

Dedicated Freight Corridor Corporation of India Limited
(A Government of India Enterprise)
Addendum No.9 Dated 15.07.2014
Addendum / Amendments to the Bidding 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 FREIGHTCORRIDOR

SIGNALLING AND TELECOMMUNICATION WORKS CONTRACT
(Rewari – Makarpura of Phase 1)

Ref.: ICB No. ST P-5

Sl. No.	Volume	Section / chapter	Page No.	Clause / Para No.	Item	Addendum / Amendments to the Bid Documents
431	I Part 1/2	2	68	Sub-para: 4.10(a) of Stage 4: Technical Evaluation	Table for 'Technical Particulars of the Works Signalling and Telecoms. System'	(i) Replace the existing value of Available Points "1.3" as appearing against S. No. 3 – Automatic signalling with "1.4". (ii) Delete row at S.No. 11- After care service.
432.	Vol I (Part ½)	3	120	2(d) and 2(e) of the Form I-B-7:	General Confirmations wrt GCC and PCC as included in	Delete the Sub-clause No. 2(d) and 2(e) in the Form I-B-7.

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				Technical Particulars-Signal Telecommunication System	the Bid Documents	
433.	Vol I (Part ½)	3	124	6.5(i) of the Form I-B-7: Technical Particulars-Signal Telecommunication System	Statement of Maintainability	Delete the Sub-clause No. 6.5(i): Statement of Maintainability, in the Form I-B-7.
434.	I Part 1/2	5	141	ATB 2.1	Right to access to the Site	Replace the ATB 2.1 with the following: “Site availability from the Other Contractor(s) shall be as specified in the Table of Coordination Events. The Sites will be made available as agreed mutually between concerned interfacing contractors.”
435.	I Part 2/2	6	58	Schedule 5.9.1	Payment Schedule	Replace the existing Schedule 5.9.1 with the revised Schedule attached as Attachment –Addm 9-1.
436.	II	-	i	Chapter 24	Table of Contents	Replace existing chapter heading “AFTERCARE SERVICES” with “NOT USED”.
437.	III	9	3	1.3.8 (a)	Employer’s Requirement	In amendment at Sl. No. 391, replace the last sentence of Clause 1.3.8 (a) with the following:

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	Part 1				s	“For longer track lengths, Absolute Block working using Block Proving by Axle Counter using UFSBI as per RDSO specification No. IRS: S 105 shall be provided.”
438.	III Part 2	6	37	6.1.2	Optional requirements of EIRENE specifications	Last sentence “Decision regarding implementation of requirements marked as optional shall be taken by the Engineer during design stage.” of clause 6.1.2 is deleted.
439.	III Part 2	6	42	6.3.9.5.2	EIRENE Services and facilities supported by mobile radios	Replace Clause 6.3.9.5.2 by modified clause 6.3.9.5.2 and new sub-clauses 6.3.9.5.2.1, 6.3.9.5.2.2, 6.3.9.5.2.3 & 6.3.9.5.2.4 as detailed in Attachment: Addm 9-2.
440.	III Part 2	6	44	6.3.9.7.1	General Purpose Radio emergency call requirement	Sub para “Capability of sending and receiving railway emergency calls shall be reviewed during detailed design.” of clause 6.3.9.7.1 is deleted.
441.	III Part 2	6	44	6.3.9.8.1	Direct mode calls requirement for OPH	Sub para “Capability of direct mode calls shall be reviewed during detailed design.” of clause 6.3.9.8.1 is deleted.
442.	III Part 2	6	59	6.5.1.3	Hot standby of MSS not required	Replace the existing sentence in the second to fifth lines of the clause appearing as “The central switch equipment shall be provided with a hot standby with automatic changeover in the event of a failure of the working unit. MSS changeover between main and hot standby shall occur with minimum interruption to the call processing, so that an on-going call is not disrupted” with

