

**Dedicated Freight Corridor Corporation of India Limited**

(A Government of India Enterprise)

**Addendum No. 2 Dated 17.11.2014**

**Addendum / Amendments to the Bid Documents for**

**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 AND WARNING SYSTEM WORKS CONTRACT**

**(Rewari – Makarpura of Phase 1 and Makarpura - JNPT of Phase 2)**

Ref.: ICB No. ST P-5A

Sl. No.	Volume	Section/ chapter	Page No.	Clause / Para No.	Item	Addendum / Amendments to the Bid Documents
13.	II	8	9	2.2.1	Abbreviations	(i) Below abbreviation of PS, insert abbreviation "PSS: Power Supply System". (ii) Delete existing abbreviation of UPS.
14.	II	8	26	7.5.5.3 (iii)	Works Programme	Modify the existing Clause as under: (i) In the first line of the Clause, delete words "from RDSO". (ii) In the first line of the Clause, replace word "Signalling" with "TPWS". (iii) At the end of the Clause, add words "from RDSO/ DFCCIL".
15.	II	8	92	16.2.1.1	Materials	Modify the existing Clause as under: In the first line of the Clause, after the words "list of approved vendors", insert the words "and proposed to be procured locally".
16.	II	8	92	16.2.1.2	Materials	Replace the existing Clause with the following: "If any signalling material or equipment proposed to be imported has RDSO Specifications (IRS or SPN), then the concerned manufacturer shall be got approved for supply of this material/ equipment as per Cross Acceptance Procedure of DFCCIL/ RDSO."
17.	II	8	133	26.8 26.8.1	Transfer of technology	Delete the whole Clause 26.8 along with sub-clause 26.8.1.

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18.	III	9	1-13	Annexure 11	DFCCIL's procedure for Cross Acceptance	Insert new Annexure 11 as per Attachment: Addm 2-1 after existing Annexure 10 in Vol. III of Bid Documents.
19.	III	9	1	Annexure 12	Cross acceptance responsibility matrix	Insert new Annexure 12 as per Attachment: Addm 2-2 after newly inserted Annexure 11 in Vol. III of Bid Documents.
20.	III	9	-	Last page of Table of contents	Table of contents	Insert the following below existing contents of Annexure 10: "Annexure 11: DFCCIL's procedure for Cross Acceptance Annexure 12: Cross acceptance responsibility matrix"
21.	III	9	2	1.3.10	Employer's Requirements	Replace the existing Clause with the following: "1.3.10 Cross Acceptance of major imported TPWS Equipment: (a) Manufacturer & provenness details and Cross Acceptance approval (by RDSO/DFCCIL) status of all major imported TPWS equipment shall be submitted in Form I-B-9, Volume I Part ½ of Bid documents. (b) If any such equipment is not yet having Cross Acceptance approval, the Contractor shall get the same done as per RDSO/ DFCCIL's Cross Acceptance Procedure. DFCCIL's Cross Acceptance Procedure is kept as Annexure 11 in Vol. III of Bid Documents. (c) The Contractor shall be responsible for timely action on all items related to Cross Acceptance so that approval is available well in time to achieve Contract Milestone MS-1. Some of these, but not limited to, are as under: (i) Submission of Safety Case & other documents to ISA with copy to the Employer & the Engineer. (ii) Submission of type test plan. (iii) Conduct of type tests. (iv) Submission of type test report. (v) All items related to field trial including Submission of report." (d) Responsibility Matrix for Cross Acceptance Procedure kept as Annexure 12 in Vol. III of Bid Documents shall be followed.
22.	III	9	12	3.4.5	System Assurance	Replace the existing Clause with the following: "The Employer shall employ third party Independent Safety Assessor(s) (ISA) for Safety Assessment of certain imported signalling/ TPWS equipment as per Cross Acceptance Procedure of DFCCIL and also certification of complete signalling

