.26.1, a) Pre-Qualification for Bidder, S.No. 2	The Bidder shall have positive net worth of INR 30 Cr. In each year for last three financial years i.e. 2015-16, 2016-17, 2017-18	AS it is Open tender but it appears to us that Eligibility Criteria made like Limited Tender and very stringent to restrict the entry of bidders which is "Not In Line with CVC Notification"	As per RFP
54	Page No. 20, Clause 6.26.1, a) Pre-Qualification for Bidder, S.No. 3	The Bidder shall have annual turnover of minimum INR 500 crores for last three financial years 2015-16, 2016-17 and 2017-18	As per our understanding The asking (2) Network (3) Annual Turn over as per RFP, both are Not In order with the CVC Guidelines"	Refer to Corrigendum
55	Page No. 20, Clause 6.26.1, a) Pre-Qualification for Bidder, S.No. 4	The Bidder shall have executed or concurrent project of similar nature, which includes ICT or System Integration projects covering supply, installation, testing, commissioning, maintenance and operations in India or abroad in last five years as on bid submission date: At least one (01) project of value not less than INR 150 crores. OR At least two (02) projects, each of value not less than INR 100 crores. OR At least three (03) projects, each of value not less than INR 70 crores.	As per our understanding The asking (4) concurrent project of similar nature : Maximum weightage must be given (500 -700 buses Surveillance Project) as per CVC Guidelines Note : Give us chance for bidding due to following Capabilities A. Reasonable/Competitive good cost as compared to inflated cost calculated / will be offered. B. Successfully running DTC 200 buses Surveillance Project from last 4 years without any Single COMPLAINT (Documents Attached) C. 1st Public Transport Surveillance across country (BMTCL (500 Buses) - Gov. of Karnataka) in 2010.	As per RFP
56	Page No. 29, Clause 7	Payment Terms	As it is Opex Model and will be executed in complex working environment like Transport Depots , At least 50% CAPEX should be there. Note : It must be rational to the ground reality	As per RFP
57	Page No. 21, Clause 6.21 Consortium	Consortium is not allowed.	Consortium should be allowed so that startup can also apply for such tenders.	As per RFP
58	Page No. 197, Clause Annexure 11.20 Specification and compliance of Command Centre interior, S.No. 3.01	The scope of the Command Setup includes design; engineering, supply & installation of 24x7 mission critical Control Centre Interiors. As the Control room is a significant place, it is imperative that it shall be designed properly in terms of Aesthetics, Ergonomics and Functionality. Various aspects should be considered while designing Control Room area to create ideal work place, considering physiological aspects such as line of sight and field of vision and cognitive factors such as concentration and perceptivity as per ISO 11064.	To ensure that a uniform and integrated solution is provided to this project which is of National repute so all its components like control desk, ceiling, flooring, panelling, Glass partitions, light & electricals etc should be treated as a part of one single solution i.e. control room. Main bidder to submit MAF from Control Room Solution Provider (CRSP*) for entire control room solution, MAF to be enclosed along with the bid. *Control Room Solution Provider = CRSP	As per RFP

59	Page No. 198, Clause Annexure 11.20 Specification and compliance of Command Centre interior, S.No. 5.02	This facility being the first of its kind, scale & prestige it is mandatory for the bidder to provide Designer Control Room interiors without compromising on the safety and functionality of the facility. Materials having the adverse impact on the environment and nature shall not be accepted. To ensure the quality of the execution and integrity of the components it is mandatory for the main bidder that they get some qualified agency with an experience of minimum 10 turnkey control room project's supply and installation of CONTROLS/Control Rooms or War rooms, including but not limited to Control desk, Illumination, Floorings, Custom designer metal ceilings, wall claddings and doors, completion/appreciation letters to be submitted by the OEM along with the bid. Conventional office designers shall not be accepted.	To ensure an integrated solution & to qualify as per the International control room design & safety norms; main bidder shall bring a professional Control Room Solution Provider (CRSP*) on board with an experience of designing, manufacturing and installing at least twenty control rooms. These packages should have been executed on or before Bid release date. Supporting work orders and completion/appreciation certificates to be enclosed along with the bid.	As per RFP
60	Page No. 198, Clause Annexure 11.20 Specification and compliance of Command Centre interior, S.No. 5.03	Technical Documents: - (Bidder shall submit the documents along with technical Bid)	To ensure participation of quality conscious vendors it is recommended that following details are defined. Technical Documents: - (Bidder to ensure that Control Room Solution Provide has all the following documents on the date of release of the tender and CRSP shall submit all of them along with technical Bid to obtain project level approval).	As per RFP
61	Page No. 198, Clause Annexure 11.20 Specification and compliance of Command Centre interior, S.No. 5.03 (d)	Ergonomic compliance report for control room layout as per ISO 11064	This being the criteria for evaluating the technical capability following text should be added alongwith the existing criteria. UL Certified design of High-density Poly Urethane Foam moulded on industrial grade aluminium core to form 50mm deep tapered edge to be installed on worktop. The Edge shall be mechanically replaceable within 30 minutes in case of damage or wear without opening or removing the worktop. Certificate to be enclosed.	As per RFP
