

Pre-bid Queries against RailTel Tender No. RailTel/Tender/OT/CO/NTP/2022-23/VSS/005, dated 29-12-2022, held through Video Conference on 09-01-2023

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
1.	CHAPTER-5	Point-2 Eligibility Criteria Requirements for OEM's	Cameras	The Eligibility criteria asked should only be package wise and for participation in all packages, only highest required eligibility should be sufficient instead of asking cumulative.	This restricts wider participation by domestic OEMs and the same was implemented after DPIIT standing committee meeting in previous VSS tender done by RAILTEL for railway stations where all tenders were made individual and respective OEM criteria was only required to participate in the respective tender. No cumulative formula was implemented for evaluation.	Eligibility criteria for OEMs are Package wise only. Please see the Point-3 of Corrigendum-1 for more clarification.
2.			Video Recorder Unit (VRU) /Mobile -Network Video Recorder (including FRS software)			
3.			VMS Software			
4.			Command & Control Centre (H/W + S/W)			
5.			Suggestion	All trains have Train Control and Management System (TCMS). The GPS and other required data should be taken by VRU/Mobile NVR from TCMS.	Taking GPS and other data from TCMS would help maintain uniformity and accuracy in monitoring by railway authorities.	It will be as per RDSO specification
6.	CHAPTER 4	4.A.14.2 Eligibility Criteria Requirements for OEM's:	Suggestion	Prior Experience asked in the tender are as per Global Tender but since it is a Domestic tender therefore OEM eligibility asked should also be domestic. OEM Global eligibility should not be allowed.	Individual Packages values are under 200 Cr respectively, to promote domestic bidding and domestic manufacturer only domestic eligibility should be allowed.	DPIIT-MII order 2017 is already applicable to Tender as per clause no. 4.A.45 of Tender document. Hence, the clause remains unchanged.
7.	Chapter-2	Package-I – NR (EMU) – Schedule 'A'	Wireless Access Point for train coaches and Controller software & hardware with all accessories required for their installation. Controller software & hardware	Please explain used case of wireless controller asked at Datacenters. Will it be used to manage the access points to be deployed inside the coaches and inside MNVR?	We understand that Wi-Fi access points which are asked inside coaches will be configured in client mode and will offload data to Wi-Fi access points already deployed at Railway stations. We also understand that RailTel must have wireless controller already in place	Internal/External access points required in this tender will be configured in client mode and controller Hardware/Software asked is for these APs only & its integration with existing controller Hardware for station WiFi network is not required.

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			will be installed at Rail-Tel Datacenter (One each at Gurgaon & Secunderabad).		for managing access points already deployed on Railway station platforms. How would the controller hardware & software asked at Rail-Tel Datacenter shall be integrated with the existing controller.	
8.	Chapter-2	Package-I – NR (EMU) – Schedule 'A'	Wireless Access Point for train coaches and Controller software & hardware with all accessories required for their installation. Controller software & hardware will be installed at Rail-Tel Datacenter (One each at Gurgaon & Secunderabad).	Please confirm if all the asked access points in different packages are only to be deployed inside coaches.	Access Points would be required at each and every Railway station platform for data offloading.	Data of VRU/M-NVR is required to be offloaded through Mobile SIM (directly to Datacenter through Internet) and through Internal/External access point (Provided inside the coach) to the access points of WiFi network at stations & other Railway Premises.
9.		4.A.14.1	4	Technical Capability The Bidder must have successfully completed or substantially completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited Three similar works# each costing not less than the amount equal as mentioned in BDS (Chapter-5, Section-I), or Two similar works# each costing not less than the amount as mentioned in BDS	Our understanding is that we can use same project for each package to qualify. Please confirm. For Example: We have 1 project of Rs 120 Cr, then we are eligible to participate in all 8 packages.	No, with one project of Rs 120 Cr, bidder is not eligible to participate in all the eight packages. Financial and technical criterion will have to be met cumulatively for the packages, being quoted, combined together as per eligibility criteria mentioned in BDS Chapter-5. Please read examples mentioned in clause no. 4.A.14.1.1 of Tender document carefully.

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				(Chapter-5, Section-I), or One similar work# each costing not less than the amount as mentioned in BDS (Chapter-5, Section-I).		
10.		4.A.14.1.1	a	In case the tenderer wants to quote for more than one packages, the financial and technical criterion will have to be meet separately for each package and cumulatively for the packages being quoted combined together as per eligibility criteria mentioned in BDS Chapter-5.	As bidder has to submit the separate EMD for each package as per RFP document. You are requested to kindly consider the separate Financial & Technical Criteria for each package. Cumulative criteria for qualification need to to be removed. you are requested to kindly amend the clause as per below. In case the tenderer wants to quote for more than one packages, the financial and technical criterion will have to be meet separately for each package and cumulatively for the packages being quoted combined together as per eligibility criteria mentioned in BDS Chapter-5.	It will be as per Tender document.
11.		4.A.22.2		In case, bidder has participated in more than one packages then bidder is required to pay sum of Total EMD amount for all the packages in which the bidder has participated. This Total EMD has to be deposited online in two parts	you are requested to kindly allow us to deposit the EMD in single Payment for each package in form of Bank Guarantee.	It will be as per Tender document.

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12.		Annexure-II	Annexure-II - List of Coaches covered under the scope of present tender	SOR-I EMU/DEMU/MEMU Coaches West Region	You are requested to please share the location list of West region AC-DC Siemens / AC-Retro /AISTOM, Siemens/ M UTP	These are located in Mumbai sub-urban area. Details of Coaches and Depots/Shed given in tender document are indicative and final list will be shared to the successful bidder at the time of issue of the Purchase Order/LOA.
13.		VII		The bidder is required to supply Central VMS Server hardware(including required hardware for CMS), Server Hardware for Facial Recognition Software (Database Server),Server Hardware for Facial Recognition Software (matching Server) and CCC Hardware along with associated software for these items in a centralized set-up in the RailTel Datacenters (Gurugram and Secunderabad) in DC and DR configuration with N+1 redundancy. Access to VMS & CMS for CCTV infra at all coaches under the region shall be provided by the bidders from the centralized set-up through the existing VMS clients installed (on existing PC Workstations) at the RPF Chowki/Thana, Zonal Headquarter, Divisional	The existing VMS client is not compatible with the solution required to be used in the project , hence we can provide the new client software which can be installed and operated using the existing PC workstation at RPF Chowki/Thana, Zonal Headquarter, Divisional Headquarter the client software. kindly confirm.	Not Agreed. Alerts from proposed VMS software of this tender are required to be send and displayed on the existing VMS client (installed under VSS Project at Stations and under other packages of this tender) in existing PC workstations (as per details given in Annexure-I, Chapter-7 of Tender document).

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				Headquarter and CCC location (including any other location decided by RailTel). VMS & CMS access shall also be provided on PC Workstations (covered under each packages), which are required to be installed at Coaching Depots and other locations, as decided by RailTel.		
14.		VIII		Along with the Server/Workstation, bidder is required to propose necessary hardware/ software required for remote management of Servers/Workstation like IPMI Port with KVM over LAN or equivalent. Remote management functionalities include remote OS/Software updation/installation, reboot, shutdown etc.	We understand that the bidder's scope is limited to the supply of the Server/ Workstation at RPF Thana/ Post. The required hardware/ software for remote management of Servers/Workstations will be provided by RailTel or requesting you to incorporate the same in SOR and also provide the details of the DC setup of each location. Kindly confirm.	This is a turnkey tender and all required hardware & software for the management of Servers/PC workstations are required to be supplied by the bidder under the existing SOR items as specified in Tender document.
15.		iii		Supply, laying and fixing of electrical wiring and network cabling including OFC.	Kindly clarify the scope of the referred tender clause as OFC is not part of the SOR. We are requesting you to remove OFC cabling from the scope.	Bidder is free to use either CAT-6 or OFC cable for connecting CCTV Infra provided in this tender and it is not possible to remove OFC cabling.
16.		ix		Integration of existing CCC application with Central Management System including CMS at API/SDK and application level. The bidder should provide API/SDK of CMS, VA & FRS software to the	The bidder's scope is limited to providing API/ SDK of CMS, VA & FRS software and integration will be in the scope of OEM of the existing CCC application. Kindly Confirm.	It is a joint responsibility of Bidder/OEM of CMS, VA & FRS software and OEM of CCC application to integrate their applications. After providing API/SDK of CMS, VA & FRS software, their OEMs should work

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				OEM of CCC application. During project duration (i.e., upto AMC), if required by RailTel, the bidder shall provide the API/SDK of supplied software (under the scope of this tender) to RailTel without any additional cost.		actively with OEM of existing CCC application for integration as specified in tender document.
17.		xii		Integration of the proposed CCTV Surveillance System with existing VSS system at Coaches and existing LAN infra (at RPF Thana/Post location), where VMS is already available.	We are requesting you to provide below details: 1. Existing VSS system Make & Model. 2. Existing LAN infra quantification details. 3. RailTel has to enable us with the respective API/SDK of the existing CCTV surveillance system at coaches 4. Since the source code of the existing CCTV application may not be available. Hence the integration will be limited to the API/SDK provided by RailTel. 5. The best possible efforts will be taken for IP-based systems & complying with ONVIF standards only. 6. Analog systems cannot be integrated. Kindly clarify & confirm.	Details of Existing VSS System have been given in Clause 8.2.4 of Chapter-8 (Please see Point-17 of Corrigendum-I). Integration of VSS Infra provide at Stations and inside coaches is required to be done by the selected bidder as specified in RDSO specification RDSO SPN/TC/65/2021, version-6 or latest (for stations) and RDSO/SPN/TC/106/2022, version 2.1 or latest (for Coaches). Any third party SDK/API will be provided by RailTel through its existing OEMs. Additional details of existing VSS Infra and LAN Infra will be provided to the selected bidder during installation.
18.		xxiii		Bidder is required to integrate the existing CCTV Surveillance system at Coaches (not covered in present scope of Tender) with the CCTV Surveillance system proposed in the Tender during project duration, if required by RailTel/IR.		
19.		xxiv		Bidder shall ensure Integration of his CCTV Infra with EMS application provided by RailTel.	The bidder scope is limited to enable the SNMP/ICMP in all the devices supplied under this project. However, the existing EMS	The selected bidder (along with its OEM) is jointly responsible for integration of its CCTV infra along with the OEM of existing EMS