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						system including TPWS as per SIL requirements. The Contractor shall provide necessary documents and assistance to facilitate ISA's work."												
23.	III	9	37	9.5(2)	Sources of equipment supply	Replace the existing Clause with the following: "If any equipment proposed to be imported has RDSO specifications (IRS or SPN) and is not yet having Cross Acceptance approval (by RDSO/ DFCCIL), the concerned firm shall be got approved for the said equipment as per "Cross Acceptance" procedure of RDSO/ DFCCIL before commencement of Integrated Testing on Rewari – Iqbalgarh section."												
24.	III	9	40	9.7.6(1)	Factory Acceptance Tests	Modify the existing Clause as under: In the first line of the Clause, after the words "and equipment", insert the words "procured locally and".												
25.	I Part 1/2	3	118	6.3(vi)	Submissions in I-B-7.	Modify the existing Clause as under: In the first line of the Clause, after the word "RDSO", insert the word "/DFCCIL".												
26.	I Part 1/2	3	125	-	Form I-B-10 As amended vide item No. 475 of Addm-10	(i) In the second line of the 1 <sup>st</sup> para of the Clause, delete words "manufacturing and". (ii) Delete second sentence of the 1 <sup>st</sup> para of the Clause. (iii) Delete the whole Clause 1 along with sub-clause 1.1 to 1.7.												
27.	I (1/2)	5  Part II: Part A – Appendix To Bid	140 to 143	Table of Coordination Events and Key Milestones	Coordination Events	Replace the "Table: Coordination Events and Key Milestones" with "Revised Table: Coordination Events and Key Milestones" attached as "Attachment: Addm 2-3".												
28.	I (1/2)	5  Part II: Part A – Appendix To Bid  and  Part II:	135  and  157	(i) ATB 1.1.3.3  (ii) ATB 1.1.3.7  and  (iii) PC 10.2	(i) Time for Completion  (ii) Defect Notification Period  and  (iii) Taking	Replace the Table in third column of ATB 1.1.3.3 & ATB 1.1.3.7 and in second column of PC 10.2 as under: <table border="1"> <tbody> <tr> <td>(i)</td> <td>Rewari – Iqbalgarh section</td> <td>157 W (1099 D)</td> </tr> <tr> <td>(ii)</td> <td>Iqbalgarh - Makarpura section</td> <td>213 W (1491 D)</td> </tr> <tr> <td>(iii)</td> <td>Makarpura - Sachin section</td> <td>208 W (1456 D)</td> </tr> <tr> <td>(iv)</td> <td>Sachin - Vaitarna section</td> <td>208 W (1456 D)</td> </tr> </tbody> </table>	(i)	Rewari – Iqbalgarh section	157 W (1099 D)	(ii)	Iqbalgarh - Makarpura section	213 W (1491 D)	(iii)	Makarpura - Sachin section	208 W (1456 D)	(iv)	Sachin - Vaitarna section	208 W (1456 D)
(i)	Rewari – Iqbalgarh section	157 W (1099 D)																
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		Part B – Particular Conditions (PC)			Over of Parts of the Works	(v)	Vaitarna - JNPT section	234 W (1638 D)
						(vi)	On-Board Works on all 200 Locos (120 for Phase 1 & 80 for Phase 2)	442 W (3094 D)
29.	I (1/2)	5  Part II: Part A – Appendix To Bid	136 & 137	ATB 8.2	Time of Completion	Replace the content of the third column with the following: “The total Completion period shall be 442 Weeks (3094 days). The permanent works shall be completed by achieving the following milestones: MS 1: Completion of all TPWS works on Rewari – Iqbalgarh section as well as in OCC for commencement of Integrated testing: 145 W (1015 days). MS 2: Completion of all TPWS works on Iqbalgarh - Makarpura section as well as in OCC for commencement of Integrated testing: 201 W (1407 days). MS 3: Completion of all TPWS works on Makarpura - Sachin section as well as in OCC for commencement of Integrated testing: 196 W (1372 days). MS 4: Completion of all TPWS works on Sachin - Vaitarna section as well as in OCC for commencement of Integrated testing: 196 W (1372 days). MS 5: Completion of all TPWS works on Vaitarna - JNPT section as well as in OCC for commencement of Integrated testing: 222 W (1554 days). MS 6: Completion of all TPWS works as per scope of works on Rewari – Iqbalgarh section and taking over of Works by Employer: 157 W (1099 days). MS 7: Completion of all TPWS works as per scope of works on Iqbalgarh - Makarpura section and taking over of Works by Employer: 213 W (1491 days). MS 8: Completion of all TPWS works as per scope of works on Makarpura - Sachin section and taking over of Works by Employer: 208 W (1456 days). MS 9: Completion of all TPWS works as per scope of works on Sachin - Vaitarna section and taking over of Works by Employer: 208 W (1456 days). MS10: Completion of all TPWS works as per scope of works on Vaitarna - JNPT section and taking over of Works by Employer: 234 W (1638 days) MS 11: Completion of Integrated testing and commissioning of all 200 Locos (120 for Phase 1 & 80 for Phase 2) and Taking over of Works by employer: 442 W (3094 days).”		
30.	I (1/2)	5  Part II: Part B – Particular	154 & 155	PC 8.2	Time for Completion	Replace the existing eleven stages in second column of PC 8.2 with the following: 1) Completion of all TPWS works on Rewari – Iqbalgarh section as well as in OCC for commencement of Integrated testing: 145 W (1015 days) <b>(MS 1)</b> . 2) Completion of all TPWS works on Iqbalgarh - Makarpura section as well as in OCC for		

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		Conditions (PC)				<p>commencement of Integrated testing: 201 W (1407 days) <b>(MS 2)</b>.</p> <p>3) Completion of all TPWS works on Makarpura - Sachin section as well as in OCC for commencement of Integrated testing: 196 W (1372 days) <b>(MS 3)</b>.</p> <p>4) Completion of all TPWS works on Sachin - Vaitarna section as well as in OCC for commencement of Integrated testing: 196 W (1372 days) <b>(MS 4)</b>.</p> <p>5) Completion of all TPWS works on Vaitarna - JNPT section as well as in OCC for commencement of Integrated testing: 222 W (1554 days) <b>(MS 5)</b></p> <p>6) Completion of all TPWS works as per scope of works on Rewari – Iqbalgarh section and taking over of Works by Employer: 157 W (1099 days) <b>(MS 6)</b>.</p> <p>7) Completion of all TPWS works as per scope of works on Iqbalgarh - Makarpura section and taking over of Works by Employer: 213 W (1491 days) <b>(MS 7)</b>.</p> <p>8) Completion of all TPWS works as per scope of works on Makarpura - Sachin section and taking over of Works by Employer: 208 W (1456 days) <b>(MS 8)</b>.</p> <p>9) Completion of all TPWS works as per scope of works on Sachin - Vaitarna section and taking over of Works by Employer: 208 W (1456 days) <b>(MS 9)</b>.</p> <p>10) Completion of all TPWS works as per scope of works on Vaitarna - JNPT section and taking over of Works by Employer: 234 W (1638 days) <b>(MS 10)</b>.</p> <p>11) Completion of Integrated testing and commissioning of all 200 Locos (120 for Phase 1 &amp; 80 for Phase 2) and taking over of Works by Employer: 442 W (3094 days) <b>(MS 11)</b>.</p>