62	Page No. 199, Clause Annexure 11.20 Specification and compliance of Command Centre interior, S.No. 5.05 (a)	The ceiling, Panelling and partition must be of modular design, facilitating future equipment retrofits and full reconfigurations without requiring any major modification to the structure.	This being the design criteria for getting modern control room solution following text should be added alongwith the existing criteria. Control Room Solution Provide shall have In-house architect or should bring a professional architect firm with an experience of doing at-least five control room ergonomic studies. Control Room Solution Provide declaration and reference PO copies to be attached.	As per RFP
63	Page No. 214, Clause Annexure 11.23 Specification and compliance of Command Centre Design, S.No. 4.03	Monitors shall be mounted on Slat wall. All arms shall be articulating Die cast aluminium arm and must not be fixed on the table top. The desk shall be able to house computer equipment, Ethernet Points, Power Distribution Unit. The workstation CPUs shall be mounted on Heavy-duty Slide out CPU trays for ease in maintenance, all equipment and its wiring shall be concealed from direct human view. Console must have exhaust fan for cooling arrangement.	Monitor Arm Assembly shall have auto-lock, push & add/remove die-cast aluminium extendible arms of 150mm each with tool less addition/deletion feature to cater future requirements. Tool less addition / deletion in less than a minute. UL certificate to be enclosed along with the bid.	Refer to Corrigendum
64	Page No. 214, Clause Annexure 11.23 Specification and compliance of Command Centre Design, S.No. 4.04	The OEM of Desk shall be FSC certified	FSC Certified for past two years. The certification shall be effective atleast for last two years before release date of tender.	As per RFP

65	Page No. 214, Clause Annexure 11.23 Specification and compliance of Command Centre Design, S.No. 4.07	The entire console shall be BIFMA X5.5 certified. Valid certificate shall be submitted.	To ensure quality in the final product it is requested that The proposed console must be UL Listed product. Valid certificate to be enclosed with the bid.	As per RFP
66	Page No. 21, Clause 6.26.1, a) Pre-Qualification for Bidder, Note: i.	Note: Parent Company's turnover, net-worth, certifications and project experience would be considered for only 100% subsidiary, division, subdivision, or branch or business unit is the Bidder. The Parent company may be an international entity or Indian company.	Please confirm that Bidder may submit global project experience credentials of Bidder's group company which shares the same ultimate Parent company.	As per RFP
67	Page No. 34, Clause 8.10 Approvals and Required Consents, sub clause 8.10.2	The purchaser shall also provide necessary support to Implementation Agency in obtaining the Approvals. In the event that any Approval is not obtained, the Implementation Agency and the Purchaser will co-operate with each other in achieving a reasonable alternative arrangement as soon as reasonably practicable for the purchaser, to continue to process its work with as minimal interruption to its business operations as is Financially reasonable until such Approval is obtained, provided that the Implementation Agency shall not be relieved of its obligations to provide the Services and to achieve the Service Levels until the Approvals are obtained if and to the extent that the Implementation Agency's obligations are dependent upon such Approvals.	if such situation arise due to any reason and implementation period goes beyond D+5, then no penalty should be imposed on implementation agency under exceptional case. Please confirm.	As per RFP
68	Page No. 45, Clause 8.24 Indemnity and Limitation of Liability, sub clause 8.24.5	The liability of either Party (whether in contract, tort, negligence, strict liability in tort, by statute or otherwise) for any claim in any manner related to this Agreement, including the work, deliverables or Services covered by this Agreement, shall be the payment of direct damages only which shall in no event exceed one time the total contract value payable under this Agreement. The liability cap given under this Clause shall not be applicable to the indemnification obligations set out in Clause 8.24 and breach of Clause 9.8 and 9.7.	Usually the liability cap should not be more than 10% of the project value. We request you to modify this clause accordingly.	As per RFP
69	Page No. 50, Clause 8.35 Transfer of Ownership, sub clause 8.35.1	In case the purchaser wants to retain the system after the expire of the agreement the same may be mutually agreed between Purchaser and the Implementation Agency. In that case the Implementation Agency shall than transfer all titles to the assets and goods procured for the project to the Purchaser or its nominated agency at the time of transfer of ownership of the complete system. This shall include all licenses, titles, source code, certificates, hardware etc. related to the system designed, developed, installed and maintained by the Implementation Agency.	we understand that- 1. As the ownership of the system remains with the IA, IA may sell the system to the purchaser based on the commercial terms mutually agreed. Please suggest. 2. Source code cant be shared until agreed by the OEM. Please suggest.	Commercial and contract terms to be mutually agreed between IA and purchaser.
