				Addendum- 02 CMRL / PHASE – II / SYS / ASA07 / 2021 03-03-2022		
SN	Part	Section	Clause	Original Bid condition	Revised	
1	Part – 2	Section VI A Employer's Requirements- Appendices	Appendix-10 Site Accommodation for The Engineer	NA	Not used	
2	Part – 2	Section – VI B Particular Specification	Clause No: 2.3.6 Page No: 318	The Contractor shall provide facilities and resources necessary for the Engineer and the Employer in the site office as per GS Appendix 10.	The Contractor shall provide one lockable room (minimum The room shall be equipped with air conditioning, furnitures	
3	Part – 2	Section VI A Employer's Requirements- Appendices	APPENDIX-1 DRAWING LIST	NA	Refer the Revised Drawings	
4	Part – 2	Section – VI B Particular Specification	Clause No: 2.1.2.7.a) Page No: 314	The Contractor shall co-ordinate with Civil Works Project Contractors in order to provide comments or recommendation on station and depot building materials, finishes, architectural layouts, installation requirements for antenna supports, availability of proper cable duct, mounting arrangements for Leaky Co-Axial Cables (LCX) and other cables in the tunnels and elsewhere. This shall, wherever required, also include necessary co-ordination with the civil works contractor for the erection of towers on the roof/over the lift shafts/ at ground level to support the TETRA antennae at the required heights to meet the coverage objectives. Majority of the stations are designed to cater to 12 meter roof top tower (20 + 12 meters above ground level). Based on the coverage study, contractor has to coordinate for final locations.	The Contractor shall co-ordinate with Civil Works Project C station and depot building materials, finishes, architectural I availability of proper cable duct, mounting arrangements for Co-Axial Cables (LCX) and other cables in the tunnels and necessary co-ordination with the civil works contractor for th level to support the TETRA antennae at the required height station entry structures are having a Height of 12 mtr from roof top tower. 12 mtr Station Entry structure height from gra arrangement can attain a height of 32 mtr above ground level	
5	Part – 2	Section – VI B Particular Specification	Clause No: 6.3.2.3. Page No: 364	Development of the Acoustic study for the PAS in stations and Depots.	Not used	
6	Part – 2	Section – VI B Particular Specification	Clause No: 6.16.3 Page No: 373	 The minimum protection required shall be as follows: a) IP 52 for equipment within the Equipment Rooms and Control Rooms; b) IP 54 for internal train borne equipment. c) IP 55 for equipment which is located within covered areas and not exposed to the external environment; d) IP 65 for equipment, which is fully exposed to the elements. e) IP 67 for external train borne equipment 	 6.16.3. The minimum protection required shall be as follows a) IP 52 for all equipment enclosures to be installed in equip equipements, Termination racks, Power supply equipment, IP rating, the contractor shall ensure that the cabinets/enclod dripping from above using suitable means as approved by the b) IP 20 for internal train borne equipment which are housed accessed by the Train Driver/Roving attendant. c) IP 55 for equipment which is located within covered area to the external environment; d) IP 65 for equipment, which is fully exposed to the element e) IP 65 for external train borne equipment 	
7	Part – 2	Section – VI B Particular Specification	Clause No: 16.1.5.22. Page No: 434	The interface shall provide the necessary means to enable OCC to initiate triggering of pre-recorded messages in the on-train public address system. The interface should support dispatching of play list (Multiple messages and announcement schedules) to on-board PA from OCC. The interface design shall allow the OCC to make pre-defined announcements by selecting one or more audio zones available in the train (saloon, exterior etc.).	The interface shall provide the necessary means to enable train public address system. The interface design shall allow one or more audio zones available in the train (saloon, exte Possibility to be examined in the design phase and shall be (Multiple messages and announcement schedules) to on-bo	
8	Part – 2	Section – VI B Particular Specification	Clause No: 3.4.8.4.e.vi Page No: 329	RCW system shall enable the operator to perform scheduling of Prerecorded messages from RCW.	RCW system ,as a Preferred Requirement (Possibility to be feasible), shall enable the operator to perform scheduling of	

d bid condition

m10 Square meter)for the engineer/employer in his site office. es and power supply sockets,

t Contractors in order to provide comments or recommendation on al layouts, installation requirements for antenna supports, for Leaky

nd elsewhere. This shall, wherever required, also include r the erection of towers on the roof/over the lift shafts/ at ground ghts to meet the coverage objectives. Majority of the elevated om ground and the entry structure can accommodate a 20 meter ground level + 20 meters Roof top tower height. Combined level.

ws:

uipment and control rooms which includes active electronic nt, distribution boxes etc. In case if the contractor propose a lower iclosures shall have provision to protect water ingress from water by the engineer.

ed in IP 54 Enclosures. IP 54 for all Tetra radio equipment

eas and not exposed

ents.

le OCC to initiate triggering of pre-recorded messages in the onlow the OCC to make pre-defined announcements by selecting kterior etc.).This interface ,as a Preferred Requirement (be implemented, if feasible), shall support dispatching of play list -board PA from OCC.

be examined in the design phase and shall be implemented, if of Prerecorded messages from RCW.

9 Part – 2	Section – VI A	Clause No: 13.17.10.e	Add the following after 13.17.10.e
	General		14.IS & CYBER Security Technical Requirements
	Specification	Page No: 64	Indicative IS & Cyber security requirements (but not limited to
			Appendix -19 of this GS document.
			Contractor shall comply with given Cyber security requirement
			As a part of Cyber security requirements, Employer/Engineer
			with whom Contractor shall liaise for receiving further guideling
			Contractor shall refer Technical Specification document also
			requirement.

to) for entire CMRL phase II systems and is placed as

nents as applicable to their respective system. eer will appoint/nominate a Concessionaire (CISO & associates) elines and instruction and necessary compliance. so for compliance with other additional Cyber security