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					application vendor should enable to the system integrator the required source code, application access, API/SDK to complete the integration as required. We suggest the integration to be done by the respective existing EMS application OEM/ service provider for a seamless integration due to the challenges in sharing the source code. Kindly confirm.	application.
20.		3.B.2	3.B.2	3.B.2 Architecture of CCTV Surveillance System in Coaches Tentative architecture of CCTV system in coaches will be as mentioned in RDSO specification no. RDSO/SPN/TC/106/2022, Version 2.1 or latest with all amendments.	The architecture of the CCTV Surveillance System in Coaches is not available in the tender & RDSO document. Kindly provide.	The selected bidder is free to implement its own architecture for CCTV inside the coaches within the scope specified in RDSO specification for Coaches.
21.		3.B.3	3.B.3 .	3.B.3 Power and Fiber Distribution Design for Coaches Power and Fiber Distribution Design in coaches will be as mentioned in RDSO specification no. RDSO/SPN/TC/106/2022, Version 2.1 or latest with all amendments.	The Power and Fiber Distribution Design for Coaches is not available in the tender & RDSO document. Kindly provide.	

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22.		3.B.4	3.B.4	3.B.4 Network Design for Coaches Network Design for Coaches in coaches will be as mentioned in RDSO specification no. RDSO/SPN/TC/106/2022, Version 2.1 or latest with all amendments	The Network Design for Coaches is not available in the tender & RDSO document. Kindly provide.	
23.		3.B.4.2	3.B.4.2	3.B.4.2 Use of Existing LAN Set-up at Coaches Typical Network Architecture for different Coaches are given RDSO specification no. RDSO/SPN/TC/106/2022Version 2.1 or latest with all amendments	The Existing LAN Set-up Network Architecture for different Coaches is not available in the tender & RDSO document. Kindly provide.	
24.		4.1	4.1	4.1 Full HD Fixed Dome I Wedge type IP Colour Camera	Referred to the camera RDSO tech specification, we request to you consider the inbuilt SD Card for the camera to withstand the below circumstances & retrieval of the data 1. If the connection between NVR & Camera is failed 2. If the NVR is down / fail	RDSO specification for Coaches specifies minimum requirement for Dome type cameras and bidders are free to provide the cameras with additional features.
25.	CHAPTER-2	SCHEDULE OF REQUIREMENT (SOR)	2c. Video FRS software in Video Recorder Unit (VRU)/Mobile Network Video Recorder (M-NVR) inside train coach.	Please define the Qty of Matching servers	Please clarify the no. of server quantities Railtel need in DC & DR as the tender Specs are asking for N:1 configuration of Database Servers.	Bidder is required to supply matching servers as specified in clause no. 4.7.3 of RDSO specification for Coaches covered in package(s) based on the

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26.	CHAPTER-2	SCHEDULE OF REQUIREMENT (SOR)	2d. Server hardware for FRS (matching) in RailTel datacenter and all accessories required for installation purposes (One Set for DC and One Set for DR).	Please define the Qty of Matching servers	We'll suggest fixing the qty of Matching Servers in DC – DR considering the inputs from respective qualifying OEMs as the qty of no. of servers will depend on the no. of face matching requests coming every second for processing to the matching server.	requirement of their solution offered for FRS.
27.	CHAPTER-8	6.2.1 Functional Requirements for Facial Recognition System (FRS) in standstill condition:	XI. Face Recognition Mobile Application for Android and IOS Mobile a. The FRS system shall have Android and IOS Mobile Application for Facial Recognition Purpose. b. Mobile App API shall be provided for third party app integration. Should be demonstrated (i) Android and (ii) IOS Mobile.	Please elaborate on the use cases of the Facial Recognition Mobile Application.	Ideally, the android version is popular and maintained by most of the FRS OEMs, so we'll request you to ask only Android version in the PoC demonstration however if the mobile app must be required then the support of the IOS version can be asked in the final delivery of the system by the OEM.	Agreed. During POC, bidder is allowed to use either IOS or Android mobile app. However, at the time of supply, mobile app shall support both IOS and Android mobile phones. Please see Point-5 of Corrigendum-I.
28.	Chapter-4	4.A.14.2 Eligibility Criteria Requirements for OEM's:	1. The Equipment offered by the OEM or equipment/software of the same series/family from the same OEM should have been satisfactorily working in Government/ PSUs/Telecom Service Providers/ Public Listed Company for at least 12 months as on date of opening of tender, in India or Abroad.	Request to amend the clause as below: "The Equipment offered by the OEM or equipment/software of the same series/family from the same OEM should have been satisfactorily working in Government/ PSUs/Telecom Service Providers/ Public Listed Company for at least 12 months as on date of opening	Generally Satisfactory working certificate of any project for OEM is issued by System Integrator. For OEM, SI is the client. For example, in this RAILTEL project also, RAILTEL will also not give direct PO and satisfactory working certificate to any OEM. OEM get these document from SI only. So, request you to amend the clause for Satisfactory Working certificate from End User/ System Integrator.	Not Agreed. It will be as per Tender document.

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			Supporting Document Required: Satisfactory Working certificate from End User clearly mentioning the make & model number of the offered Hardware. An undertaking by the OEM has to be submitted in support, in case issued satisfactory working certificate is the immediate predecessor of same series/ family of the offered Hardware.	of tender, in India or Abroad. Supporting Document Required: Satisfactory Working certificate from End User/ System Integrator clearly mentioning the make & model number of the offered Hardware. An undertaking by the OEM has to be submitted in support, in case issued satisfactory working certificate is the immediate predecessor of same series/ family of the offered Hardware.		
29.	Chapter-5	Clause 4.A.14.2, Chapter-4-A, (Section-I): Point-2 – Eligibility Criteria Requirements for OEM's -	Video Recorder Unit (VRU) / Mobile -Network Video Recorder (including FRS software): 1. Package-1-NR (EMU) ₹ 10,04,90,588 2. Package-2-ER (EMU) ₹ 42,24,04,763 3. Package-3-WR (EMU) ₹ 43,38,09,476 4. Package-4-SR (EMU) ₹ 15,67,61,014 5. Package-5-NR (Premium) ₹ 16,26,78,554 6. Package-6-ER (Premium) ₹ 13,27,68,079 7. Package-7-WR (Premium) ₹ 8,12,31,685 8. Package-8-SR (Premium) ₹ 5,77,76,709 Total ₹ 1,54,79,20,868	As Video Recorder unit (VRU) / Mobile-network video recorder including FRS Software is a new concept in market so request you to give some relaxation in this for startup companies as per DIPP guidelines to promote startup companies. Request you to delete this criteria for startup companies.		Not Agreed. It will be as per Tender document. For Startups (recognized by Department of Industrial policy and promotion, Ministry of Commerce and Industry) only 1/3 of value as mentioned in BDS (Chapter-5) is required. However, Relaxations given in eligibility criteria are indicative in nature and startup companies are required to submit their proposal for seeking relaxation in above mentioned eligibility criteria. Their proposal will be dealt on case-to-case basis only.

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30.	Chapter-5	Clause 4.A.14.2, Chapter-4-A, (Section-I): Point-2 – Eligibility Criteria Requirements for OEM's -	VMS Software: 1. Package-1-NR (EMU) ₹ 24,25,765 2. Package-2-ER (EMU) ₹ 1,01,96,524 3. Package-3-WR (EMU) ₹ 1,04,71,824 4. Package-4-SR (EMU) ₹ 37,84,089 5. Package-5-NR (Premium) ₹ 39,26,934 6. Package-6-ER (Premium) ₹ 32,04,919 7. Package-7-WR (Premium) ₹ 19,60,870 8. Package-8-SR (Premium) ₹ 13,94,685 Total ₹ 3,73,65,610	Pls clarify if one project of maximum value like ₹ 1,01,96,524 will be enough for all the packages with asked eligibility value less than this figure or we need to show different-2 project experiences for all packages. Or A single project of value ₹ 3,73,65,610 will be enough for all the packages eligibility.		OEMs of VMS can meet eligibility criteria for all eight packages with a single or multiple work orders of minimum value ₹ 1,04,71,824/- for same VMS or VMS of same series/family as specified in clause 4.A.14.2, Point-2 of Tender.
31.	Chapter-8	8.3 Technical Specification: 7. System Software including video management & recording software for cameras, VA for camera tempering etc.	As per Para 4.6 of RDSO/SPN/TC/106/2022, version-2.1 or latest	Referring Para 4.6 of RDSO/SPN/TC/106/2022, version-2.1 for system software (Video management and video recording) specification, there is no encryption algorithm asked for data security purpose. So, suggest you to add the below clause: The software should comply that all client to server and server to server communications and encryption during export are compressed and encrypted and connection specific key should be 256-bit AES and data	Data security is a major concern for such a precitigious Railway project and is also mandatory for VMS OEM to comply as per MIETY Guidelines for data encryption. So, the VMS software must have multiple layer of encryption between cameras to Server , Server to server communication and while exporting videos.	It will be as per RDSO specification