70	Page No. 12, Clause 5.1 Basic Information (iii)	The Purchaser reserves the right to extend the term for a period or periods of up to 2 (two) years. Such extension or extensions on the same terms and conditions, subject to the Purchaser's obligations at law.	Term extension need to be cleared before the bid submission, if any. As term extension can not be made on th esame terms and conditions. Usually life of electronic equipment is upto 5 years. If term extension happens after 5 years, most the product need a refresh i.e. placement of new equipment. if IA continues with same equipment , in that case AMC charges would be very very high due to higher failure rate of the equipment. we request you to reconsider commercials for Term extension after the completion of 5 year project period.	Commercial and contract terms to be mutually agreed between IA and purchaser after five years and if not agreed, Purchaser may choose to bid.

71	Page No. 62, Clause 10.2 Project Overview	In near future new buses will be added and few old buses will be scrapped. During such transitions within five years the CCTV system installed in to-be scrapped bus will be removed and installed in new bus as per the need and service provider will be responsible to undertake this job.	what shall be the approx quantity of such buses and who shall pay installation charges for this work? Please suggest.	Refer to corrigendum
72	Page No. 60, Clause 10.1 Project Background, sub clause: bullet points 1st, 2nd, 3rd and 4th	<input type="checkbox"/> The Purchaser has decided to install IP Based Cameras in 5000 buses ($\pm 5\%$) of existing DTC & Cluster Scheme. <input type="checkbox"/> Three (3) cameras in each bus are proposed to be installed. <input type="checkbox"/> Four (4) panic buttons and one (1) strobe cum hooter. <input type="checkbox"/> Screen / display of appropriate size shall be provided in each bus to telecast the output from each of these three (3) cameras in a systematic and sequential manner.	What shall be the resource of power to operate camera, mNVR and other equipment? If this is the battery of bus then bus manufacturing company should also provide to make provision to provide power to CCTV equipment. Secondly, how SLA shall be applicable to bidder in case power source is faulty or not able to supply the required current (Amp). please suggest.	Power source is from the vehicle battery. Bidder may consider installation of surge protection device as well.
73	Page No. 60, Clause 10.1 Project Background, sub clause 5th bullet point	The video file in real time shall be accessed from any location VC / Depots / Command Centre for a particular bus from which alert has been triggered through "panic button" installed inside the bus or as and when the authorities intend to view the live video.	Please suggest the minimum data usage requirement on monthly basis in bus and at VC/Depots/command center.	Bidder to estimate the data usage as per the requirement of the RFP and based on practical experience in similar projects.
74	Page No. 60, Clause 10.1 Project Background, sub clause 6th bullet point	Short Messaging text (SMS) and email alerts shall also be sent to the concerned central authorities at the time of emergency in synchronization to these panic alerts.	Please suggest the scope of SMS gate way and mail exchange server. Do we need to configure SMS and email based on numbers of DC i.e. 66 +/- 5%? Please suggest.	All alert/ notification should reach to CCC and Data Center
75	Page No. 65, Clause 10.4.2 For Depot Location, sub clause (iii)	1500va with 60 min battery back up	Please mention the required VAH	1500 VA with 60 min. backup on full load. Bidder to calculate the required battery capacity
76	Page No. 26, Clause 6.27.9, POC (Proof of concept), S.No. 3	Integration of the alerts	What resolution is required on panic situation.	On secondary stream based on the connectivity
77	Page No. 26, Clause 6.27.9, POC (Proof of concept), S.No. 3	Integration of the alerts	All bus camera feed is required on panic situation.	Yes, all camera feeds are required in case of panic alert
78	Page No. 161, Clause Annexure 11.4	General	Two-way mic connectivity is required or not ?	Refer to RFP clause 10.1 project background (Page no. 60)
79	Page No. 60, Clause 10.1 Project Background, sub clause 5th bullet point	The video file in real time shall be accessed from any location VC / Depots / Command Centre for a particular bus from which alert has been triggered through "panic button" installed inside the bus or as and when the authorities intend to view the live video.	Please define the real time directions ?	The end user should be able to access uninterrupted realtime video feed of camera as well as location of the bus at any given point of time on demand as well as in response to the incident management.
80	Page No. 74, Clause 10.8 Solution Architecture Requirements, sub clause 10.8.4	MPLS network Plan and bandwidth requirement	To initiate the feasibility study, Request you to please share the location detailed address and local contact details for respective location.	Refer to corrigendum
81	Page No. 73, Clause 10.8.3	Network Architecture Requirements:	As we understand, Bus will have a SIM Card for connecting to the MPLS network. However, getting a dedicated 4 Mbps connectivity all the time is practically not possible as Mobility network works on a best effort basis.	Bidder shall consider private APN to get the maximum bandwidth and security for all the sim cards and refer to corrigendum for additional specifications and functionality of VMS.

