

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

Addendum No. 6 Dated 11.02.2014
Addendum / Amendments to the Bid Documents for

DESIGN AND CONSTRUCTION OF SIGNAL AND TELECOM WORKS FOR DOUBLE LINE RAILWAY INVOLVING TRAIN DETECTION SYSTEM, ELECTRONIC INTERLOCKING IN STATIONS, AUTOMATIC SIGNALLING IN BLOCK SECTIONS, TRAIN MONITORING AND DIAGNOSTIC SYSTEM, INTERLOCKING OF LEVEL CROSSING GATES, DISPATCH TELEPHONE SYSTEM, FIBER OPTIC COMMUNICATION SYSTEM, GSM(R) SYSTEM, DIGITAL ELECTRONIC EXCHANGE SYSTEM, MASTER CLOCK SYSTEM AND VIDEO SURVEILLANCE SYSTEM FOR REWARI – MAKARPURA SECTION INCLUDING TESTING AND COMMISSIONING ON DESIGN-BUILD LUMP SUM PRICE BASIS OF WESTERN DEDICATED FREIGHT CORRIDOR

SIGNALLING AND TELECOMMUNICATION WORKS CONTRACT
(Rewari – Makarpura of Phase I)

Ref. : ICB No. ST P-5

Sl. No.	Vol. No.	Section No.	Page No.	Clause No.	Item	Addendum / Amendments to the Bid Documents
355.	III Part 1	9	28	5.7.5	Block Sections	Add the following sentence after first sentence in the existing Clause: "Requirements of RDSO's TPWS specifications shall be taken into consideration while deciding location of Auto Location Huts."
356.	III Part 1	9	30	5.10.17	Power Supply System (PSS)	The Clause is modified as under: 5.10.17 Provenness (a) The PSS vendor must have proven track record (PTR) of satisfactory performance of same model and rating of PSS Systems in any Metro Railway / Railway / Monorail for signal and telecommunication for at least five years. The Bidder shall submit installation details and User's contact details for verification of PTR. (b) If requirements as per (a) above cannot be met, reasons for the same shall be submitted well in advance for review without objection by the Engineer. The PSS in such a case shall be required to undergo Type Tests as per Clause 9.6 of Vol. III Part 1 of P-5 Bid documents.
357.	III Part 1	9	49	9.5(3)	Sources of equipment supply	Insert the words "(except PSS for which provenness of at least 5 years as per Clause 5.10.17 shall apply)" after the words "2 years" in the third line of the Clause.

Sl. No.	Vol. No.	Section No.	Page No.	Clause No.	Item	Addendum / Amendments to the Bid Documents
358.	III Part 1	9	65	10.9	Housing, Enclosure and Cabinet	<p>Add following Clauses below existing Clause 10.9.2:</p> <p>10.9.3 Unless specified otherwise, all equipment to be housed in outdoor environment (open areas, etc) shall be dust proof and water proof to IP 65 standard enclosures as a minimum. Open areas shall be the areas within reach of direct sunlight and rain.</p> <p>10.9.4 All equipment cabinets shall be manufactured from mild steel sheet of thickness at least 1.6mm and shall have treatment for corrosion protection. The cabinet shall not be higher than 2200mm.</p> <p>10.9.5 All cabinets installed in equipment rooms with false floor shall have cable entry at the bottom.</p> <p>10.9.6 For floor mounted type cabinets, access to cabinets and sub-assemblies within cabinets shall be provided via removable front and/or rear doors equipped with locking facilities. Side panels shall be removable, if necessary.</p> <p>10.9.7 Particular attention shall be paid to the ventilation of cabinets to ensure an acceptable condition for equipment inside. The Contractor shall submit, for the review of the Engineer, calculations proving that the temperature inside the equipment cabinet can be maintained within the temperature specifications of the equipment.</p> <p>10.9.8 The layout of equipment shall be designed to provide easy access to every individual part from the outside.</p>
359.	III Part 1	Annex 7-6	1	1.5(i)	Laying of cables	<p>Add following Clauses below existing Clause 1.5(i)e:</p> <p>(f) P-5A Contractor shall normally use CTR provided by P-5 Contractor.</p> <p>(g) If at any place, CTR/Trench/Duct provided by P-5 Contractor</p>