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				encryption should be 256-bit AES. VMS software should have the Encryption algorithm of 4096-bit RSA and hashing of SHA -384 from 3rd party DigiCert trusted G4 for tamper proof data. The exported video should be saved in Secure Export Format for secure non tamper file system with Password key which can be set to 24 Characters. The Client application should support dual password mode for each user.		
32.	Chapter-8	8.3 Technical Specification: 7. System Software including video management & recording software for cameras, VA for camera tempering etc.	As per Para 4.6 of RDSO/SPN/TC/106/2022, version-2.1 or latest	The system software (Video management and video recording) software should have minimum certifications as per industry standard. Request you to please add the clause as below: a). The VMS Application should have undergone that Security Audit Certificate as per the OWASP Guidelines to Mitigate Cyber Security Attacks. The Software model proposed should be same as certified. b) VMS OEM should have ONVIF Profile S, G & T conformant as per ONVIF website. The VMS OEM should	The management and recording software plays a very important role in any CCTV Surveillance project. So, the VMS OEM must have these minimum industry standard certificates.	It will be as per RDSO specification

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				be contributor level/ full level member as per ONVIF Website. c) The VMS OEM should be a certified partner of GPU/VPU leading technology OEM like Intel/Nvidia.		
33.	Chapter-8	8.3 Technical Specification: 5. Facial Recognition Software including software module FRS Cropping Tool	As per Para 4.7 of RDSO/SPN/TC/106/2022, version-2.1 or latest	For FRS Software, it is asked that Face recognition algorithm should be evaluated by NIST. This is a very restrictive clause which restricts many startup companies to participate. So, request you to give some relaxation in this clause and delete it to promote startup companies as per DIPP guidelines.		Not agreed. Please refer to clause no. 4.7.1 of RDSO specification version 2.1 which allows testing of FRS algorithm by any Government test lab authorize for such testing (in addition to NIST).
34.	4.A.2 2	4.A.22.1		Earnest Money Deposit (EMD)/Bid Security	ITI being a Central PSU may be exempted from submission of EMD. Instead, submission of Bid security declaration may be allowed. Alternately full EMD amount may be allowed to be submitted as Bank Guarantee for all the packages	It will be as per Tender document.
35.	1A	A		I/We agreed to pay applicable amount of Grand Total EMD online for packages (out of	Full EMD Amount may be allowed to be submitted in the form of Bank Guarantee for all the	It will be as per Tender document.

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				total eight packages) for which I/We have submitted our bid(s), as per details given below -	packages	
36.	1A	A		I/We agreed to pay applicable amount of Grand Total EMD online for packages (out of total eight packages) for which I/We have submitted our bid(s), as per details given below -	In case a bidder address all packages, EMD of highest value package may be allowed to be submitted in the form of Bank Guarantee	It will be as per Tender document.
37.	4.A.17.6	4.A.17.6		After opening of Price Bid, Reverse Auction (RA) will be applicable as per clause 4.B.9.1.1 of tender document	Considering the scope of work, e Reverse auction process may be removed for competitive quotes. Order may be given based on L1 price	Not Agreed. It will be as per Tender
38.				Estimated Value of the project	Requested to provide the estimated project value of each package	Package wise Bid value (excluding AMC value of schedule-C) is mentioned in the BDS Chapter-5.
39.				Turnover & Experience value	Kindly confirm the basis of turnover & experience calculation package wise.	In case of bidder, For turnover, 150% of bid value (including AMC value) has been considered whereas 60% {of bid value (including AMC above)} for Single similar work, 40% for two similar works and 30% for three similar works has been considered for technical capability.

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40.				clarification required	Please explain deployment scenario of Wi-Fi Access points, User device to associate with Wi-Fi, backhauling to Wi-Fi access Point while train is moving and/or stationary at stations? We understand that objective of Wi-Fi is to transfer CCTV recorded data from recorder unit to central data centre. Kindly elaborate more w.r.t connectivity of central data centre with each access points? Approximately how much data need to transfer?	WiFi Access Point along with Mobile SIM is required to offload data from VRU/M-NVR to DC/DR. RailTel will provide access of station WiFi network for offloading the data. Access point inside the coach should be able to transfer data as specified in RDSO specification. Amount of Data to be transferred will depend on the number of request received from RPF (apart from data pertaining various type of alerts and FRS metadata).
41.	1b	12	As per SCHEDULE OF REQUIREMENT point no 1b its mentions NVR with built-in wireless access point or external if built-in is not available but still separate requirement of Wi-Fi access point mentioned in BoQ? Please clarify if NVR doesn't have built-in Wi-Fi then requirement of Wi-Fi is double the quantity mentioned in BoQ.	clarification required		Bidder is allowed to offer either Internal or external access point as per his offered solution. Only one external/internal access point per coach is required to be supplied by the bidder.
42.	4.4 (II)	16	IEEE 802.11 b/g/n or 802.11 ac	Specification asked for 802.11 ac (Wi-Fi 5) but the project requirement is to transfer full HD quality videos and images in real-time or with a minimal timeline. So the recommendation is to go with	IEEE 802.11ax	RDSO specification for Coaches specifies minimum requirement for CCTV Infra and Bidders are free to provide CCTV Infra with additional features.

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				802.11ax (Wi-Fi 6). With the help of the proposed Wi-Fi 6, we can get upto 1.78Gbps or aggregated throughput which will help to achieve overall requirements.		
43.	4.4 (IX)	16	a) BIS / EN 50155/IEC60571 for rolling stock application for temperature Humidity and vibration.	The feature asked has clause specific to the methodology followed by a few OEM. Request you to kindly allow equitant certification like QM333 to be fulfilled by other OEMs.	a) BIS / EN 50155/IEC60571/QM333 for rolling stock application for temperature Humidity and vibration.	It will be as per RDSO specification
44.			Page No. 63 Clause No.6 (iv) The Bidder should provide unit Rate for additional server..... licenses in detailed BOM.	There is no provision for putting the additional server Price for difference database size.	Please suggest the place where we need to put the prices of additional server	Price of additional server is required to be quoted in detailed BOM and is required to be uploaded with the financial bid. Please read Note-VI under SOR, Chapter-2.
45.			Page No. 63 Clause No. 6 (vii) VMS & CMS access other locations, as decided by RailTel.	Other locations are not defined	Please share the complete locations details	Details of locations are mentioned in Annexure-I, Chapter-7
46.			General Query	Zone wise Store locations are not defined in the tender	Please provide the locations and custodian for the same	Please refer Clause 3.A.1.6.3 of Tender document.
47.			Page No. 64 Clause No.6 (xv) POC should be completed..... binding on the bidder.	POC place and duration of the Individual POC is not mentioned in the tender document. Moreover 30 days for the 3 consecutive POC is very lower side	Please consider for 45 days for 3 POC as material movement, testing and commissioning is time taking process, also please indicate the place where POC will be done	Not Agreed. It will be as per Tender document. POC is expected to be done in Delhi depending upon the availability of coaches by IR.

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48.			Page No. 64 & 65 Clause No. 6 (xvi & xvii) Inspection of following items will be done by RDSO as per RDSO specification Inspected by RailTel authorized representative(s).	There is cost of inspection charges of RDSO and STQC / CERT-IN audit	Please clarify the charges of inspection / audit will be borne by RailTel	Not agreed. Please read Note no. II, under SOR Chapter-2.
49.			Page No. 66 Clause No. 6 (xxii) Bidders, participating in multiple packages, are allowed to optimize their offered..... Hardware / Software in respective Packages after optimization		Data Center requirement may please be dealt in separate package as the bidder may quote for only one package	Not Agreed. It will be as per Tender document.
50.			Page No. 67 Clause No. 6 (xxvii-C) If OEM of alternate Hardware / Software has offered lower rates..... increase the price due to change in OEM		Not Clear, please clarify	Following is the example for more clarification regarding change in OEM after issue of LOA. In case FRS OEM fails to get security verification certificate from CERTIN empanelled Govt. Audit agency, bidder is allowed to offer FRS from alternate OEM who has received security verification certificate. However, if that alternate OEM of FRS has offered its solution at lower price in other packages of this tender, then lowest value among all other packages will be applicable in the package for which LOA has been issued to the bidder.
51.			Page No. 70 Clause No. 3.A.1.3.1 (2) Supply, Installation, Commissioning and Integration with Existing VSS Infrastructure.		Details of Existing VSS Infrastructure may please be provided	Details of Existing VSS System have been given in Clause 8.2.4 of Chapter-8 (Please see Point-17 of Corrigendum-I).

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
52.			Page No. 103 Clause No. 4.A.5.1.1 (a, b, c, d) Payment Terms for Hardware supply items		We proposed 80%-10%-5%-5%	Not Agreed. It will be as per Tender document.
53.			Page No. 103-104 Clause No. 4.A.5.1.2 (a, b, c, d) Payment Terms of software items		We proposed 80%-10%-5%-5%	Not Agreed. It will be as per Tender document.
54.			General Query towards all packages		Request to consider each package independently with its technical and financial criteria	Not Agreed. It will be as per Tender document.
55.			Page NO. 148 Clause No. 4.A.23.1 regarding MSE companies		We request you to exempt MSME companies with valid UDYAM certificate (UAM No.) from EMD submission	Not Agreed. Only MSE companies are exempted.
56.	CHAPTER 4	4.A.14.1	Eligibility Criteria Requirements for Bidders: SN.4. Technical Capability	The Bidder must have successfully completed or substantially completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited. Three similar works# each costing not less than the amount equal as mentioned in BDS (Chapter-5,Section-I), or Two similar works# each costing not less than the amount as mentioned in BDS (Chapter-5, Section-I), or	In Case the bidder wants to quote for more than one no of package, then can the bidder use same work order for the different packages. Kindly clarify.	Not Agreed. Bidder is required to meet technical eligibility criteria cumulatively for quoted packages as defined in Tender document.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
				One similar work# each costing not less than the amount as mentioned in BDS (Chapter-5, Section-I).		
57.	CHAPTER 4	4.A.14.1.2	4.A.14.1.2.1 Available Bid Capacity	Available Bid Capacity= $[Ax N \times 2] - 0.33 \times N \times B$ Where, A = Maximum value of works executed and payment received in any one of the previous three financial years or the current financial year (up to date of inviting tender), taking into account the completed as well as works in progress. N= Number of years prescribed for completion of work for which bids has been invited as defined in clause no. 4.A.4 (I & II). B = Value of existing commitments and balance amount of ongoing works with the tenderer as on date one month prior to the tender closing date to be completed in next 'N' years.	As per clause no. 4.A.4 (I & II), we understand that for Package no. 1 to 4-the 'N' value is '0.5' and for the Package no. 5 to 8-the 'N' value is '1'. Kindly clarify.	Yes. Package no. 1 to 4-the 'N' value is '0.5' and for the Package no. 5 to 8-the 'N' value is '1'. Please see Point-20 to 21 of Corrigendum-I
58.	CHAPTER 4	4.A.14.1.2	4.A.14.1.2.1 Available Bid Capacity	Available Bid Capacity= $[Ax N \times 2] - 0.33 \times N \times B$ Where, A = Maximum value of works executed and payment received in any one of the	We understand that for Package no. 1 to 4-the 'B' value and for the Package no. 5 to 8-the 'B' value will be different with respect to the 'N' value	Yes, your understanding is correct. Please see Point-20 to 21 of Corrigendum-I