82	Page No. 60, Clause 10.1 Project Background, sub clause 7th bullet point	Two-way audio system shall be installed inside all buses which will be used to establish communication between bus driver and command and control center as and when required.	As per the new M2M guidelines issued by Department of Telecom (DoT), For any M2M SIM Card Outgoing/Incoming calls shall be allowed to / from predefined set of Maximum one number (1) only. Kindly suggest	Bidder to consider SIP protocol (Refer Annexure 11.4, S.No.5 and 6) not on typical GSM voice protocol
83	Page No. 60, Clause 10.1 Project Background, sub clause 11th bullet point	MPLS connectivity at VC / Depots / Command Centre	Please suggest the architecture/topology required for MPLS network .i.e. Hub & Spoke or Any to Any topology.	Any to Any (Refer Clause 10.1, bullet point 5th and 8th, page no. 60)
84	Page No. 60, Clause 10.1 Project Background, sub clause 10th bullet point	GPS based vehicle tracking system shall be implemented by adding a GPS module in the mNVR and vehicle tracking software along with vehicle tracking database server shall be installed at DC and DR.	As GPS system also required a SIM connectivity to transmit the data to central server. Thus, please confirm how many M2M SIMs would be required for each bus. As there will be 3 Camera + GPS system needs a connectivity to transmit the data?	Sim card is considered in mNVR, same sim will be used for the AVTS.
85	General Query	SIM Card Connectivity	What is the expected data usage for each SIM Card/BUS ?	Bidder to estimate the data usage as per the requirement of the RFP and based on practical experience in similar projects.
86	Page No. 74, Clause 10.8 Solution Architecture Requirements, sub clause 10.8.4	MPLS network Plan and bandwidth requirement	Does bidder is expected to provide the MPLS link redundancy on critical locations like Viewing Center, DC , DR & Command Control Center ? Please confirm.	MPLS link redundancy is not required. However bidder to ensure all time availability of solution maintaining uptime of 99.5%.
87	Page No. 97, Clause 15.7.5	Network Availability between: a. Field locations and CCC b. CCC, DC and DR c. DC, DR and Depot	As per the RFP, required SLA Uptime is 99% for Network services at all the location. However, we request the department to split the SLA location-wise and last mile wise. For example, Wireline/Fiber Connectivity Uptime - 99.5% and Wireless/RF - 98.5 %. Please consider our request as availability of fiber at all the depot locations would be practically difficult to achieve considering the ROW permissions involved from various municipal bodies etc.	As per RFP
88	Page No. 156, Clause Annexure 11.2 Specification and Compliance of Firewall cum L3 Switch for Command Centre:, S.No. 4	Firewall appliance should have at least 30x 1GE SFP interface, 6x 10G SFP+ interfaces and 2 GE RJ45 Management ports	Requesting you to revise the clause as "Firewall appliance should have at least 30x 1GE interface, 6x 10G SFP+ interfaces and 2 GE RJ45 Management ports" Kindly remove "30xSFP" with fixed 30x 1 G port as most of the reputed Firewall OEM,s are having 1G Port only hence we are requesting you to remove "SFP". Moreover there will not be any use of taking 1 GE SFP interface in firewall and also it will be increasing the tender budget significantly.Secondly as per tender they quantity of the Firewall is one , it should not become single point of failure, we are requesting you to consider the Firewall in high availability.	Refer to Corrigendum
89	Page No. 22, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions, S.No. 1	The OEM of Camera and mNVR should have a presence in India for the past three years with a fully equipped repair and maintenance center.	Request to consider the OEMs of camera and mNVR who have either direct presence in India or through their authorised registered partner in India for the last three years with a fully equipped repair and maintenance centre"	As per RFP

90	Page No. 159, Clause Annexure 11.3 Specification and Compliance of IP camera, S.No. 4	Lens :- 2.8mm - 4mm	Please clarify if its a fixed lens of 2.8mm or 4mm OR it's a varifocal lens ranging 2.8mm- 4mm	Refer to RFP Annexure 11.3 (S.No. 4 and 7)
91	Page No. 159, Clause Annexure 11.3 Specification and Compliance of IP camera, S.No. 16	IR Distance: Distance up to 30m or more	Request to consider the IR coverage of 20 m as this will be good enough to check the objects under low light conditions within the bus. With 30m distance coverage, the cost of the camera will be increased	Refer to Corrigendum
92	Page No. 22, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions, S.No. 1	<p>Camera and mNVR should be proposed from same OEM for the purpose of better integration and quality of services.</p> <p>The OEM of Camera and mNVR should have a presence in India for the past three years with a fully equipped repair and maintenance center.</p> <p>OEM should have been manufacturing CCTV equipment for more than 5 years as on bid submission date</p> <p>Proposed Product shall be BIS Certified</p> <p>The MAC address of the IP cameras and mNVR must be registered in the name of quoted OEM product</p>	<p>Sir, we Request to reduce it to 1 year, as most of the OEM's have started their operations in india from last One year, to enable the bidders to select competitive OEM's. It may be noted that 5 years manufacturing experience required is restricting the bidders for selecting out of few OEM's.</p>	As per RFP
