

Addendum-03
CMRL/PHASE-II/SYS/ C3&5 ASA08/2023
17-07-2023

SN	Part	Section	Clause	Original Bidcondition	Revised bidcondition
1.	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.	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 name of any or all of the Joint Venture partners as named in the letter of intent referred to in ITB 4.1 and ITB 11.2.
2.	Part-2	Section -VIB	4.1.3.2.1	(4) Fixed box type colour 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.	(4) Fixed box type colour IP, IR cameras with varifocal lens complete with housing and mount or Fixed Bullet Cameras with equivalent parameters as per Table 4.2 (updated in Addendum-2) of Clause 4.2.3.1 for ramp, and PF ends, cross passages, point zone and RSS outdoor installations. Actual type and quantity to be decided during design stage.
3.	Part-2	Section -VIB	4.2.2.1.2	Fixed box type IP color cameras with varifocal lens shall generally be used in concourse areas, platform, ticketing areas, AFC gates etc. In concourse, some fixed cameras shall be of dome type and having fixed in the ceiling to match the station aesthetics.	Camera type for indoor locations to be provided as per 6.1.2.3 (a). Actual type and quantity to be decided during design stage
4.	Part-2	Section -VIB	4.2.3.1	Table 4.2 4. Lens mount: C / C S - mount	Table 4.2 4. Lens Mount – Suitable mount
5.	Part-2	Section -VIB	4.2.6.3	High Speed, High Definition IP PTZ Dome Camera (IR Camera) Table 4.7 Q.Housing Arrangement-IP 66, NEMA 4 or better	High Speed, High Definition IP PTZ Dome Camera (IR Camera) Table 4.7 (Q) Housing Arrangement : IP 66 or NEMA 4 or better
6.	Part-2	Section -VIB	4.2.6.3	High Speed, High Definition IP PTZ Dome Camera (IR Camera) Table 4.7 (DD) Approval (Safety & EMC Immunity, Emission) - CE,FCC,UL / BIS certified. Apart from the data sheets, copy of Certificates to be submitted as part of the bid	High Speed, High Definition IP PTZ Dome Camera (IR Camera) Table 4.7 (DD) Approval (Safety & EMC Immunity, Emission) - CE, FCC or equivalent certified. Apart from the data sheets, copy of Certificates to be submitted as part of the bid
7.	Part-2	Section -VIB	4.1.5.1.8	System shall use video signals from various types of indoor / outdoor IP cameras installed at different locations, process them for viewing on workstations / monitors simultaneously at Central Control Room (OCC & BCC) and local control rooms (SCR and at Station Security room) at each station. 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. Mouse-keyboard controllers shall be used for Pan, Tilt, Zoom and other functions of desired PTZ cameras. The configuration of the cameras, monitors / workstations shall be provided from the OCC, BCC and any other locations simultaneously.	System shall use video signals from various types of indoor / outdoor IP cameras installed at different locations, process them for viewing on workstations / monitors simultaneously at Central Control Room (OCC & BCC) and local control rooms (SCR and at Station Security room) at each station. Network Video Recording system shall provide local recording at each respective stations/Depot and mirrored recording (at any location of respective FOTS Network ring) for all CMRL Corridor 3,4&5 stations. Mouse-Key-board controllers shall be used for Pan, Tilt, Zoom and other functions of desired PTZ cameras. The configuration of the cameras, monitors / workstations shall be provided from the OCC, BCC and any other locations simultaneously.
8.	Part-2	Section -VIB	4.1.5.1.11	The video signal output of all the cameras in various locations at the Depot shall be fed to the TER at Depot and through FOTS network distribute these video signals to the following: <ul style="list-style-type: none"> • Network video Recorder at OCC & BCC • The OCC / BCC • MMI at depot controller, security controller • Any other location to be decided by the Engineer at the time of detailed design The CCTV system shall have control equipments located in the TER at all stations	The video signal output of all the cameras in various locations at the Depot shall be fed to the TER at Depot and through FOTS network distribute these video signals to the following: <ul style="list-style-type: none"> • Network video Recorder at OCC & BCC • The OCC / BCC • MMI at depot controller, security controller • Any other location to be decided by the Engineer at the time of detailed design The CCTV system shall have control equipments located in the TER at all stations and

