Dedicated Freight Corridor Corporation of India Limited

(A Government of India Enterprise)

Addendum No. 4 Dated 11.12.2013 Addendum / Amendments to the Bid Documents for

DESIGN AND CONSTRUCTION OF SIGNAL AND TELECOM WORKS FOR DOUBLE LINE RAILWAY INVOLVING TRAIN DETECTION SYSTEM, TRAIN PROTECTION & WARNING SYSTEM, ELECTRONIC INTERLOCKING IN STATIONS, AUTOMATIC SIGNALLING IN BLOCK SECTIONS, 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 AND TRAIN MONITORING AND DIAGNOSTIC SYSTEM FOR DADRI – JNPT 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 and part of Phase 2)

Ref.: ICB No. ST P-5

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199.	All		Cover			(1) In the para summarizing the Scope of Works:
	(Both		Page			
	Parts)					(a) Delete the existing words "TRAIN PROTECTION & WARNING SYSTEM" appearing in the 2 nd / 3 rd line.
						(b) Add the words "TRAIN MONITORING AND DIAGNOSTIC SYSTEM" between the words "IN BLOCK SECTIONS," and "INTERLOCKING OF LEVEL CROSSING"
						(c) Delete the words "AND TRAIN MONITORING AND DIAGNOSTIC SYSTEM FOR DADRI – JNPT SECTION" appearing in the 9 th /10 th line.
						(2) Replace the line "Rewari – Makarpura of Phase I and Part of Phase 2" appearing on the front and reverse side of Cover Page, with the following: "Rewari – Makarpura of Phase I"
200.	I (Part 1 of 2)	1	27	ITB 1.1 (BDS)	Scope of Bid – Phase 1	(1) In the list of Phase I Lots, insert the following after ICB-EM P-4: Electrical andRewari-Vadodara:
					Lots	"ICB – ST P-5A: Train Protection and Warning System Rewari – JNPT"

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1101	1101					(2) Replace "ICB-CT P-15A; Special Steel Bridges (7 Nos.)" with the following: "ICB – CT P-15A: Special Steel Bridges (8 Nos.)"
201.	I	1	31	ITB 11.1 (BDS)	Docume nts Comprisi ng the Bid	Insert the words "(of Technical Bid Only)" in between " alongwith two (2) soft copies" and "on CD filling all the details" in the 4th line of ITB 11.1 (BDS)
202.	I	1	36	ITB 20.1 (BDS)	Format and Signing of Bid	Insert the words "(of Technical Bid only)" in between the words "plus two soft copies" and "in English version."
203.	I (Part 1 of 2)	2	51	Sub- factor: 3.2(c)(iii) 3.2(c)(iii) of Qualificati on Requirem ent 3.2(c): Financial Situation	(1) Avera ge Annual Procur ement/ Construction Turnov er (2) Fina ncial Resources	 (1) Against the sub-factor 3.2(c)(ii), replace the existing requirement "115 million USD¹" appearing in the second column of the table with – "89 Million USD¹" (2) Against the sub-factor 3.2(c)(iii), replace the existing requirement "20 million USD¹" appearing in the second column of the table with – "18.3 Million USD¹"
204.	I (Part 1 of 2)	2	Pg. 1 of Addend um No. 2 and its Attachm ent: Addm 2-1 and corresp onding	Key Activities (a) and (b) of the Sub- factor: 3.2(e)(iii): Specific Supply, Installatio n,	Amendm ent at SI. No. 23 of Addendu m No. 2 and its respectiv e Attachme nt: Addm 2-1	In the 2 nd column of Attachment: Addm 2-1 of Addendum No. 2: Delete the following sub-para for Key Activities: "a Onboard equipment of ATP/ETCS/ Train Protection & Warning System to Railways/ Metro Railway/ Monorails – 24 On Board devices of rolling stock in any one year in the last ten years" And "b. Track side/ line side equipment of ATP/ ETCS/ Train Protection & Warning

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			Pg. no. 56 of Volume I (Part ½)	Testing and Commiss ioning Experien ce in Key Activities		System to Railways / Metro Railway/ Monorails – 18.4 Route km in last ten years"	any one year in
205.	I (Part ½)	2	58	Sub- factor 3.2(e)(iv)(1) of Qualificati on Requirem ent 3.2(e): Experienc e	Specific Design Experien ce	Delete the words "TPWS/ATP/ETCS" appearing in 3 rd par Requirement (1), in 2 nd column of the table '3.2(e) Experience' sub-factor 3.2(e)(iv).	agraph of the and against the
206.	I (Part ½)	2	64	Sub- para: 4.6(a) of	Table for 'Basic Program	Replace the existing table 'Basic Programme for the Works' in the with the revised table as under:	e sub-para 4.6,
				Stage 4: Technical	me for the	Basic Programme for the Works	Available Points
				Evaluatio	Works'	1 EI	2.0
				n		2 Automatic Signalling	2.5
						3 Digital Axle Counters	2.5
						4 Interlocking of Level Crossing Gates	0.5
						5 Train Management and Diagnostic Systems (TMS)	2.5
						6 Fibre Optic Communication System	1
						7 Digital Electronic Exchange	1
						8 Dispatch Telephone System, Master Clock & Video Surveillance	1
						9 GSM(R)	1
						Total	14