Sl. No.	Vol. No.	Section No.	Page No.	Clause No.	Item	Addendum / Amendments to the Bid Documents
						<p>either does not exist or cannot accommodate P-5A cables, P-5A Contractor shall provide his own CTR/Trench/Duct. Details of the same shall be submitted to the Engineer for his consent.</p> <p>(h) P-5A Contractor shall lay balise cable on the side of Telecom cables separated by bricks in trench/ duct. If in any stretch of trench/ duct provided by P-5 Contractor, no telecom cable is laid, then P-5 Contractor shall provide brick separation with balise cable.</p>
360.	III Part 1	Annex 7-6	2	1.5iii(a)	Interface issues – Power Supply	<p>(i) Insert the word “load” after the words “Power Supply” in the first line of the Clause.</p> <p>(ii) Insert the word ““(in term of watts)” after the word “requirement” in the second line of the Clause.</p>
361.	III Part 1	Annex 7-6	2	1.5iii(b)	Interface issues – Power Supply	<p>(i) Insert the words “use as it is, convert to required voltage or” after the words “P-5A Contractor shall” in the first line of the Clause.</p> <p>(ii) Insert the words “as required” after the words “available power supply” in the first line of the Clause.</p>
362.	III Part 1	Annex 7-6	2	1.5(iv)	Interface issues	<p>Add the following at the end of the Clause: “While LEUs shall normally be located inside the Auto Location Huts, if any LEU has to be kept in a Location Box due to design considerations, then P-5 Contractor shall provide the said repeater relay in the location Box containing the LEU.”</p>
363.	III Part 1	Annex 7-6	2	1.5	Interface issues	<p>In the Clause 1.5 of Addm 4A item No. 297 Attachment 4-8, insert new sub-clause (viii) after sub-clause (vii) as under: “In exceptional cases splicing required for making available fibers for monitoring of TPWS equipment along the track side shall be provided by ST P-5 Contractor.”</p>
364.	III Part 1	Annex 8	1	2.4	Auto Location Hut Spec.	The Clause is deleted.
365.	III Part 1	Annex 8	1	3.3	Auto Location Hut Spec.	The Clause is deleted.
366.	III Part 1	Annex 8	4	10.1	Air Conditioning in Auto Location	In the Clause 10.1 of Addm 4A item No. 296, insert the words “(including for electronic equipment provided by ST P5-A

SI. No.	Vol. No.	Section No.	Page No.	Clause No.	Item	Addendum / Amendments to the Bid Documents
					Huts	Contractor)” after the words “Electronic Equipment” in the second sentence in third line of the Clause.
367.	III Part 2	5	22	5.3.3.1.10	Fiber required for monitoring Signalling / TPWS equipment along the track side	At the end of the sub-clause, add the following sentence: “In exceptional cases splicing shall be required for making available fibers for monitoring of signalling/TPWS equipment along the track side. Refer to Annexure 7-6 of vol III Part 1 of ST P-5 Bid document for interface requirements with ST P-5A.”
368.	III Part 2	15	116	New sub-clauses 15.9.4, 15.9.5, 15.9.6, 15.9.7, 15.9.8, 15.9.9 and 15.9.10	More details for Housing, Enclosure and cabinet	At the end and after sub-clause 15.9.3 add sub-clauses 15.9.4, 15.9.5, 15.9.6, 15.9.7, 15.9.8, 15.9.9 and 15.9.10 as under: 15.9.4 All equipment cabinets shall be manufactured from mild steel sheet of thickness at least 1.6mm and shall have treatment for corrosion protection. The cabinet shall not be higher than 2200mm. 15.9.5 All cabinets installed in equipment rooms with raised-floor shall have cable entry at the bottom. 15.9.6 For floor mounted type cabinets, access to cabinets and sub-assemblies within cabinets shall be provided via removable front and/or rear doors equipped with locking facilities. Side panels shall be removable, if necessary. 15.9.7 All cabinets housing radio equipment shall have a screening factor of over 55 dB at the operating frequencies and the construction shall be submitted to the Engineer for review. 15.9.8 All parts used in the housing and enclosure shall be standard manufactured models. 15.9.9 Particular attention shall be paid to the ventilation of cabinets to ensure an acceptable condition for equipment inside.

Sl. No.	Vol. No.	Section No.	Page No.	Clause No.	Item	Addendum / Amendments to the Bid Documents
						<p>The Contractor shall submit, for the review of the Engineer, calculations proving that the temperature inside the equipment cabinet can be maintained within the temperature specifications of the equipment.</p> <p>15.9.10 The layout of equipment shall be designed to provide easy access to every individual part from the outside.</p>
369.	I (Part ½)	1	40	ITB 39.3 (BDS)	Notification of Award	<p>Insert a new BDS (ITB 39.3) as under:</p> <p>“Delete the whole clause ITB 39.3”</p>
370.	I (Part ½)	5	167	Part II: Part B: Particular Conditions/ Sub-Clause 14.2	Advance Payment	<p>In PC 14.2: Advance Payment, replace the sub-para (iv) with the following:</p> <p>“on receipt of Letter of Commitment (L/Com) (issued by JICA) by the Employer from designated Japanese Foreign Exchange Bank in Tokyo (Foreign Currency Portion only)”</p>