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9.	Part-2	Section -VIB	12.1 Subsystem Interfaces	<p>Subsystem Interfaces</p> <p>Contractor shall submit Interface Management Plan for Employer review. Tentative Interfaces between the Communication System and sub-systems, which are anticipated, are listed in the following table:</p> <table border="1"> <thead> <tr> <th>System Telecom</th> <th>FOTS</th> <th>PAS</th> <th>PIDS</th> <th>CCTV</th> <th>Radio</th> <th>Telephone</th> <th>MCS</th> <th>Access Control</th> <th>CDRS</th> <th>T-SCADA</th> </tr> </thead> <tbody> <tr> <td>FOTS</td> <td></td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> </tr> <tr> <td>OA&IT</td> <td>√</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>√</td> <td></td> <td></td> <td>√</td> </tr> <tr> <td>PAS</td> <td>√</td> <td></td> <td>√</td> <td></td> <td>√</td> <td>√</td> <td>√</td> <td></td> <td>√</td> <td>√</td> </tr> <tr> <td>PIDS</td> <td>√</td> <td>√</td> <td></td> <td></td> <td></td> <td></td> <td>√</td> <td></td> <td></td> <td>√</td> </tr> <tr> <td>CCTV</td> <td>√</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>√</td> <td>√</td> <td></td> <td>√</td> </tr> <tr> <td>Radio</td> <td>√</td> <td>√</td> <td></td> <td></td> <td></td> <td>√</td> <td>√</td> <td></td> <td>√</td> <td>√</td> </tr> <tr> <td>Telephone</td> <td>√</td> <td>√</td> <td></td> <td></td> <td>√</td> <td></td> <td>√</td> <td></td> <td>√</td> <td>√</td> </tr> <tr> <td>MCS</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> </tr> <tr> <td>Access Control</td> <td>√</td> <td></td> <td></td> <td>√</td> <td></td> <td></td> <td>√</td> <td></td> <td></td> <td>√</td> </tr> <tr> <td>CDRS</td> <td>√</td> <td>√</td> <td></td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td></td> <td>√</td> <td>√</td> </tr> <tr> <td>T-SCADA</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> </tr> </tbody> </table>	System Telecom	FOTS	PAS	PIDS	CCTV	Radio	Telephone	MCS	Access Control	CDRS	T-SCADA	FOTS		√	√	√	√	√	√	√	√	√	OA&IT	√						√			√	PAS	√		√		√	√	√		√	√	PIDS	√	√					√			√	CCTV	√						√	√		√	Radio	√	√				√	√		√	√	Telephone	√	√			√		√		√	√	MCS	√	√	√	√	√	√	√	√	√	√	Access Control	√			√			√			√	CDRS	√	√		√	√	√	√		√	√	T-SCADA	√	√	√	√	√	√	√	√	√	√	<p>Subsystem Interfaces</p> <p>Contractor shall submit Interface Management Plan for Employer review. Tentative Interfaces between the Communication System and sub-systems, which are anticipated, are listed in the following table:</p> <table border="1"> <thead> <tr> <th>System - Telecom</th> <th>FOTS</th> <th>PAS</th> <th>PIDS</th> <th>CCTV</th> <th>Radio</th> <th>Telephone</th> <th>MCS</th> <th>Access Control</th> <th>CDRS</th> <th>T-SCADA</th> </tr> </thead> <tbody> <tr> <td>FOTS</td> <td></td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> </tr> <tr> <td>OA&IT</td> <td>√</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>√</td> <td></td> <td></td> <td>√</td> </tr> <tr> <td>PAS</td> <td>√</td> <td></td> <td>√</td> <td></td> <td>√</td> <td>√</td> <td>√</td> <td></td> <td>√</td> <td>√</td> </tr> <tr> <td>PIDS</td> <td>√</td> <td>√</td> <td></td> <td></td> <td></td> <td></td> <td>√</td> <td></td> <td></td> <td>√</td> </tr> <tr> <td>CCTV</td> <td>√</td> <td></td> <td></td> <td></td> <td></td> <td>√</td> <td>√</td> <td></td> <td></td> <td>√</td> </tr> <tr> <td>Radio</td> <td>√</td> <td>√</td> <td></td> <td></td> <td></td> <td>√</td> <td>√</td> <td></td> <td>√</td> <td>√</td> </tr> <tr> <td>Telephone</td> <td>√</td> <td>√</td> <td></td> <td>√</td> <td>√</td> <td></td> <td>√</td> <td></td> <td>√</td> <td>√</td> </tr> <tr> <td>MCS</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> </tr> <tr> <td>ACIDS</td> <td>√</td> <td></td> <td></td> <td>√</td> <td></td> <td></td> <td>√</td> <td></td> <td></td> <td>√</td> </tr> <tr> <td>CDRS</td> <td>√</td> <td>√</td> <td></td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td></td> <td>√</td> <td>√</td> </tr> <tr> <td>T-SCADA</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> <td>√</td> </tr> </tbody> </table>	System - Telecom	FOTS	PAS	PIDS	CCTV	Radio	Telephone	MCS	Access Control	CDRS	T-SCADA	FOTS		√	√	√	√	√	√	√	√	√	OA&IT	√						√			√	PAS	√		√		√	√	√		√	√	PIDS	√	√					√			√	CCTV	√					√	√			√	Radio	√	√				√	√		√	√	Telephone	√	√		√	√		√		√	√	MCS	√	√	√	√	√	√	√	√	√	√	ACIDS	√			√			√			√	CDRS	√	√		√	√	√	√		√	√	T-SCADA	√	√	√	√	√	√	√	√	√	√
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10.	Part-3	Section -VIII	Particular Conditions (Part B :Specific Provisions)	Additional Clause:	<p>PCC No.:67, GCC Clause No.: 1.1.4.14</p> <p>“Bank Guarantee” means in the form of ‘eBG’ (Electronic Bank Guarantee) which shall be the only form that is accepted.</p>																																																																																																																																																																																																																																																																								