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						“The central switch equipment shall be so designed and constructed that on a later date it shall be possible to procure another MSS equipment and install at any location other than OCC and work it as geo redundant hot standby with the existing MSS in OCC without replacement of the hardware and software of the existing MSS in OCC. Contractor shall confirm this requirement.”
443.	III Part 2	6	59	6.5.1.8	Supply schedule for radios	At the end of the clause, add the following: “Cab radios shall be supplied as per schedule in item 9(a) of Appendix 9-2 OPH radios shall be supplied as per schedule below: <ul style="list-style-type: none"> • 60 Numbers as part of Milestone MS-2 • 100 numbers each with milestones MS-3, MS-5 and MS-6 Shunting radios shall be supplied as per schedule below: <ul style="list-style-type: none"> • 20 numbers each with milestones MS-5 & MS-6.”
444.	III Part 2	6	60	6.5.2.4	Requirement of Direct mode operation for mobile terminals deleted	Replace Clause 6.5.2.4 with “Not used”.
445.	III Part 2	Appendix 9-2	28	S. No. 9(a)	On-board radio and train radio antenna under column “Item of work”	At the end of the sentence under column “ST P-5”, add the words “as per the schedule of supply jointly agreed by ST P-5 and RS P-7 and consented by the Engineer.”
446.	III Part 1	3	12	3.3.2	Design Standard	Delete item No. 253 of Addendum No.4A thus restoring original standard at S. No. 27 as “IRS: S93(A); Secondary Cell – Maintenance Free”.

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447.	III Part 1	5	30	5.10.11	Power Supply system	The Clause modified as per item No. 264 of Addendum No.4A is replaced as under: “Batteries provided with PSS shall consist of sealed maintenance free Valve Regulated Lead Acid (VRLA) cells as per RDSO specification No. IRS S:93. These shall generally consist of 2 Volt cells. However, Monoblock batteries in sizes of 6 or 12 Volts may be used in PSS of low capacity (e.g. in Block Sections) with the consent of the Engineer.”
448.	III Part 1	5	31	5.10.23	Power Supply system	The Clause modified as per item No. 265 of Addendum No.4A is replaced as under: “Battery sets shall be supplied only when the site is ready for commissioning of Signalling & PSS hardware is installed.”
449.	III Part 1	5	31	5.10.24	Power Supply system	The Clause is modified as under: “Spare Cell Charger for charging 1 to 6 Nos. of 2V cells or Monoblock batteries of 6 or 12 Volts at 10% of Battery AH Capacity shall be supplied as Spare at each station.”
450.	III Part 1	6 Annex-1	13	11	TMS Integration with Train Radio Comm System	The Clause is modified as under: “Suitable arrangement will be provided for entering of Train ID in Cab radio at the starting station of DFCCIL route and its confirmation from TMS by Radio Server.”
451.	III Part 1	6 Annex-2	40	12(iii)	TMS Integration with Train Radio Comm System	The Clause is modified as under: “Suitable arrangement will be provided for entering of Train ID in Cab radio at the starting station of DFCCIL route and its confirmation from TMS by Radio Server. Details of the same shall require consent of the Engineer at Design stage.”
452.	III Part 2	6	30 of 128	5.4.3.9 5) new sub-	Availability of Networkingsy stem	Item 5) of sub-clause 5.4.3.9 is replaced with “Recovery from Network Failures within 50 m sec;”

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				clause		
453.	III Part 2	11	91 of 128	11.1.5	VRLA Batteries required	Clause no. 11.1.5 is replaced with “The Battery shall consist of VRLA (maintenance free) cells. Battery sets shall be supplied only when the site is ready for commissioning of Telecom sub-systems.”
454.	III Part 2	11	92 of 128	11.3.6	VRLA Batteries required	S N 338 of Addendum 4A is withdrawn restoring the original clause 11.3.6 as “An additional battery set consisting of a six cell block each of the same voltage as in the two main 48 V battery banks shall be provided at each station. This set shall be maintained on charge from the charging unit such that one or more cells from this set can replace the faulty cell (s) / cell block of the working battery banks. The spare cell charger shall be suitable to charge the type of VRLA batteries being used.”
455.	III Part 2	11	92 of 128	11.3.9	VRLA Batteries required	S N 339 of Addendum 4A is withdrawn restoring the original clause 11.3.9 as “The service life of the VRLA battery cells shall not be less than 10 years.”
456.	III Part 2	11	92 of 128	11.3.14	VRLA Batteries required	S N 340 of Addendum 4A is withdrawn restoring the original clause 11.3.14 as “All batteries for installation in the WDFC shall be of the Sealed Maintenance Free, Valve Regulated, Lead Acid (VRLA) type to RDSO specifications IRS S93 – 96 with latest amendments for battery capacities up to and including 500 AH and to DOT specifications No. TQ 510G 92 with latest amendments for capacities above 500AH. VRLA Battery cells to RDSO Specifications shall be procured from RDSO approved source only and to DOT Specifications shall be procured from DOT approved sources only.
457.	Vol I (Part ½)	7	179	1(c)	Form of Contractor’s Warranty	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”