93	Page No. 22, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions, S.No. 2	The OEM of Camera and mNVR should have installed minimum 5000 IP Cameras in India as on bid submission date	please limited to Minimum 2000 Ip cameras/ analog installation, to enable participation of maximum bidders.	Refer to Corrigendum
94	Page No. 22, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions, S.No. 3	<p>The OEM of Camera and mNVR should have the following certifications:</p> <p>i. CMMI Level-5 certification</p> <p>ii. ISO 9001:2008 and ISO 14001:2004 for its manufacturing process</p> <p>iii. ISO 27001 for Information Security Management System</p>	We have the certificates of E-mark, CE / FCC / ROHS / ISO 9001/ Anti-Vibration Test reports , so request you to allow us to participate	As per RFP
95	Page No. 22, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions, S.No. 4	<p>Products of Camera and mNVR quoted should be of enlisted in any of the IHS report in last three years.</p> <p>The proposed OEM should be any of the top 10 OEMs from the last three years global IHS report for Network Security Cameras</p>	Experienced OEM'S should be allowed for participation & the required clause may be deleted accordingly, it further noted that being an MSME registered Unit, we must be given exemption for experience & turnover criteria as per the Govt. Guidelines for MSME Development.	As per RFP
96	Page No. 23, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions, S.No. 7	The OEM(s) for proposed IP cameras, mNVR and VMS Software should have supplied for at least five projects in any of the State Govt. / Central Govt. / Public sector undertaking in In-dia in last 5 years as on bid submission date	should be limited to Ip cameras/ Analog cameras	As per RFP
97	Page No. 22, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions, S.No. 1	OEM should have been manufacturing CCTV equipment for more than 5 years as on bid submission date	We request you to kindly remove this clause as its stopping participation of emerging Indian manufacturers. CP PLUS is one of the brand who is enlisted in IHS India Market Report 2017 as India's No.1 CCTV brand and Top 4 Security Brands as per IHS World Market Report 2017.	As per RFP
98	Page No. 22, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions, S.No. 3	<p>The OEM of Camera and mNVR should have the following certifications:</p> <p>i. CMMI Level-5 certification</p> <p>ii. ISO 9001:2008 and ISO 14001:2004 for its manufacturing process</p> <p>iii. ISO 27001 for Information Security Management System</p>	We request you to please remove CMMI Level-5 certification, this is for Software companies for software development process	As per RFP

99	Page No. 22, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions, S.No. 4	Products of Camera and mNVR quoted should be of enlisted in any of the IHS report in last three years. The proposed OEM should be any of the top 10 OEMs from the last three years global IHS report for Network Security Cameras	Kindly amend the clause as " proposed OEM of Camera and mNVR quoted should be of enlisted in any of the IHS report in last three years. "	As per RFP
100	Page No. 22, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions, S.No. 9	The Proposed OEMs for IP cameras, mNVR, VMS software, Switches, Firewall should not be blacklisted by any Government body in India as on Bid submission date	As the department is considering OEMs who are in top 10 OEMs list from the last three years global IHS report for Network Security Cameras so it is highly recommended to amend the clause to " The Proposed OEMs for IP cameras, mNVR, VMS software, Switches, Firewall should not be blacklisted by any Government body Globally as on Bid submission date "	As per RFP
101	Page No. 150, Clause Annexure 11.1 Technical Specification and Compliance of VMS Application and Vehicle Tracking Software, S.No. 6.06, (ii)	Physical assault to co-passengers.	We request you to kindly delete this clause.	As per RFP
102	Page No. 159, Clause Annexure 11.3 Specification and Compliance of IP camera, S.No. 4	Lens :- 2.8mm - 4mm	Please amend the line as " Lens 2.8/ 3.6/4/6 mm "	As per RFP
103	Page No. 159, Clause Annexure 11.3 Specification and Compliance of IP camera, S.No. 16	IR Distance: Distance up to 30m or more	Kindly amend the IR Distance to 20 Mtr. 30 Mtr for a bus is long distance and not usable too.	Refer to Corrigendum
104	Page No. 159, Clause Annexure 11.3 Specification and Compliance of IP camera, S.No. 28	Camera Ruggedness: Rugged, vibration and shock proof housing vibration resistance as per EN 50155, EN 50121, AIS004	EN50121 is include in EN50155, AIS004 is for wireless certificate, camera is not wireless, if possible try to get it deleted.	Refer to Corrigendum

105	Page No. 160, Clause Annexure 11.3 Specification and Compliance of IP camera, S.No. 35	Ethernet: 10/100Base T M12 D-Coding (aviation type)	We request you to amend it to A-type (aviation type)	As per RFP
106	Page No. 162, Clause Annexure 11.4 Specification and compliance of Mobile NVR, S.No. 36	Shock resistance: EN 50121 or equivalent	EN50121 is part of EN50155, so we request to please delete this. It is already covered in S.No. 35.	Refer to Corrigendum
