

**Correction to Prebid Queries and Responses – Lot 2**  
**CMRL/PHASE-II/SYS/ C3&5 ASA08/2023**  
**18-07-2023**

S. No.	Response No.	Part	Section	Clause	Original Bid Condition	Bidder's Query	Response in Prebid Queries and Responses – Lot 2, dated 17-07-2023	Corrected Response
1	2	Part-1	Section -I	ITB 21.7	The Bid Security of a JV shall be in the name of the JV that submits the Bid. If the JV has not been legally constituted into a legally enforceable JV at the time of bidding, the Bid Security shall be in the names of all future members as named in the letter of intent referred to in ITB 4.1 and ITB 11.2.	Request to amend as " If the Joint Venture has not been legally constituted at the time of bidding, the bid security shall be in the name of any or all of the Joint Venture partners". Since same has been approved in the earlier published tender from CMRL for Telecommunication Systems.	Please refer revised bid condition in <b>Addendum-2</b> .	Please refer revised bid condition in <b>Addendum-3</b> .
2	20	Part-2	Section VI-B	4.1.2.6	Video recording system shall provide primary recording at each respective stations/Depot and Mirror (Secondary recording) for stations/Depot of any particular FOTS ring shall be combinedly done at any one location of respective Network ring. Compatible hardware for recording shall be supplied by the ASA-08 contractor duly complying the Interface requirements from OCC/BCC Contractor. Primary recording shall be done for 15 days at full resolution of the Camera with 20 FPS and secondary recording for 90 days at a resolution of 1920 x 1080 with 20 FPS. Secondary recording infrastructure may use modern Virtualization technologies to optimize the Hardware. In addition, Contractor shall provide additional storage space required to store 100 Camera footages for 90 days in the secondary recording device to keep the Archive /backup of important events.	The mentioned two clauses are contradictory to each other. Kindly confirm the scope of Recording Server & storage hardware will be in ASA-08 or it will be provided by other designated contractor. If ASA-08 contractor need to consider the Recording Server & storage hardware in their scope, hardware configuration will be required from the ASA-06 contractor as per the ISMS software requirement. Kindly requesting details for the same.	ASA-08 Telecom contractor shall supply primary and secondary recorders for this scope. ASA-08 shall finalize the exact requirements duly meeting the interface requirements as per interface matrix 13.21 and scope of allocation matrix. VMS shall be provided by ASA-06 contractor. Please refer <b>Addendum-2</b> for clause 4.1.5.1.8. Also refer 4.1.2.7, 4.1.3.2.1(17) and 4.1.5.1.3 in Addendum-1	ASA-08 Telecom contractor shall supply primary and secondary recorders for this scope. ASA-08 shall finalize the exact requirements duly meeting the interface requirements as per interface matrix 13.21 and scope of allocation matrix. VMS shall be provided by ASA-06 contractor. Please refer <b>Addendum-3</b> for clause 4.1.5.1.8. Also refer 4.1.2.7, 4.1.3.2.1(17) and 4.1.5.1.3 in Addendum-1
3	21	Part-2	Section VI-B	4.1.2.6	Video recording system shall provide primary recording at each respective stations/Depot and Mirror (Secondary recording) for stations/Depot of any particular FOTS ring shall be combinedly done at any one location of respective FOTS Network ring	The mentioned two clauses specify different recording topology for CCTV system  Kindly confirm if recording is to be done at Four place i.e. stations/depot, OCC, BCC & at any location of respective FOTS network ring.	ASA-08 Telecom contractor shall supply primary and secondary recorders for this scope. ASA-08 shall finalize the exact requirements duly meeting the interface requirements as per interface matrix 13.21 and scope of allocation matrix. VMS shall be provided by ASA-06 contractor. Please refer <b>addendum-2</b> for clause 4.1.5.1.8. Also refer clause 4.1.2.7,4.1.3.2.1(17) and 4.1.5.1.3 in Addendum-1 for details.	ASA-08 Telecom contractor shall supply primary and secondary recorders for this scope. ASA-08 shall finalize the exact requirements duly meeting the interface requirements as per interface matrix 13.21 and scope of allocation matrix. VMS shall be provided by ASA-06 contractor. Please refer <b>addendum-3</b> for clause 4.1.5.1.8. Also refer clause 4.1.2.7,4.1.3.2.1(17) and 4.1.5.1.3 in Addendum-1 for details.
4	25	Part-2	Section VI-B	4.1.3.2.1 (4)	Fixed box type color IP, IR cameras with varifocal lens complete with housing and mount. for station entry, parking, ramp, and PF ends, cross passages, point zone and depot and RSS outdoor installations	Kindly confirm if we can propose Bullet cameras in these locations which comes with inbuilt IR, motorized varifocal lens, weatherproof & vandal resistant body.	Please refer revised bid condition in <b>Addendum-2</b> .	Please refer revised bid condition in <b>Addendum-3</b> .