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
				previous three financial years or the current financial year (up to date of inviting tender), taking into account the completed as well as works in progress. N= Number of years prescribed for completion of work for which bids has been invited as defined in clause no. 4.A.4 (I & II). B = Value of existing commitments and balance amount of ongoing works with the tenderer as on date one month prior to the tender closing date to be completed in next 'N' years.	(B = Value of existing commitments and balance amount of ongoing works with the tenderer as on date one month prior to the tender closing date to be completed in next 'N' years.) Kindly clarify.	
59.	CHAPTER 4	4.A.5.1	Payment Terms for Supply Items 4.A.5.1.1 For hardware supply items	For hardware supply items, payments will be made on the basis of the supply plan approved by the competent authority in RailTel's Regional Office in phased manner. a) 75% payment of the items would be made on receipt and acceptance of material by the consignee duly inspected and on submission of the following documents subject to any deductions or recovery which RailTel may be entitled to make under the contract:	Request to modify the statement as below: For hardware supply items, payments will be made on pro-rata basis on the basis of the supply plan approved by the competent authority in RailTel's Regional Office in phased manner. a) 75% payment of the items would be made on receipt and acceptance of material by the consignee duly inspected and on submission of the following documents subject to any deductions or recovery which RailTel may be entitled to make under the contract:	Not Agreed. It will be as per Tender document.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
60.	CHAPTER 4	4.A.5.1	Payment Terms for Supply Items 4.A.5.1.2 For software items	For software items, payment shall be made for the software/licenses supplied in stages as per approved supply plan. a) 40% payment of the items would be made on receipt of software/licenses by the consignee duly inspected and on submission of the following documents - (i) Tax Invoice (ii) Delivery Challan (iii) Consignee receipt (iv) Warranty certificate of OEM (v) Contractor's All Risk Insurance Policy (refer clause 4.A.10) (vi) Inspection certificate (refer clause 3.D.1/3.D.3) (vii) A certificate duly signed by the firm certifying that Software licenses are registered in the name of RailTel and conform to technical specification of Tender or RDSO inspection certificate, whichever is applicable. b) 25% payment of the value of items of Schedule – A shall be made by RailTel on installation & commissioning of Coaches/datacenter/other locations.	Request to modify the statement as below: For software items, payment shall be made for the software/licenses supplied in stages as per approved supply plan. a) 40% 50% payment of the items would be made on receipt of software/licenses by the consignee duly inspected and on submission of the following documents - (i) Tax Invoice (ii) Delivery Challan (iii) Consignee receipt (iv) Warranty certificate of OEM (v) Contractor's All Risk Insurance Policy (refer clause 4.A.10) (vi) Inspection certificate (refer clause 3.D.1/3.D.3) (vii) A certificate duly signed by the firm certifying that Software licenses are registered in the name of RailTel and conform to technical specification of Tender or RDSO inspection certificate, whichever is applicable. b) 25% payment of the value of items of Schedule – A shall be made by RailTel on installation & commissioning of Coaches/datacenter/other locations. c) 25% 15% payment on issue of Provisional Acceptance Certificate	Not Agreed. It will be as per Tender document.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
				c) 25% payment on issue of Provisional Acceptance Certificate (PAC). d) 5% payment on issue of Final Acceptance Certificate (FAC) after deduction of penalty, if any, as per clause 4.A.2.4 and 4.A.8. e) Remaining 5% payment shall be made by RailTel on successful completion of Warranty Period after deduction of penalty, if any, as per clause 4.A.2.4 and 4.A.8.	(PAC). d) 5% payment on issue of Final Acceptance Certificate (FAC) after deduction of penalty, if any, as per clause 4.A.2.4 and 4.A.8. e) Remaining 5% payment shall be made by RailTel on successful completion of Warranty Period after deduction of penalty, if any, as per clause 4.A.2.4 and 4.A.8.	
61.	CHAPTER-8	8.3 Technical Specification	S. No 1 - Full HD Fixed Dome type IP Colour Camera As per Para-4.1 of RDSO/SPN/TC/106/2022, version-2.1 or latest 3.0 General Requirement Point no 3.3, Page No 7	Considering the global recognition & acceptance of ONVIF, requesting to kindly amend the clause as: ONVIF 'S' certifications is a mandatory requirement to be submitted by the OEM / Vendor at the time of supply while offered for inspection.	The ONVIF Conformant Product List is the authoritative source for determining whether or not a product is officially ONVIF compliant. Whereas, to meet the interoperability between Video Management Software/NVR and Camera and interoperability between Video Management Software/NVR and SD (memory) Card in the Camera, any other forum or body probably won't provide the actual standard authenticity of the product/system as compared to ONVIF forum	Please refer Note-XVI under SOR, Chapter-2, which specifies that all certificates including ONVIF certificate are required to be submitted at the time of RDSO inspection.
62.	CHAPTER-8	8.3 Technical Specification	RDSO/SPN/TC/106/2022, version-2.1 or latest 3.0 General Requirement Point no 3.11.1, Page No 10	Please help to clarify this point. In addition, in order to support MII policy, it is recommended to have Intellectual Property Rights of Hardware (including MAC address) and Source Code	As per the latest GFR guidelines dated 8th June 2021, Intellectual Property Rights of Hardware (including MAC address) and Source Code and of Software must reside in India, which contradicts the tender, as tender states	It will be as per RDSO specification

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
				and of Software residing in India only, not in any other country apart from India irrespective of it is sharing Land border with India or not.	Intellectual Property Rights of Hardware (including MAC address) and Source Code and of Software must not reside in any Country that shares a Land Border with India. In order to make OEM genuinity more traceable to the purchaser and the inspection authority, Blacklisting should be made by Department of Telecommunications or by Department of Railway, as this authorities has full access about the pending issues and challenges faced by them, thus, requesting to amend the clause as: OEMs must submit a declaration certificate regarding their genuinity, have their own manufacturing setups and IPR for the hardware(s)/software(s), and shall not have 3rd party manufacturing from any company blacklisted in India by Department of Telecommunications or by Department of Railway or abroad. Source code of software is OEM proprietary and highly confidential part. Thus, it is better suggested that RDSO inspection body checks and performs the inspection of source code at OEM factory/premises itself. This will help to ensure the privacy &	

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
					confidentiality of the OEM technology.	
63.	CHAPTER-8	8.3 Technical Specification	RDSO/SPN/TC/106/2022, version-2.1 or latest 3.0 General Requirement Point no 3.12, Page No 10		It is recommended that, MAC address should be verified during the RDSO inspection from the IEEE website or forum in order to check the authenticity of providing the same MAC address as available in the product. Thus, requesting to check & verify the authenticity of MAC address during inspection	Please refer Clause 2 (d) - 4(v) of Annexure-III (Chapter-7) for POC which prescribes the testing of MAC address of HD Dome camera.
64.	CHAPTER-8	8.3 Technical Specification	RDSO/SPN/TC/106/2022, version-2.1 or latest 3.0 General Requirement Point no 3.13, Page No 10	requesting you to allow MTBF certificate or report can be provided by OEM with clarification and amend the clause as: Mean Time Between Failure (MTBF) calculated at 40°C for each type of camera should not be less than 60,000 hours for which OEM shall submit test certificates or clarification or reports	As the surveillance industry is growing fast with the technology for maximizing the security and reducing the related parameters such as Bandwidth, Storage and much more. The existence of invented technology last for around 5~6 Years which turn around to be approx. 60,000 hours. Thus, the mentioned 100,000 Hours MTBF is a brand centric. We request you to kindly make it a healthy competition and reduce the MTBF hours to be updated and upgraded along with the technology. Also, the value of MTBF is generated by the software based on the formula, MTBF value is not calculated by Third party Lab test ,	It will be as per RDSO specification

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
65.	CHAPTER-8	8.3 Technical Specification	S. No. 1 - Full HD Fixed Dome type IP Colour Camera As per Para-4.1 of RDSO/SPN/TC/106/2022, version-2.1 or latest 4.1 Full HD Fixed Dome type IP Colour Camera , Point No V , Page No 11	amend the clause as: Focal Length 2.8 mm or larger, IR corrected, 1 m minimum object distance, Fixed IRIS suitable for Full HD Dome type IP Colour Camera.	On Fixed focal length, iris is fixed, the opening that allows light into the camera cannot be adjusted, as the proposed technical specification for Full HD Fixed Dome type IP Colour Camera required fixed lens of 2.8mm. Auto iris is generally associated with motorized varifocal lens, allowing them to automatically adjust the iris opening to the changing light throughout the day. Fixed Iris is recommended.	It will be as per RDSO specification
66.	CHAPTER-8	8.3 Technical Specification	S. No. 2 - Video Recorder Unit (VRU) / Mobile Network Video Recorder (M-NVR) As per Para-4.2/4.5 of RDSO/SPN/TC/106/2022, version-2.1 4.2 Video Recorder Unit, Point no.XII, page no 14	Please amend clause as: Inbuilt or external (within the housing as per clause no. 3.19) LTE(4G), 3G Mobile communication with standard SIM Card slot with external antenna.	e-SIM card is embedded in main board of device, if damaged will be tough to maintain and it's majorly used for wearable devices like smart watch. Compared with standard SIM card, it has lower security level, and also has the risk of getting hacked. So suggest to remove the 'Note: e-SIM in place of standard SIM Card slot shall also be acceptable if full functionality is achieved'	It will be as per RDSO specification