107	Page No. 163, Clause Annexure 11.4 Specification and compliance of Mobile NVR, S.No. 43	Certification : UL, CE, FCC, EN50155, BIS, EN 61000, AIS004	EN61000 is from European certificate, AIS004 is Indian certificate. We request you to simply ask for UL, CE, FCC and EN Certificate. There is no limit of certifications and it is increasing the cost of the project and limiting the OEMs too.	Refer to Corrigendum
108	Page No. 164, Clause Annexure 11.5 Specification and compliance of 4G/ LTE module for Mobile NVR, S.No. 12	CE, GCF, RoHS & WEEE Compliant,BIS Certified	Kindly delete this line as most of the OEM have the hardware with integrated 4G module/ GPS Module so separate approvals will be a challenge.	As per RFP
109	Page No. 22, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions, S.No. 4	Products of Camera and mNVR quoted should be of enlisted in any of the IHS report in last three years. The proposed OEM should be any of the top 10 OEMs from the last three years global IHS report for Network Security Cameras	The RFP states that only top 10 brands of cameras listed in the IHS reports will be accepted. IHS Reports are made as per the market sale volume only. It does not consider the quality of the cameras. Many dubious Chinese brands are taking advantage of this as their prices are very much low compared to other global brands and most of such installations are in small establishments, jewellery shop, textiles shops, small offices etc. who are bothered about the cost not quality. As a result competition will be restricted and not fair. This condition may kindly be modified as under 1."Products quoted should be should not be barred/blacklisted by any GOVT. agency in India or globally for cameras/Network Video Recorder. 2. OEM of camera &NVR should have supplied directly or through their authorised System Integrator for minimum 2000 camera requirement for any Government surveillance project. As proof, the OEM or their System Integrator should submit a copy of PO dated not later than the date of release of this RFP, along with an authenticated copy of the BOQ which clearly mentions the make/model of the camera make proposed .	As per RFP
110	Page No. 23, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions, S.No. 7	The OEM(s) for proposed IP cameras, mNVR and VMS Software should have supplied for at least five projects in any of the State Govt. / Central Govt. / Public sector undertaking in In-dia in last 5 years as on bid submission date	The criteria proposed for OEMs is restrictive and in favor of global OEMs. The criteria may kindly be modified to include OEM who have supplied IP cameras for any public institutions, Government departments, Smart City projects tendered by Municipal corporations & its institutions, Police Departments, Public sector banks etc. The above modifications will result in wider and healthy competition to the benefit of a Government institution like Delhi Transport Department	As per RFP
111	Page No. 159, Clause Annexure 11.3 Specification and Compliance of IP camera, S.No. 10	Video Compression: H.265+ / H.265 / H.264 / H.264+, MPEG-4, M-JPEG	Kindly modify this clause as H.265+ / H.265 / H.264 / H.264+/ MPEG-4, /M-JPEG	Refer to Corrigendum
112	Page No. 159, Clause Annexure 11.3 Specification and Compliance of IP camera, S.No. 4	Lens: 2.8mm - 4mm	Kindly clarify the camera lens is Varifocal or fixed lens.	As per RFP
113	Page No. 159, Clause Annexure 11.3 Specification and Compliance of IP camera, S.No. 24	Digital Zoom: 16x	16x digital zoom not required for the mentioned lens range.Kindly modify or remove the clause.	As per RFP

114	Page No. 159, Clause Annexure 11.3 Specification and Compliance of IP camera, S.No. 28	Camera Ruggedness: Rugged, vibration and shock proof housing vibration resistance as per EN 50155, EN 50121, AIS004	Kindly modify the clause as EN 50155/EN 50121/ AIS004 for healthy and fair competition.	Refer to Corrigendum
115	Page No. 160, Clause Annexure 11.3 Specification and Compliance of IP camera, S.No. 37	Interoperability: ONVIF, PSIA, CGI	The which specify a specific OEM. for wider and healthy competition to the benefit of a Government institution like Delhi Transport Department. kindly modify the clause as ONVIF/PSIA/CGI.	As per RFP
116	Page No. 161, Clause Annexure 11.4 Specification and compliance of Mobile NVR, S.No. 20	Event Based Recording and Tagging: Pre-recording – 1 to 15 minutes (Secondary Stream) Post-recording – 1 to 60 minutes (Secondary Stream)	Pre-recording – 1 to 15 minutes (Secondary Stream) Post-recording – 1 to 60 minutes (Secondary Stream) are not Industries standards. Kindly modify the clause as pre & Post recording - 1 to 30 sec as per industry standard.	Refer to Corrigendum
117	Page No. 162, Clause Annexure 11.4 Specification and compliance of Mobile NVR, S.No. 21	Shut Down Delay: Configurable shut down delay after ignition off – 5 min to 4 hours	Request you to kindly remove this clause	As per RFP
118	Page No. 163, Clause Annexure 11.4 Specification and compliance of Mobile NVR, S.No. 41	mNVR should provide video and audio download facility for the desired date/time and duration. It should be possible to connect a laptop to mNVR through network cable on RJ45 port and open mNVR's user interface in a standard browser using a standard URL such as http://nvr (or any other text specified by MoRTH) without having to configure the laptop's network settings. After entering user-id and password (specified by MoRTH), it will be possible to search, view, select and download video clips of desired duration and date/time in standard formats such as .avi or .mpg. It will not be possible to delete any video or change configuration settings using this set of user-id and password.	Kindly modify the clause as .avi or .mpg. or equivalent	As per RFP