5	27	Part-2	Section VI-B	4.1.5.1.11	Some of the cameras in depot, RSS, parking's specifically identified theft prone areas etc. are required to be installed outdoor i.e. outside the building with no covering shed. For all outdoor installation a proper rust and weather proof mounting arrangement complying with IP 65 or better along with wiper arrangement shall be provided for housing these cameras including junction box and any other accessories / equipment required shall also be provided as part of this contract.	Wiper requirement is not given in the cameras specifications. Kindly confirm if all the outdoor cameras need to be provided with wiper arrangement. If wiper arrangement need to be provided, water supply need to be provided by client near each camera for spraying water on the camera lens & clean it using wipe. Kindly confirm the same.	Please refer <b>addendum-2</b>	Please refer <b>addendum 3</b> .
6	29	Part-2	Section VI-B	4.1.5.1.8	Network Video Recording system shall provide local recording at OCC itself and mirrored recording (at any location of respective FOTS network ring) for all CMRL Corridor 3&5 stations.	The mentioned two clauses specify different recording topology for CCTV system Kindly confirm if recording is to be done at Four place i.e. stations/depot, OCC, BCC & at any location of respective FOTS network ring.	Please refer <b>addendum 2</b> .	Please refer <b>addendum 3</b> .

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7	30	Part-2	Section VI-B	4.1.6.4	Operation of help point facilities shall automatically initiate CCTV Coverage with pop up alarm of the associated area	CCTV interface with telephone system is not required as per the interface matrix given in Chapter-12. Kindly update the interface matrix if CCTV needs to be interfaced with Telephone. Also confirm if it will be hardwired integration or software level integration.	Please refer <b>addendum-2</b> for revised clause 12.1 Subsystem Interface. Bidder can propose suitable solution for Telephone and CCTV integration based on other interfaces. Contractor shall interface with ASA-06 Contractor for suitable integration of Telephone and CCTV.	Please refer <b>addendum-3</b> for revised clause 12.1 Subsystem Interface. Bidder can propose suitable solution for Telephone and CCTV integration based on other interfaces. Contractor shall interface with ASA-06 Contractor for suitable integration of Telephone and CCTV.																																										
8	31	Part-2	Section VI-B	4.1.6.5	In event of Fire, trigger from Fire Alarm shall automatically initiate CCTV Coverage of the associated area and pop-up alarm shall be available in CCTV MMI.	CCTV interface with telephone system is not required as per the interface matrix given in Chapter-12. Kindly update the interface matrix if CCTV needs to be interfaced with Fire alarm. Also confirm if it will be hardwired integration or software level integration.	Please refer <b>addendum-2</b> for revised clause 12.1 Subsystem Interface. Bidder can propose suitable solution for Telephone and CCTV integration based on other interfaces. Contractor shall interface with ASA-06 Contractor for suitable integration of Telephone and CCTV. Bidder shall interface with MEP contractor for the Fire alarm interface as per the interface requirements. Please refer Interface between MEP and Telecom Contractor in 13.14, MEP-COMM-7.	Please refer <b>addendum-3</b> for revised clause 12.1 Subsystem Interface. Bidder can propose suitable solution for Telephone and CCTV integration based on other interfaces. Contractor shall interface with ASA-06 Contractor for suitable integration of Telephone and CCTV. Bidder shall interface with MEP contractor for the Fire alarm interface as per the interface requirements. Please refer Interface between MEP and Telecom Contractor in 13.14, MEP-COMM-7.																																										
9	35	Part-2	Section VI-B	4.2.3	Varifocal Lenses <table border="1"> <caption>Table 4.2</caption> <thead> <tr> <th>SN</th> <th>Parameter</th> <th>Specification</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Focal length</td> <td>9 mm – 40 mm</td> </tr> <tr> <td>2</td> <td>Iris range</td> <td>F 1.5 to F 8</td> </tr> <tr> <td>3</td> <td>Format</td> <td>1/3 " or better, Full HD, 3 MP, IR corrected.</td> </tr> <tr> <td>4</td> <td>Lens mount</td> <td>C / C S - mount</td> </tr> <tr> <td>5</td> <td>Angle view wide (1/3")</td> <td>30° x 22° or better</td> </tr> <tr> <td>6</td> <td>Angle view tele (1/3")</td> <td>7.1° x 5.3° or better</td> </tr> <tr> <td>7</td> <td>Iris Control</td> <td>Auto / D C control</td> </tr> <tr> <td>8</td> <td>focus Control</td> <td>Auto focus</td> </tr> <tr> <td>9</td> <td>Zoom Control</td> <td>Motorized</td> </tr> <tr> <td>10</td> <td>Operating Temperature</td> <td>0°C to +50°C</td> </tr> <tr> <td>11</td> <td>Storage Temperature</td> <td>0°C to +70°C</td> </tr> <tr> <td>12</td> <td>Operating Humidity with camera and housing</td> <td>Up to 90%, non-condensing</td> </tr> <tr> <td>13</td> <td>Approval (Safety &amp; EMC Immunity, Emission)</td> <td>CE or equivalent.