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
67.	CHAPTER-8	8.3 Technical Specification	S. No. 2 - Video Recorder Unit (VRU) / Mobile Network Video Recorder (M-NVR) As per Para-4.2/4.5 of RDSO/SPN/TC/106/2022, version-2.1 4.2 Video Recorder Unit, Point no. XI, page no 14	Request amend the clause as: Inbuilt or external (within the housing as per clause no. 3.19) GPS / Indian Regional Navigation Satellite System (IRNSS) Module.	Navigation maps is part of VMS function which used to show the location through the GPS data supplied by video reorder unit	It will be as per RDSO specification
68.	CHAPTER-8	8.3 Technical Specification	8.3.1.2 1KVA UPS (xxii) Environmental Parameter A Operating Temperature Range : 0-55 deg	Request you to amend : A Operating Temperature Range : 0-40 deg	As the said UPS are for RPF Thana/control room/DC, we request you to consider the normal operating temperature conditions as per Industry standards and encourage participation from all the reputed UPS manufacturers. Temperature condition 0 - 55 deg translates to Industrial UPS, which will also have commercial impact. This will also limit the participation only to industrial UPS Products / Manufacturers.	Not Agreed. It will be as per Tender document.
69.	CHAPTER-8	8.3 Technical Specification	S. No. 2 - Video Recorder Unit (VRU) / Mobile Network Video Recorder (M-NVR) As per Para-4.2/4.5 of RDSO/SPN/TC/106/2022, version-2.1 4.2 Video Recorder Unit, Point no.v, page no 14	Request to remove the clause, 'Note: It is recommended that it should have support up to 4K UHD.'	As per the camera specifications part, camera resolution asked is 2MP, so if Video Recorder Unit can support 8 Nos., IP 2 Mega Pixel Full HD (1920x1080) Camera, it will suffice the functional requirement.	It will be as per RDSO specification

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
70.			RDSO clause no. 3.4	The Bandwidth will be insufficient at stabling yard if all videos are sought to be uploaded. As several coaches will be sharing the same limited RF bandwidth. It is technically not feasible to upload all videos to the Server. The trains will need to be left powered on. This has major energy consumption issues. If connected to an emergency battery, the NVR will drain the battery. Only Facial images should be uploaded, not entire video. On demand segments should be uploaded. Clarification should be issued to that extent, to avoid post tender conflicts.		It will be as per RDSO specification
71.			RDSO clause no. 3.16	This has no implication on the system design other than providing the Body Worn Cameras access to the Wireless Network infrastructure. This requires addition of Wifi Access Point Inside each coach also as the externally facing WiFi Access Points will not be able to connect to TTE Body Worn Cameras. Alternatively, this only has an implication on the Central Management System Software. Kindly clarify that the TTE body worn cameras do not need integration with the		It will be as per RDSO specification and scope of work specified in Tender document.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
				Coach Infrastructure.		
72.			RDSO clause no. 4.3	0-50C range does not comply with EN50155 specification. Is 0-50C a permitted deviation or higher of the two is to be supplied?		It will be as per RDSO specification
73.			RDSO clause no. 4.6.1	Where will the archived Video be played as the VRU has no connected / Embedded Display. Is an output to a connected VGA/HDMI display acceptable?		It will be as per RDSO specification
74.			RDSO clause no. 4.6.3	Where will the archived Video be played as the VRU has no connected / Embedded Display. Is an output to a portable connected VGA/HDMI display ACCEPTABLE? If so, portable LCDs need to be added to BOQ.		It will be as per RDSO specification
75.			RDSO clause no. 4.6.7	Kindly clarify- support for multiple LCDs from VRU is needed OR Multiple footage windows are to be displayed on a single LCD. language is ambiguous.		It will be as per RDSO specification

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
76.			RDSO clause no. 4.6.8.4	Search And Export to be done using service port or by Connecting HDMI display and USB mouse to VRU. Or through online command from CoC software. Kindly advise if acceptable.		It will be as per RDSO specification
77.			RDSO clause no. 4.7	Assumed not be in scope of supply of VRU and Camera suppliers. Kindly clarify.		It will be as per RDSO specification and scope of work defined in Tender document.
78.			The results of the trial along with the recommendations by the committee should be submitted to the Security Directorate and after the formal approval is accorded, the FRS may be finalized for general application.	We understand this server is still not available at RailTel. How will acceptance testing be carried out?		It will be as per RDSO specification and scope of work defined in Tender document.
79.			The Face Recognition Software shall be deployed on Servers at Data Centre Cloud/ Centralized location as specified by the purchaser with the following minimum requirements:	We understand this server is still not available at RailTel. How will acceptance testing be carried out?		
80.			RDSO Clause no. 4.7.10	We understand this server is still not available at RailTel. How will acceptance testing be carried out?		
81.				The VRU function is limited to Facial Capture and Crop. How is this required to be tested during the POC stage?		Procedure for testing of the offered solution (including VRU/M-NVR, cropping tool & FRS software) by the bidders has been explained in

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
						Annexure-III of Chapter-7.
82.			RDSO Clause no. 4.7.11	The Facial Recognition software is required to be installed in servers as per clause 4.7. What is required to be done with the image of the criminal? The need for maintaining blacklists on VRU was removed as maintaining their database currency across all VRU instances will put unmanageable load on CoC servers. This is totally avoidable.		It will be as per RDSO specification and scope of work defined in Tender document.
83.			RDSO Clause no. 4.9.1	Is En45545 certification for Ethernet cable with HL2/3 Required? . Very pertinent clarification as the cost difference between En45545 cat6 cable and uncertified cable is a factor of 6X. In our understanding Carriage/ Electrical Rules do not permit installation of non EN45545 certified Cat6 cables. Cat6 Cable is an incorrect specification for cameras as they connect over Cat5e cables. Ethernet switch also permits a 100mbps POE port, implying Cat5e is sufficient. Clarification may kindly be issued as this has technical implications. Cat6 E will require		It will be as per RDSO specification

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
				2 pairs to be left floating which may have implications on EMI/EMC compliance to railway standards.		
84.			RDSO Specs- (Page 32 to 38)	Not legible in the specification of RDSO. Detailed PDF may kindly be provided.		Please contact RDSO for collection of legible copies of the drawing.
85.		4.A.1.14.2		Kindly also add eligibility criteria being: vendors already being RDSO approved manufacturers of CCTV for rolling stock who has past experience of having supplied the system for 100 coaches as per 2017/M(C)/137/1 dated 8-6-2017 ICF/MD shall be permitted as eligible OEMs	Rolling Stock Electronics is significantly different from consumer electronics. Established vendor base having field proven products should not be ignored in favor of sources with no past experience on rolling stock.	Not Agreed. As per Clause no. 1 (d & e) of Annexure-A of DPIIT OM P-45014/33/2021-BE-2 (E-64737), dated 20-12-2022, excessive turnover requirement as a pre-qualifying criteria not commensurating with financial capacity required for executing the contract (i.e. much in excess of estimated bid value) and excessive past experience requirement not commensurating with the proven experience expected from bidder for successful execution of the contract should be kept in Tender document to avoid restrictive and discriminatory tender conditions against the domestic manufacturers. Moreover, clarification issued by Ministry of Railways in 08-06-2017 in response to your query, is applicable to production units of Indian Railways which are involved in provision of CCTV in coaches on regular basis.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
						As per Clause no. 4.A.45 of Tender, all the guidelines issued by DPIIT and Meity after issuance of PPP-MII order 2017 are applicable and there is no deviation from these guidelines.
86.		4.A.23		Eligibility criteria for OEM's needs to be relaxed in favor of MSME OEMs having a technically proven product in line with Ministry of Finance circular 1(2)(1)/2016-MA dated 10/3/2016, MSME's, subject to their meeting technical and quality norms are exempted from past eligibility criteria. While we appreciate the said relaxation may not be available for Works contracts, But this tender also places quantitative restrictions on OEMs to whom procurement can be done from by System Integrators. We also draw our attention that Railway Board Circular to comply with MEITY guidelines has not been incorporated in the tender. We draw your	The tender calls for eligibility criteria for OEMs also. We are an approved by RDSO for CCTV products- for EMUs and Premium Trains alike and have a compliant VRU/NVR with FR software that is already being used in the field. We are also a registered MSE. Our solution has been reviewed by Telecom Directorate of RDSO as innovative and complying to the needs of the governing technical specification. Not granting exemption to MSE OEM having technical and quality eligibility from turnover credential is tantamount to violation of the Finance Circular without justification. We reiterate a decision taken by Railway Board vide letter no. 2017/M(C)/137/1 dated 8-6-2017	Not Agreed. It is clarified that at present no vendor has been approved by RDSO under RDSO specification RDSO/SPN/TC/106/2022, version 2.1, which is being followed for this Tender as advised by Ministry of Railways. Please refer to OM No. 1(3)/2018-MA, Part-III dated 27-12-2022, issued by Office of Development Commissioner (Micro, Small & Medium Enterprises), which is applicable only for the procurement of Goods and Services for MSEs and "Work Tender" are excluded from the preview of Public Procurement Policy for MSEs order 2012. This is a "Turnkey Works Tender"

