

Dedicated Freight Corridor Corporation of India Limited
(A Government of India Enterprise)

**DESIGN AND CONSTRUCTION OF TRAIN PROTECTION & WARNING SYSTEM (TPWS) FOR REWARI – JNPT SECTION
(Combined for Phase 1 and Phase 2) INCLUDING TESTING AND COMMISSIONING ON DESIGN-BUILD LUMP SUM PRICE BASIS
OF WESTERN DEDICATED FREIGHT CORRIDOR**

**TRAIN PROTECTION & WARNING SYSTEM (TPWS) WORKS CONTRACT
(Rewari – Makarpura of Phase 1 and Makarpura - JNPT of Phase 2)**

CONTRACT PACKAGE ST P– 5A

Queries from Bidders

Sl. No.	Vol. No.	Section No.	Page No.	Clause No.	Title	Questions	DFCCIL's Response
1	I part-1	2	49	2.3.2 & 2.3.3	Table 2.3 Form FIN-2 Form FIN-3&4	In this section, there are some discrepancies in the text numbers and figures. Please clarify which is prevailing. (i.e. Fifteen percent (25%), and Thirty percent (40%))	The percentage requirement indicated in words have been corrected in accordance with the percentage indicated in numbers. Refer item No. 10 of Addm-1.

2	I part-1	5	156	8.7	Delay Damages	<p>We understand that the sentence "it is agreed that recovery of Damages under this Sub-Clause shall be without prejudice to the rights of the Employer under this Contract including the right of Termination thereof" in the fourth paragraph of PC Sub-Clause 8.7 has the same meaning as of the second paragraph in the Sub-Clause 8.7 of the General Conditions (GC), i.e. FIDIC First Edition 1999, "These delay damages shall be the only damages due from ...under the Contract".</p> <p>Please clarify if our understanding is correct.</p>	The FIDIC Sub-clause 8.7 has been replaced by PC 8.7. Therefore, FIDIC Sub-clause 8.7 is no longer valid. Accordingly, no clarification wrt FIDIC Sub-clause 8.7 is required.
3	Vol.-1 (1/2)	3	115 of 187	3	Form I-B-7 Outline Quality Plan	<p>Outline Quality Plan, Outline Quality Plan and Outline environmental Plan are already covered in form I-B-1. Kindly delete the same from this form.</p>	<p>The referred Clauses state that these plans are to be submitted as "part of Bid Documents" (which shall be in form I-B-1) and not as part of I-B-7. However, requirements mentioned in I-B-7 must be included in the Plan submitted in I-B-1 and duly referred to in I-B-7.</p>
			116 of 187	4	Outline Quality Plan		
				5	Outline environmental Plan		
4	Vol.-I (1/2)	3	117 of 187	6.2(iv)	Form I-B-7 Installation Plan	<p>Installation plan would be covered in Method statement of I-B-1. We understand that it is not required to include installation method and plan in I-B-7. Please confirm.</p>	<p>The referred Clause states that this plan is to be submitted as "part of Bid Documents" (which shall be in form I-B-1) and not as part of I-B-7. However, requirements mentioned in I-B-7 must be included in the Plan submitted in I-B-1 and duly referred to in I-B-7.</p>

5	Vol.-II	8	1 of 7	Appendix -12 clause 1.1	Temporary Works	<p>We refer to Appendix-12 of volume-II -----</p> <p>Please delete “the engineer and the employer” from third line of clause 1.1 since temporary facilities for the use by engineer and employer is indicated as -NIL- in clause 5.</p>	Refer item No. 8 of Addm-1.
6	Vol.-II	8	2 of 7	Appendix -12 clause 3.1	Temporary Works	<p>We refer to clause 3.1 of Appendix-12 of volume-II wherein it is mentioned that temporary facilities for contractor’s own use would be ready for use within 140 days after commencement date and maintained in good condition until the issue of taking over certificate.</p> <p>-----</p> <p>Please replace “within 140 days after commencement date” with “before commencement of work in the section” because TPWS work wouldn’t start together in all sections of phase-1 and phase-2 within 140 days after commencement date. Therefore we would like to construct temporary storage, site office etc. well before start of TPWS work in individual sections.</p>	Refer item No. 9 of Addm-1.
7	Vol.-I (1/2)	7	175 of 187	1(c)	Form of contractor’s warranty	<p>Please replace the words “the last Section of the Works” as appearing at the end of Sub-clause 1(c) with “each part of the Works” as specified in PC 10.2.</p>	<p>The words “the last Section of the Works” have been replaced with “each part of the Works as specified in ATB 1.1.3.7”. Refer item No. 11 of Addm-1.</p>

8	Vol.-III Vol.-II	9 8	5 94	Annexure -9 Clause- 3.7 16.4.2.2	Spare conductor in cables	Please confirm whether the condition of spare cores would be applicable to the balise cable also. If yes, how many spare cores need to be provided in each data cable where two cores are used cores.	Data cable shall not require spare cores. Refer item No. 7 of Addm-1.
9	Vol.-III	9	12	3.5.1	FRACAS	Please clarify whether independent hardware and software for FRACAS need to be established by P-5A contractor for TPWS. Similar FRACAS would be established by P-5 contractor.	The Clause has been suitably modified to clarify the requirement. Refer item No. 12 of Addm-1.
10	Vol.-III	9	2	1.3.8	Connections to IR and Sidings	We understand that clause 1.3.8 is only for the information of bidder and Providing Block working on IR link lines and sidings is scope of ST P-5 contractor.	Yes.
11	Vol.-III	9	19 of 73	5.3.1 (11)	Infill Balise	It is mentioned in clause 5.3.1 (11) of vol.-III that infill Balise shall be provided for all signals provided with switchable Balise unless specifically approved otherwise for any particular signal. Since any run through movement from loop lines would be at low speed, requirement of infill balise for loop line starters may be omitted for second loop line onward (At the most, providing infill balise for starter signals on first loop line would be usefull).	Run through on all loop lines at 50kmph is permitted. Hence no change is envisaged.

12	Vol.-III	9	-	Annexure 7-2	Physical Interface between RS P-7 & ST P-5A	P-5A contractor needs brake performance of LOCO to design TPWS On-Board System. We request you to include this item in the scope of RS P-7 Contractor to provide brake performance of LOCO to ST P-5A contractor. Similarly, Braking distance for different train compositions need to be provided by DFCCIL. Request you to make suitable amendment.	Item of Braking Interface is already included. In addition, on page 1 of the referred Annexure, it is already stated that “Interfaces shall include but shall not be limited to... ”. Hence no change is envisaged.
13	Vol.-III	9	66 of 73	13.6.3 (2)	Special Tools, Diagnostic equipment and test equipment	It is mentioned in clause 13.6.3 (2) of vol.-III that quantity of each type of Special Tools, Diagnostic equipment and test equipment and those recommended by contractor shall be equal to number of IMDs + Sub Depots increased by 20%. However the number of IMDs are indicated but number of sub depots is not indicated in Bid Document. Please clarify the number of sub depot in Phase 1 as well as in Phase 2.	Updated list of IMDs & Sub Depots as per item No. 6 of Addm-1 may please be used.