</td> </tr> </tbody> </table>	SN	Parameter	Specification	1	Focal length	9 mm – 40 mm	2	Iris range	F 1.5 to F 8	3	Format	1/3 " or better, Full HD, 3 MP, IR corrected.	4	Lens mount	C / C S - mount	5	Angle view wide (1/3")	30° x 22° or better	6	Angle view tele (1/3")	7.1° x 5.3° or better	7	Iris Control	Auto / D C control	8	focus Control	Auto focus	9	Zoom Control	Motorized	10	Operating Temperature	0°C to +50°C	11	Storage Temperature	0°C to +70°C	12	Operating Humidity with camera and housing	Up to 90%, non-condensing	13	Approval (Safety & EMC Immunity, Emission)	CE or equivalent.	Kindly approve Bullet cameras with inbuilt varifocal motorized lens. The camera will have better focal length of 5-50mm. Iris range will be F1.9.  C/CS mount lens for box cameras does not support motorized zoom.	Please refer <b>addendum 2</b>	Please refer <b>addendum 3</b>
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10	36	Part-2	Section VI-B	4.2.3 Varifocal Lenses	Lens mount: C / CS - mount focus Control: Auto focus Zoom Control: Motorized	The specifications asked is of Box Camera with C/CS Mount lens C/CS Mount Lens with motorized and auto focus is technically not feasible so we request you to kindly remove C/CS Mount from lens specification so that Auto focus motorized lens can be given with M12 mount or equivalent which is available with all the OEMs or make it with C/CS Mount with manual focus and zoom. Request to amend: If C/CS Mount then focus Control-Manual Zoom Control - Manual OR If M12 Mount or equivalent then Focus Control: Auto focus Zoom Control: Motorized <b>Request to amend:</b> If C/CS Mount then focus Control-Manual Zoom Control - Manual OR If M12 Mount or equivalent then Focus Control: Auto focus Zoom Control: Motorized	Please refer <b>addendum 2</b>	Please refer <b>addendum 3</b>																								
11	37	Part-2	Section VI-B	4.2.4	Housing Arrangement for Fixed IP Box type camera <table border="1"> <caption>Table 4.3</caption> <thead> <tr> <th>SN</th> <th>Item / Asset</th> <th>Specification</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Window</td> <td>3 mm (0.12 inch) glass</td> </tr> <tr> <td>2.</td> <td>Camera Mounting</td> <td>Removable camera/lens tray, mounted with minimum two screws.</td> </tr> <tr> <td>3.</td> <td>Cable Entry</td> <td>Internal cable management</td> </tr> <tr> <td>4.</td> <td>Construction</td> <td>Aluminum housing &amp; casing, neoprene gaskets, UV – resistant polymer end caps. All anchor- fasteners, nuts, washers shall be of stainless steel material</td> </tr> <tr> <td>5.</td> <td>Tamper resistance</td> <td>– Tamper - resistant screws for locking clasps</td> </tr> <tr> <td>6.</td> <td>Enclosure Protection</td> <td>IP66 / NEMA - 4x or better</td> </tr> <tr> <td>7.</td> <td>Approvals (Safety)</td> <td>CE,FCC and UL/BIS Certified standards for Safety, EMC &amp; Immunity</td> </tr> </tbody> </table>	SN	Item / Asset	Specification	1.	Window	3 mm (0.12 inch) glass	2.	Camera Mounting	Removable camera/lens tray, mounted with minimum two screws.	3.	Cable Entry	Internal cable management	4.	Construction	Aluminum housing & casing, neoprene gaskets, UV – resistant polymer end caps. All anchor- fasteners, nuts, washers shall be of stainless steel material	5.	Tamper resistance	– Tamper - resistant screws for locking clasps	6.	Enclosure Protection	IP66 / NEMA - 4x or better	7.	Approvals (Safety)	CE,FCC and UL/BIS Certified standards for Safety, EMC & Immunity	Since Bullet cameras comes with inbuilt enclosure, removable camera/lens tray, UV resistant end caps, anchor fasteners, nuts, washers of SS will not be applicable. Kindly provide approval accordingly.	Please refer <b>addendum 2</b>	Please refer <b>addendum 3</b>
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12	38	Part-2	Section VI-B	4.2.4	Housing Arrangement for Fixed IP Box type camera:	Since Housing is not electrical item so BIS is not required for Housing and BIS is already asked for the Box Camera so request you to kindly remove the same. <b>Request to amend:</b> Approvals (Safety):CE,FCC	Please refer <b>addendum 2</b>	Please refer <b>addendum 3</b>																								

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13	40	Part-2	Section VI-B	4.2.6	High-Definition IP Fixed Box Camera (IR Camera)	Kindly approve IP Bullet camera with inbuilt housing, IR & lens. Bullet cameras will be better compared to Box cameras as it come as a single unit & has motorized focus & zoom adjustment.	Please refer <b>addendum 2</b>	Please refer <b>addendum 3</b>
14	46	Part-2	Section VI-B	4.2.6.3	High Speed, High-Definition IP PTZ Dome Camera (IR Camera)	IP66 electrical enclosures are equivalent to NEMA 4 enclosures, so request you kindly accept either IP66 or NEMA. <b>Request to amend:</b> Housing Arrangement: IP 66/ NEMA 4 or better	Please refer <b>addendum 2</b>	Please refer <b>addendum 3</b>