119	Page No. 163, Clause Annexure 11.4 Specification and compliance of Mobile NVR, S.No. 42	Data Transfer on 4G/ LTE, 3G and 2G: In case the vehicle moves to an area where 3G coverage is not present, the mNVR will automatically shift to GPRS (2G) connectivity to send the health status data. Also, in such case, on press of an emergency button, the mNVR will automatically shift to a lower frame rate and resolution (both configurable) and send the video from cameras to the backend server over GPRS (2G).	As per OEM Industries standards even a very low quality video to transfer in 2G (GPRS) is not possible. So kindly remove this clause	As per RFP
120	Page No. 163, Clause Annexure 11.4 Specification and compliance of Mobile NVR, S.No. 43	Certification : UL, CE, FCC, EN50155, BIS, EN 61000, AIS004	Kindly modify this clause as UL/CE/ FCC/ EN50155/ BIS/ EN 61000/ AIS004 for fair and healthy competition.	Refer to Corrigendum
121	Page No. 146, Clause Annexure 11.1	VMS Specifications	The specifications are typically for a Video Recording and Management System which communicates directly with the cameras. Here the requirement as per tender is for a Command Control Application which can connect to mNVR and provide video retrieval. Licensing of such Command Centre application MUST NOT be based on the count of total cameras. It needs to be agnostic to number of edge devices (camera) AND make/model of mNVR which makes it scalable and future proof.	Bidder to propose the suitable solution meeting the functional requirement having the incident management capability with integrated VMS and VTS.
122	Page No. 146, Clause Annexure 11.24	Specification and compliance of Health monitoring software:	The specifications ask for similar features that are being asked in VMS application above i.e. to be able to capture live and recorded video feed (on demand). This can also serve the purpose of Command Centre Application. Please clarify do we still need to propose a VMS?	As per RFP

123		<p>The Technical specifications of various components are not generic. They are matching with a particular model in that category which seems to give unjustified and unspoken favour to some particular make and models.</p> <p>Request: Kindly make the specifications generic and popular under which models from various manufactures are available.</p>	<p>Request: Kindly modify the specifications and requirements of Vehicle GPS Tracking System and Panic buttons to comply with AIS 140 norms as per the MORTH order</p>	As per RFP
124		<p>The currently prescribed Vehicle GPS Tracking System and panic buttons specifications do not confirm to the norms of AIS 140 with which as per MORTH Order dated 25. Oct. 2018, all the public vehicles (including all the DTC buses) need to be mandatory equipped by 1 April 2019. The Vehicle GPS Tracking System as per current specs will be useless from 1 April 2019 resulting in waste of public money.</p>		As per RFP
125	Page No. 20, Clause 6.26.1, a) Pre-Qualification for Bidder, S.No. 3	<p>The Bidder shall have annual turnover of minimum INR 500 crores for last three financial years 2015-16, 2016-17 and 2017-18</p>	<p>Request: Kindly modify the tender as per CVC guidelines</p>	As per RFP
126	Page No. 20, Clause 6.26.1, a) Pre-Qualification for Bidder, S.No. 4	<p>The Bidder shall have executed or concurrent project of similar nature, which includes ICT or System Integration projects covering supply, installation, testing, commissioning, maintenance and operations in India or abroad in last five years as on bid submission date:</p> <p>At least one (01) project of value not less than INR 150 crores. OR At least two (02) projects, each of value not less than INR 100 crores. OR At least three (03) projects, each of value not less than INR 70 crores.</p>	<p>Request: Kindly modify the tender as per CVC guidelines</p>	As per RFP
127		<p>Looking to the nature/size of Project Consortium be allowed.</p>	<p>You are kindly requested to amend the RFP as per above detail for competitive and transparent bidding.</p>	As per RFP

128		<p>In view of the orders given by Hon'ble. Supreme Court enforcing the use of only AIS 140 Certified or Approved (ICAT, ARAI etc.) GPS/GPRS Device with Panic Button in Transport Vehicles in the state and additionally as per the Rule 125-H of CMVR, all public service vehicles as defined under clause (35) of Section 2 of the Act, shall be equipped with or fitted with a AIS 140 Certified or Approved (ICAT, ARAI etc.) vehicle location tracking device and one or more emergency buttons OR DTC also called this tender for implementing AIS 140 devices & technology in DTC buses so as to implement guidelines of MORTH, Govt. of India for safety, security, accountability & convenience of citizens of Delhi.</p> <p>This above-mentioned Guidelines also mandate for the CCTV & GPS Based Tracking respectively, if the Accurate Tracking & Precise Reporting is possible with these features of Dual IP, Dual Profile, Tamper Alerts, IRNSS Support etc. with the CCTV Tracking, then why MoRTH Technical Team have Published guidelines Separately for the CCTV & GPS Based Tracking Device. In the light of same CCTV & GPS Tracking both are the different devices and both have different functions. Manufacturer for CCTV & GPS Tracking Device are totally different because of different technology involved in it.</p>	<p>With Respect to Hon'ble. Supreme Court of INDIA, It is requested to department that add the AIS 140 Approved Tracking Device for the same or publish the separate tender for the GPS Based Tracking Device.</p> <p>Hope, the department considers our request as genuine & does the needful in this regard.</p>	As per RFP