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
				attention that as mandated "All Ministries / Departments / Organizations shall insert the important clauses of PPP-MII Order 2017 in their RFPs / tenders to conform to the PPPMII Order 2017 for procurement of notified electronic products." CCTV being a notified product, the guidelines may kindly be inserted.	whereby supply credentials of 100 coaches have been deemed sufficient for an OEM of CCTV systems have been deemed sufficient for being a regular source for CCTV systems on trains. The excessively restrictive financial criteria on OEM with Rolling stock proven equipment needs to be relaxed in that light too as the mandate to RailTel is qua the railway board, that has already opined on quantities restrictions that may be placed on the OEM. DMEP - guidelines for Make in India - CCTV products also forbid application of such eligibility criteria for CCTV products. Our strong protest in this regards may kindly be taken note of. Necessary relaxations in line with MEITY and Ministry of Finance may kindly be issued for a fair evaluation of the tender, encouraging domestic MSE's OEMs.	which involves supply, installation, testing and commissioning of bidder's solution for CCTV inside the coaches along with three year warranty and five year AMC. Accordingly, relaxation in submission of EMD and Tender fees is applicable for MSEs and all bidders including MSEs are required to meet the qualification criteria prescribed in Tender document.
87.		4.A.14.1		Eligibility Criteria Requirements for Bidders- Line 6. Bidder can be authorized System integrator of OEMs of Camera, NVR, and other parts.. Kindly clarify that multiple authorizations from multiple OEMs for individual parts can be taken. if so, what are the turnover credentials applicable to each components- CCTV,	Please clarify will a MAF (for each of the parts from upto 3 different OEMs for each of the parts will be sufficient to qualify for the SI.	Please refer to Clause 4.A.14.2 of Tender for eligibility criteria prescribed for OEMs of Camera, VRU/M-NVR, FRS Software, VMS Software, Server for VMS & FRS and CCC. Please refer to BDS (Chapter-5) regarding values of eligibility requirement for these OEMs. Please refer to Note XXVII of Chapter-2 under SOR, which

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
				NVR etc? Or the minimum financial criteria will apply to OEM of each product category irrespective of quantum of supplies of a part in the overall quantities?		prescribes that bidders are allowed to quote maximum upto three OEMs for the above mentioned Hardware/Software and are required to submit eligibility documents for each OEMs as mentioned in Clause 4.A.14 of Tender. Please submit all the required documents for all OEMs as clarified above.
88.		4.A.14.2		Eligibility Criteria Requirements for OEM's	Clause 4.6.15 of RDSO specification only calls for Facial Cropping tool without need for Facial Recognition System. There is a conflict between the RDSO specification and this tender conditions and technical requirements.	Only facial cropping tool is required for VRU/M-NVR and FRS Software is required to be installed at DC & DR only. Please see Point-1 of Corrigendum-I
89.		Annexure III		Functional Requirement for Bidders during Proof of Concept (POC). In case of any conflict in the Functional requirements mentioned in this document with RDSO specification no. RDSO/SPN/TC/106 /2022, Version-2.1 or latest, RDSO specification version-2.1 or latest will prevail. Scope of Supply for Onboard Electronics needs review	FRS for VRU is not required by RDSO technical specification. Clause 4.6 requires only facial cropping tool. Whereas Clause 4.7 requires FRS to be provided only on the server. The scope calls for each VRU to have FRS software in scope of supply. Tender technical specification may kindly be reviewed in this light.	Only facial cropping tool is required for VRU/M-NVR and FRS Software is required to be installed at DC & DR only. Please see Point-1 of Corrigendum-I

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
90.		Note XXVII		Change of OEM post tender based on performance during POC How will evaluation been done? We understand: 1. Inter-se ranking will be done based on originally quoted price. 2. Without violating the confidentiality of the tender, the new OEM, an SI may want to consider, cannot divulge the price to the new SI. 3. The SI replacing the part with an alternate OEM equipment, will not know the OEM price quoted by other vendors till the price bid opens. 4. After the bid opens- we understand, the bidder will be counter offered the L1 price of that OEM from across the makes. At this point, the OEM may feel the financial bid is not remunerative and may want to withdraw. Will his EMD be forfeited or a withdrawal permitted? If a valid bid that is L1, is withdrawn post tender opening, will the tender be considered as vitiated? 5. Please note that the Bidder eligibility as an SI is drawn from the OEM authorization. Hence, principle of one OEM-One bid is being bypassed here. Is this	Kindly Clarify these questions as this is a unique provision of this tender and needs adequate clarification.	At the time of bid submission, bidder is required to quote maximum upto 3 OEMs each for cameras, VRU/M-NVR, VMS software, FRS software, Server for VMS and database & Matching server for FRS along with original bid. As specified in Clause no. XXVII of note under SOR, Chapter-2, during technical evaluation stage (including POC), bidder is allowed to change OEM under the condition prescribed in the Tender. While submitting financial bid, bidder is required to consider any price implication due to change in OEM as prescribed in Tender document.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
				intentional to meet the exigency of the work? Can one OEM authorize several SI's? If yes, the eligibility of SI being qua the OEM authorization needs to be removed.		
91.		ii	Page 71	Bidder to do a site survey The sites are spread across several cities. With only 20 working days to the tender, site survey is not feasible. Kindly afford more time for the said site survey or pend the site survey to the post POC stage.		Not Agreed. It will be as per Tender document.
92.		viii	Page 71	bidder to extend network Connectivity of the system to RailTel Server	Does that imply coach to wayside networking is to be provided by the Bidder/ Contractor? The scope of supply needs to be suitably amended if that is the intent or the clause may kindly be deleted. Mobile Network connectivity also needs deletion.	Bidder is required to integrate its offered solution inside coach to RailTel's datacenter (where Servers for various software will be hosted) either by using existing WiFi network at Station/Depot/other locations or by using Mobile SIM provided in VRU/M-NVR. Mobile connectivity needs to be provided as specified in RDSO specification.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
93.		xx	Page 72	UPS has been demanded with batteries.	Batteries are not permitted to be installed in passenger service area due to health hazard concerns. Further, kindly clarify on any restrictions on battery chemistry. Kindly clarify if the UPS needs to be En50155 certified like all other onboard electronics of the system in line with RDSO specification. Since RDSO specification does not cover UPS, certification requirements may kindly be inserted as a special condition of the contract. Purpose of the UPS may kindly be clarified. 110V DC control voltage of the coach is available from the batteries. Scheme of connection to the coach battery may kindly be clarified and trigger for it to provide backup. Are solutions alternate to a UPS acceptable. if so, kindly insert an enabling clause.	1 KVA UPS is required to be installed with PC workstation at RPF Thana/Post/Shed /Depot or any other location as advised by RailTel. No UPS is required to be installed inside the coach.
94.	Chapter-2	SOR Notes (XXVII)		CHANGE IN OEM	In the present work going on for VSS at stations, the system Integrator(s) have not started executing the works even months after award of the work. Instead, they are looking to off load the project in the market. How does RailTel plan to prevent the same?	Doesn't pertain to the Tender under consideration.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
95.	Chapter-4	4.A.14.2.1			Also, the change in OEM after successful POC and award of work would result in endless negotiations post award of LOA. Also, what would prevent SI from using 3 different solutions in different coaches during the execution as some OEM may give a higher discount while project execution is going on. So, potentially every month or every coach may have different solutions during execution.	Change in OEM is allowed only under certain conditions as specified in Clause no. XXVII (Note under SOR, Chapter-2) of Tender document, which is clarified below – 1. <u>POC Stage</u> - Change in OEM (from Hardware/Software for 1st attempt of POC) is allowed only in case of OEM's failure to demonstrate any functional parameter as specified in Annexure-III (Chapter-7) of Tender. 2. <u>During Technical Evaluation Stage</u> - Change in OEM is allowed (from solution passed during POC) only in case of OEM's failure to meet eligibility conditions as prescribed in clause 4.A.14 of Tender. 3. <u>After issue of LOA</u> - Change in OEM is allowed only in case of OEM's failure in arranging Interoperability or security verification certificate or delay in supply. Further, change in OEM due to delay in supply will be allowed only after getting a certificate from the concerned OEM accepting delay in supply of their offered Hardware/Software.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
96.	Chapter-4	4.A.44 Integrity Pact Program	a)	Only those vendors who have purchased the tender document and signed the IP document can send their grievances, if any, to the Independent External Monitors (IEMs) through the nodal officer, i.e.GM/NTP, RailTel. Name of IEMs and contact details: 1. Shri. Vinit Kumar Jayaswal, E-Mail: gkvinit@gmail.com 2. Shri. Punati Sridhar, E-mail: poonatis@gmail.com Name & contact details of Nodal Officer (IP) in RailTel: GM/NTP RailTel Corporation of India Ltd 6th Floor, Office Block Tower-2, NBCC Complex, East Kidwai Nagar, New Delhi-110023 E-Mail: pawaria@railtel.in	Is this clause applicable? As in VSS tender for stations, when bidders had requested for IEM to be appointed, the same was not done and has not been appointed till date.	VSS Tenders floated earlier by RailTel was also covered under Integrity Pact and contact details of IEMs were provided in the Tender documents floated by RailTel. This Tender is under Integrity Pact and bidder's grievances, if any, may be sent to the IEMs through the nodal officer i.e. GM/NTP.
97.				OWASP – Country of Origin to be checked by STQC		It will be as per RDSO specification no. RDSO/SPN/TC/106/2022, version 2.1 or latest.
98.	Chapter-2	SOR Schedule-A of Package 1 to 4	1a	Please provide the location of the camera to be installed inside/outside the coach as the specification is slightly different for them. The quantity provided in SOR is different from tentative quantity with location given in RDSO specifications.	As per RDSO the cameras for inside coach are IP66 or better and cameras to be installed outside coach should be IP67/IP68 as mentioned in the note of cameras specifications in the RDSO specification.	Please refer clause 2.1 of RDSO specification no. RDSO/SPN/TC/106/2022, version 2.1 or latest and Cameras to be installed as per drawing given in RDSO specification for Coaches.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
99.	Chapter-2	SOR Schedule-A of Package 5 to 8	1a	Please provide the location of the camera to be installed inside/outside the coach as the specification is slightly different for them.	As per RDSO the cameras for inside coach are IP66 or better and cameras to be installed outside coach should be IP67/IP68 as mentioned in the note of cameras specifications in the RDSO specification.	Please refer clause 2.1 of RDSO specification no. RDSO/SPN/TC/106/2022, version 2.1 or latest and Cameras to be installed as per drawing given in RDSO specification for Coaches.
100.	Chapter-2	SOR Schedule-A of Package 1 to 8	1f	As per the SOR description: Tender Clause: Video Analytic software in Video Recorder Unit (VRU)/Mobile Network Video Recorder. Query: However as per RDSO 2.1, Each Camera shall be enabled with tampering alarms using camera analytics or system software. Please confirm if the asked line item in SOR only refers to RDSO Version 2.1, as there are no other analytics software mentioned in the specifications		As per RDSO, Camera tampering analytics is to be provided at each camera installed in the Coaches. SOR only refers to analytics as mentioned in RDSO specification no. RDSO/SPN/TC/106/2022, version 2.1 or latest.
101.	Chapter-3	3.B.5		Tender Clause: The Alarm from each Coaches should go to the nearest RPF Thana/Post, Divisional headquarter, Zonal headquarter or any other location as specified by RailTel. Query: The Alarms received/generated at DC/DR should go to the nearest RPF Thana/Post,		Alarms received/generated based on data received from Coaches and will be sent from DC/DR to the nearest RPF Thana/Post, Divisional headquarter, Zonal headquarter or any other location as specified in RDSO specification no. RDSO/SPN/TC/106/2022, version 2.1 or latest.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
				Divisional headquarter, Zonal headquarter or any other location as specified by RailTel.		
102.		Proof of Concept	3.A.XII, XIII	POC Clause: Dashboard – Dashboard of CMS shall display status (In progress/Completed) of request pertaining to video footage by 2 PC Workstations (2 Request from each). a. Wi-Fi b. LTE Query: Please define how the LTE is going to connect to your central server.		Connection between Server at DC/DR and LTE SIM inside the Coach through Internet as specified in RDSO specification no. RDSO/SPN/TC/106/2022, version 2.1 or latest and bidder is required to ensure safety & security of the data & alerts being transmitted over internet from Coaches to DC/DR as specified Point-XI, Note Under SOR, and Chapter-2 of Tender document.
103.		RDSO Clause no. 2.5		The Cameras and Video Recorder Unit / Mobile NVR of running trains shall be accessible on real time basis through available Wi-Fi and LTE network as and when required from Data Centre / Centralized locations / Clients for Viewing, Monitoring and Alarms	Will the on board cameras be viewed remotely via WIFI or LTE ?	It will be as per RDSO specification and scope of work defined in Tender document.
104.		RDSO Clause no 2.6		It shall be possible to transmit the Alarms generated by Video Recorder Unit / Mobile NVR of running trains and prompt to Data Centre / Centralized	Can we have the details of the WIFI AP installed at the stations / depots? Whether they are 802.11n or 801.11Ac and 2x2 mimo or 3x 3 mimo?	Present access point installed at railway stations support 802.11ac.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
				locations on real time basis through the available Wi-Fi and L TE network		
105.		RDSO Clause no 3.4		The Railway Track I Stations / EMU Shed / Stabling Line / Washing Line / Coaching depot may be provided with the high-speed Wi-Fi or L TE network. The Video Recorder Unit/ Mobile NVR shall have capability to automatically transmit the required data (video / face images - [whenever facial recognition software is applicable] / alarms etc.) from the Coaches to the Data Centre I Divisional Control / Cloud on getting connected automatically to available Wi-Fi or LTE network.	Yes , it is possible , but we also need to know what type of APs will be installed at these locations	Present access point installed at railway stations support 802.11ac.
106.		RDSO Clause no 3.5		If "Required Data" is not offloaded instantaneously through available Wifi network and/or L TE network completely at first Station due to short stoppage time or network outage, it is required that timestamps are maintained in order to avoid duplication in transmission of data at next station(s). The timestamps shall be synchronized with GPS/IRNSS	it is possible however we recommend 802.11AC - we can ensure quick transfer of data	At present RailTel has installed 802.11ac access points and RDSO specification allows bidder to provide 802.11b/g/n or ac access points inside the coaches. Bidder is required to offer its solution accordingly.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
107.		RDSO Clause no 3.14		The power available in the Coach for Train lighting is 110V DC / 110V AC (nominal). A Suitable Power Supply Unit conforming to BIS/ EN 50155/ IEC 60571 (For Temperature, Humidity, Vibration) and BIS/UL/EN/IEC/CE/FCC as applicable for Safety and EMI/EMC for Rolling Stock application shall be provided by the supplier to operate Video Recorder Unit / Mobile NVR, Wifi Access Point and Managed PoE Ethernet Switch.	Can we have our devices run directly on 110V DC - train supply voltage ?	Bidder is required to operate VRU/M-NVR as specified in clause 3.14 of RDSO specification no. RDSO/SPN/TC/106/2022, version 2.1 or latest
108.		RDSO Clause no 4.2		Video recording unit Operating temperature: 0°C to +50°C or as specified by the purchaser	according to EN50155 and IEC 60571 recommended to have operating temperature : +70°C	It will be as per RDSO specification.
109.		RDSO Clause no 4.3		Managed PoE Ethernet Switch Operating temperature: 0°C to +50°C or as specified by the purchaser	according to EN50155 and IEC 60571 recommended to have operating temperature : +70°C	It will be as per RDSO specification.
110.		RDSO Clause no 4.4		Wireless access point (a) Operating temperature: 0°C to +50°C or as specified by the purchaser (b) WIFI network IEEE 802.11 b/Q/n or 802.11 ac	(a) according to EN50155 and IEC 60571 recommended to have operating temperature : +70°C (b) it is recommended to have 802.11 AC 3X3 MIMO for better bandwidth	It will be as per RDSO specification.
111.			Bidders are allowed to quote maximum upto three OEMs each for Camera, VRU/M-NVR, VMS Software, FRS Software, Server for VMS and Database & Matching Server	Bidder has to offer only single make and model against each SOR Item other than Cameras. Offers without particulars of Make & Model or multiple OEMs of same item are liable	After 5 years and maybe 5 rounds of tenders, RailTel finally was successful in placing orders for VSS at stations. Then why does RailTel wish to change this successful formula?	RailTel has introduced clauses related to change in OEM to facilitate better participation of domestic bidders and domestic manufacturers.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
			for FRS, along with original bid giving documents of each OEM (as mentioned in Clause 4.A.14 of Tender). Bidders will be allowed to change OEMs for above mentioned products from three quoted OEMs only as per conditions mentioned below. For other supply items, Bidders shall quote only one OEM. However, during implementation stage, bidder shall be allowed to supply SOR quantity for each item in each package from only one OEM as approved during POC. OEMs can be changed under following conditions –	to REJECTED.	Quoting 3 different OEM removes the sanctity of the bid submission date as OEM would keep negotiating with OEM rather than concentrate on genuine bid submission, execution, etc. This clause must be as per tender of VSS at Stations ONLY. Bidder has to quote a solution and not just line items. Changing a line item could disrupt the entire solution.	
112.			Qualification Criteria for POC	1. Qualification Criteria for POC Documents to be submitted and reviewed before start of POC. i. EN50155/EN60571 for both Camera and VRU/m-NVR ii. Physically validation of equipment compared to the datasheet submitted	Minimum documentation needs to be checked at the POC stage itself to ensure that NO OEM gets POC done for equipment which is not approved for rolling stock application. This is the most important and minimum criteria to be checked. OEM may think of getting POC cleared and after that apply for EN50155/EN60571 rolling stock application approval which makes their declaration of compliance illegal. Therefore to avoid such scenarios this minimum but most critical compliance must be	Please refer to Clause-8 of form no. 4(Chapter-6) of Tender, which ensures that in case Bidder/OEM submit false/forged/incorrect certificate with bid, it will lead to termination of contract along with forfeiture of SD and PBG along with banning for five years. This clause will act as a deterrent for bidders and OEMs against submission of false certificates. Please see Point no. 23 of corrigendum-1.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
					checked. For example, an OEM is capable of simply saying that the box presented as VRU/m-NVR is the same as offered in the bid. However, RailTel must ensure that this device (Camera and VRU/m-NVR) is for rolling stock application and checked its basic features, appearance, certification etc.	
113.			Table-1: Minimum Hardware/Software to be offered for POC Sr.8: Storage (minimum 1 TB : required for demonstration) (for Data Centre)	Storage of 1TB capacity to be provisioned internally in Servers for POC.	Just for 1TB the external Storage may be avoided and as it is as per RDSO SPN/TC/65/2021 Version 6.0 Specification	Please refer to Table no. 1 of Annexure-III (Chapter-6) for POC, where requirement of only 1TB (minimum) storage is mentioned. It is further clarified that Bidders are allowed to use this storage either as internal or external during POC as specified in RDSO specifications for CCTV and for VSS at Stations.
114.			6.2.1 Part-B (FRS) (ii) Matching response is available on web-based application On two PC Workstations	To be deleted	The client PC should be loaded with FRS client application for proper functionality for POC. The web based interface as an additional feature can be provided in before RDSO inspection.	Not agreed. It will be as per para 4.7.10 of RDSO specification version 2.1 or latest.
115.			6.2.1 Part-B (FRS) (ix) Automated as well as Manual Data Backup and Archiving Functionality should be an integral part of the Hardware/Software Solution.	Manual Data Backup and Archiving Functionality should be an integral part of the Hardware/Software Solution.	At the time of POC, the manual data backup and archiving functionality should be demonstrated and automated and manual data backup function should be provided and demonstrated during RDSO specification / project delivery.	Not agreed. It will be as per para 4.7.10 of RDSO specification version 2.1 or latest.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
116.			6.2.1 Part-B (FRS) Software has mechanism to accept & process, on real time basis, to add a new image of Criminal from a. Coach b. Central Location	6.2.1 Part-B (FRS) Software has mechanism to accept & process, on real time basis, to add a new image of Criminal from a. Central Location	It is contradicting to the overall functional/operational parameters. The VRU/m-NVR in coach will have only Face Cropping tool and the alerts will be generated only in Central Server. There are no FRS client applications available in Coach.	Not agreed. It will be as per para 4.7.11 of RDSO specification version 2.1 or latest.
117.			3.B.5 The Alarm from each Coaches should go to the nearest RPF Thana/Post, Divisional headquarter, Zonal headquarter or any other location as specified by RailTel.	3.B.5 The Alarms received/generated at DC/DR should go to the nearest RPF Thana/Post, Divisional headquarter, Zonal headquarter or any other location as specified by RailTel.	The Alarms whether generated from Coach (Tampering) or Central Server (FRS) are managed and processed at Central Servers.	The Alarms from each Coaches should go to the nearest RPF Thana/Post, Divisional headquarter, Zonal headquarter or any other location as specified by RailTel via DC & DR only.
118.	Chapter-4-A, (Section-I)	Clause 4.A.14.2	Point-2 – Eligibility Criteria Requirements for OEM's	Video Recorder Unit (VRU) /Mobile -Network Video Recorder (including FRS software) Request to change this to: Video Recorder Unit (VRU) / Mobile -Network Video Recorder (including FRS software)	The clause is restrictive for majority of OEM(s) who complied with RDSO 2.1 because such large scale implementation of Mobile Network Video Recorder is very rare in India. Hence, it is requested to consider Network Video Recorder instead of Mobile devices. Network video Recorders are more rich in configuration compared to Mobile Network Video Recorder. Also, this will open fare and healthy competition for OEM evaluation.	Experience of NVR/M-NVR of same series/family of offered mobile NVR will be considered. Please see Point-4 of Corrigendum-I
119.	Chapter-4-A, (Section-I)	4.A.14.2 Eligibility Criteria Requirements for OEM's:	Suggestion	Prior Experience asked in the tender are as per Global Tender guideline, since it is a domestic tender therefore OEM eligibility asked should also be domestic. OEM Global	Individual Packages values are below 200 Cr respectively, to promote domestic manufacturer in domestic bidding process only domestic eligibility should be allowed. Hence, it is requested to	Please refer Clause 4.A.45 of Tender, which allows participation of only those Bidders, who are offering more than 20% local content as prescribed under PPP-MII 2017 order.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
				eligibility should not be allowed as per DPIIT order on public procurement.	consider the suggestion.	
120.		Annexure-III - Functional Requirement for Bidders during Proof of Concept (POC)		Note: Only physical checks and Functional requirements will be done during POC. Required Certificates as per RDSO specifications are required at the time of Factory Acceptance Test (FAT) by RDSO as per clause 3.D.3 of Chapter-3D of Tender document.	If hardware certificates are not offered as per RDSO along with BID Document and POC then it may lead to qualification of Non-Compliant OEMs as well during POC. Vibration resistant camera required special chipset and component need to manufactured as per global guideline. So we request you to change in tender clause that Required hardware Certificates should be shared with POC. Also the bidder has to share the RDSO Compliance on OEM letter Head along with all the third party certificates Like BIS/EN50155/ IEC60571 for Temperature, Humidity and Vibration, BIS/EN/UL/IEC/IS/CE/FCC for EMI/EMC and ONVIF Profile S as per RDSO Specs. Further it should made mandatory that Certificates should be available before bidding date.	Please refer Clause XVI, Note under SOR, Chapter-2 of Tender document.
121.		4.A.14.2 Eligibility Criteria Requirements for OEM's:			There is no mention of Technical compliance of CCTV Camera OEM as per RDSO as per OEM Tender clause of "Eligibility Criteria Requirements". These clause may qualify any an OEM without RDSO	Compliance to RDSO specification by OEMs added as point no. G of Form no. 7 of Chapter-6. Please see Point-23 of Corrigendum-1.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
					compliance and its Certificate. Henceforth along with all the clauses mentioned in Edibility Criteria, OEM should also declare compliance on Letter Head with GM level Signature as per RDSO Camera Compliance Sheet. Also OEM has to provide all the certificates as per RDSO Specs along with bid document as mention in RDSO.	
122.		4.A.14.2.1 Change in OEM –		After issue of LOA - In case of failure in arranging interoperability Certificate or Security Verification certificate for offered Hardware/Software or delay in supply of offered Hardware/Software at the time of supply (to be certified by the concerned OEM of offered hardware/software), bidder will arrange alternate Hardware/ Software as per RDSO specification no. RDSO/SPN/TC/106/2022 version 2.1 or latest without any additional cost to RailTel. However, for alternate Hardware/ Software, bidder shall match either Part-A or Part-B or both of the successful POC solutions from his quoted OEMs, as applicable {defined above in (b)} and OEM of alternate Hardware & Software	As per Change of OEM clause after issue of LOA bidder can change OEM after winning the tender. With this clause applicable, bidder after winning the tender can change the OEM post POC and Technical evaluation. There have been many instances where bidder try to sell the project after winning it. That is, once they have won the tender, they try earn more margin and also it may leads to supply of non Compliant (Without RDSO Compliance and Certificates) product which cannot be monitored once order is awarded. Further project are delayed for changing OEMs. This clause may further cause OEM lobbying and unwarranted influence to Indian Railways. We request to remove the clause of "change of OEM after issue of LOA" . The award letter should be with approved OEM and Model Nos only.	After issue of LOA, change in OEM is allowed under following three conditions only: 1. Failure in arranging Interoperability certificate. 2. Failure in arranging security verification certificate. 3. Delay in Supply (to be certified by concerned OEM) Further, it has been specified in the same clause that the alternate Hardware/Software offered by the bidder shall be as per RDSO specification and same will be inspected by RDSO as per Note-XVII under SOR, Chapter-2 of Tender. Apart from above mentioned conditions, change in OEM will not be permitted and in case there is a delay on part of System Integrator in project execution, penalty will be