129	General		<p>Overall Suggestion: We would like to submit that CCTV in Buses (mobility application) is vastly different from Stationary City Applications and it should appropriately reflect in RFP at various places for a) 'On-Bus OEM Eligibility Criteria' b) 'On-Bus Equipment Specifications' need to be aligned to various National Regulations and Standards, In Public Domain for GPS and CCTV in Public Buses.</p> <p>Such review of Specifications may reduce the Capex Cost by half (over the present specifications which are based Stationary Applications in the City) and assuring a desired level of Reliability in Vity Bus Operation. This is explained item wise in next points below.</p>	As per RFP
130	Page No. 22, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions,	Pre-qualification criteria for Key Products/Solutions	<p>Please add Text: OEM of On-Bus System should have supplied Camera and Recorder for City Buses in at least i) 500 buses and ii) 20 Cities during last 5 Years.</p>	As per RFP

131	Page No. 22, Clause 6.26.1, b) Pre-qualification criteria for Key Products/Solutions	Proposed Product shall be BIS Certified	<p>Standard Nos. of BIS/AIS should be mentioned to avoid any ambiguity</p> <p>a) AIS-140: AUTOMOTIVE INDUSTRY STANDARD Intelligent Transportation Systems (ITS) - Requirements for Public Transport Vehicle Operation mandated under Various GOI Gazette Notifications and mandated effective Jan1st 2019.</p> <p>b) Vehicle Location and Tracking device and Emergency Button IS 16833:2018- ANNEX A: ATD (This is same as AIS 140 device mentioned above)</p> <p>c) Integrated CCTV System IS 16833 :2018 ANNEX C: CCTV system</p> <p>d) Information Technology Equipment –Safety Part 1 General Requirements :2010 Reaffirmed 2016</p>	As per RFP
132	Page No. 64, Clause 10.3 Overview, sub clause (i)	One (1) 9" Display	<p>The Display has to be mounted in front of the Driver with easy view ability.</p> <p>a) Minimum 7" Display as per IS 16833 ANNEX C: CCTV system is Recommended.</p> <p>b) Specifications of the Display should be specified Display as per IS 16833 ANNEX C: CCTV system</p>	Refer to corrigendum
133	Page No. 65, Clause 10.4 Instruction for Implementation, sub clause 10.4.1 For Buses: (v)	An audio console comprises with a spiral adjustable arm microphone and built-in speaker shall be installed at the pilot dashboard or at the overhead beam. The location of the audio console will be decided by Transport Department.	<p>The Function of two way Audio Communication is possible without the 'Console' so only function should be specified and 'Console' should not be mandated. Separate Console is actually redundant and just adds to the cost.</p>	As per RFP

134	Page No. 159 ~ 163, Annexure 11.3, 11.4	Specifications and Compliances of Camera and Recorder	<p>A) Following Test Compliances must be included to ensure life and reliability under mobile City Bus Operation (quite distinct from Stationary CCTV application).</p> <p>Test Compliances as mentioned in IS 16833 : CCTV Annex C</p> <ul style="list-style-type: none"> i. Performance parametric test ii. Shock and vibration test . iii. Ingress protection (IP) iv. Over voltage protection test. v. EMI/EMC test vi. Reverse polarity protection without fuse vii. Test for wiring harness viii. High temperature test ix. Cold test x. Damp heat test xi. Salt spray test xii. USB port overloading test xiii. Endurance test <p>An ARAI / ICAT Test report is mandatory for above tests which apply to Recorder, Camera and Display Panel.</p> <p>B) It is observed that Specifications of mnvr and Camera have been primarily based on Stationary CCTV usage. unnecessarily raising the Capex cost , a few cases are listed below: Resolution has been specified as 2MP while IS 16833 recommends 1 MP for City Bus of 12M . This increases the cost of on-bus equipment and the Storage cost many times over. Infra Red distance is specified as 30 Meters!! –three times the size of the Bus. Please align On-Bus equipment Specifications to City</p>	As per RFP
135	Page No. 165, Annexure 11.6	Specifications of GPS and Panic Buttons	<p>a) It is imperative to follow AIS 140 in totality. Only devices certified and registered as mandated under AIS 140 can now be newly installed after 1st Jan'2019. If mnvr (with in –built gps) is intended to be called GPS device as per AIS 140, mnvr as a device must qualify AIS 140 item by item without deviation.</p> <p>The entire RFP needs to reflect the above clarity.</p>	As per RFP
136	Page No. 154, Clause Annexure 11.1, S.No.8.00	Vehicle Tracking Software	<p>The Software should be based on requirements in AIS 140 /IS 16833 including Protocol, Parameter, Security etc. since all new buses will be based on this National Regulation</p>	As per RFP