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
				shall meet eligibility criteria mentioned in Clause no. 4.A.14 for the concerned package. If OEM of alternate Hardware/ Software has offered lower rates in other packages of this Tender, than such lower rates will also be applicable on the alternate Hardware and Software. However, bidder will not be allowed to increase the price due to change in OEM.		imposed on him as specified in Clause 4.A.11 of Tender.
123.		4.A.14.2.1 Change in OEM –		b. During Technical Evaluation Stage - Technical and Financial eligibility of Bidders and OEMs of their offered solution will be carried out after completion of POC phase. In case any OEM of offered solution fails to meet any of the prescribed eligibility criteria during technical & financial evaluation of OEM or its offered FRS not accepted by Railways, bidder will be allowed to change its OEM(s) (from quoted OEMs) by matching any one of the offered solutions of other bidders, who have successfully demonstrated all functional parameters during POC, as per details given below: i. For Part-A: only Camera, VRU/M-NVR & VMS Software and	As per MeitY Govt. of India Guideline POC (1.3.6 Scope of Proof of Concept, page 12, clause 2. "2. If the Purchaser needs to test a new technology area, the PoC should be done after the technical shortlist of bidders at the RFP stage and avoided at the EOI stage. This is because every PoC involves cost and therefore should be done after other evaluation steps have been concluded. Moreover, the scope will be clearer at a later stage for the PoC to be more meaningful" https://www.meity.gov.in/writereaddata/files/implementing-services.pdf With this clause and guideline of Govt. POC should be done after	Not agreed. RDSO issued specification of Coaches in March 2018 and since then has issued 2 revisions of these specifications. CCTV system similar to the system proposed in RDSO specifications are in operation and it is not a new technology area. Accordingly, POC has been kept as a part of technical evaluation stage.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
				ii. For Part-B: only FRS Software. Bidder shall match EITHER combination of Camera, VRU/M-NVR & VMS Software OR FRS Software OR both, as applicable from alternate quoted OEMs. For other hardware/software, bidder is required to offer alternate hardware/ software, as per the applicable RDSO specification or tender specifications. In case hardware/Software offered by alternate quoted OEM, for Camera/VRU/MNVR/ VMS Software/FRS Software, has not been successfully tested for other bidders during POC, Bidder will be required to conduct POC of his solution with alternate quoted hardware/software as per clause no. 4.A.47. Note for (a) & (b) - In case of change in OEM(s), it will be the responsibility of the bidder to ensure that the changed OEM(s) is meeting all eligibility conditions prescribed in this Tender document.	Technical Evaluation however Tender ask of POC first. Request you to change tender condition to first technical evaluation first then POC should be conducted.	

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
124.				We request that the value of past supplies will change dramatically as per the selling price; whereas the objective of RailTel would be to procure the lowest cost equipment. Hence, we request that the eligibility criteria for OEMs may kindly be made quantity based rather than sales value based.		Please refer Point-24 of corrigendum-1.
125.			11 i. Image sensor 1/2.8" or larger CMS Progressive scan, CMOS Sensor		Our offered camera model supports 1/2.9" Progressive scan RGB CMOS which is capable enough to meet all the functional requirement and the offered model meets all other technical parameters mention in the specifications, however this tender parameter is restricting us. Hence, we request you to kindly amend the specification to /2.9" or larger CMOS Progressive scan	It will be as per RDSO specification.
126.			12 xvi. MTBF Mean Time Between Failure (MTBF) calculated at 40°C should not be less than 100,000 hours		Even though our offered camera model is capable to operate at -40 °C to 55°C which is higher than the desired specifications, however our offered camera model supports MTBF >100,000 calculated at 25°C, we request you to amend this clause as following for allowing our participation as well: Mean Time Between Failure (MTBF) calculated at 25°C should not be less than 100,000 hours or better	It will be as per RDSO specification.

SN	Chapter No	Tender Clause No.	Point number of Clause, if any	Bidders Query	Justification/Reason given by the Bidder	RailTel Reply
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