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No. 207.	No. I (Part ½)	2	No. 68	Sub- para: 4.10(a) of Stage 4: Technical Evaluatio n	Table for 'Technica I Particular s of the Works Signallin g and Telecom s. System'	Replace the existing table 'Technical Particulars of the Works Signellomms. System' in sub-para 4.10, with the revised table as under: Technical Particulars of the Works Signalling and Telecoms. Systems 1	
208.	I (Part ½)	2	69	Sub- para: 4.11(a) of Stage 4: Technical Evaluatio n	Table for 'Propose d List of Manufact urers and Sub-Contract ors for Construct ion and Erection of Equipme nt and Countries of Origin'	Replace the existing table 'Proposed List of Manufacturers and Sub for Construction and Erection of Equipment and Countries of Origin' 4.11, with the revised table as under: Proposed List of Manufacturers and Sub-Contractors for Construction and Erection of Equipment and Countries of Origin 1 El 2 Automatic Signalling 3 Digital Axle Counters 4 Interlocking and Level Crossing Gates 5 Train Management and Diagnostic Systems (TMS) 6 Fibre Optic Communication System 7 Digital Electronic Exchange 8 Dispatch Telephone System, Master Clock & Video Surveillance 9 GSM(R) Total	

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209.	I (Part ½)	2	70	Sub- para: 4.12(a) of	Table for Proposed Transfer	Replace the existing table 'Proposed Transfer of Technology' in with the revised table as under:	sub-para 4.12,
				4.12(a) of Stage 4: Technical Evaluatio n	Transfer of Technolo gy	Proposed Transfer of Technology 1 EI 2 Automatic Signalling 3 Digital Axle Counters 4 Interlocking and Level Crossing Gates 5 Train Management and Diagnostic Systems (TMS) 6 Fibre Optic Communication System 7 Digital Electronic Exchange 8 Dispatch Telephone System, Master Clock & Video Surveillance 9 GSM(R) Total	Available Points 1.0 0.5 0.9 0.1 1.0 0.5 0.2 0.3 0.5 5.0
210.	I (Part ½)	3	Pg. 1 of Adden dum No. 2 and its corres pondi ng Pg no. 96 of Volum e I (Part ½)	Key Activities at SI. No. (1) and (2) of the table 'Informati on in respect of each of the claimed experien ce' in Form Exp-3	Amendm ent at SI. No. 25 of Addendu m No. 2 - Form EXP-3 (contd): Specific Supply, Installatio n, Testing and Commiss ioning Experien ce	In the Table for "Information in respect of each of the claimed expanded at SI. No. 25 of Addendum No. 2: Delete the Key Activities against the SI. No. 1 and 2.	perience" in the

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211.	I (Part 1/2)	3	97	Descripti on of the experien ce against Sl. No. 1	Form EXP-4: Specific Design Experien ce	Delete the text "TPWS/ATP/ETCS" from the item against S. No.1.
212.	I (Part 1/2)	3	123	6.3 of the Form I-B- 7: Technical Particular s – Signal and Telecom municatio n System	Bidder's Technical Proposal s	 (1) In the sub-para (iii) and (v) of para 6.3, delete the word "TPWS" appearing in the 3rd and 2nd line respectively. (2) Add a new sub-para (xii) at the end of para 6.3 as under: "Entity proposed to be responsible for System Integration."
213.	I (Part 1/2)	4	Pg. no. 2 of Adden dum No. 2 And its corres pondi ng Pg. 137 of Volum e I (Part ½)	Section 4: List of Eligible Countries of Japanes e ODA STEP Loans	Sub-para no. 4.2 and 4.3(ii) of the item at SI. No. 27 of Addendu m No. 2	 (1) In the sub-para 4.2: Replace the percentage of STEP component "56% (fifty six percent)" as appearing in the second line of sub-para 4.2, with "49.56 % (Forty nine point five six percent)" (2) In the sub-para 4.3 Delete the sub-item "(ii) Train Protection and Warning System (TPWS)"
214.	I (Part 1/2)	5	140	Part II / Part A:	Time for Completi on	Replace the entire content of 3 rd column of ATB 1.1.3.3 with the following: "(i) Rewari – Iqbalgarh: 168 Weeks (1176 days)

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				Appendix to Bid/ Sub- clause:		Rewari – Dabla shall be completed in 95 Weeks (665 days) but will be taken over by Employer along with Rewari – Iqbalgarh Section. (ii) Iqbalgarh – Makarpura: 200 Weeks (1400 days)
				1.1.3.3		(iii) On-Board Works on all 120 Locos of Phase I: 338 Weeks (2366 days)"
215.	I (Part 1/2)	5	140	Part II / Part A: Appendix to Bid/ Sub- clause: 1.1.3.7	Defect Notificati on Period	Replace sub-para (i) to (iv) in 3 rd column of ATB 1.1.3.7 with the following: "(i) Rewari – Iqbalgarh: 168 Weeks (1176 days) Rewari – Dabla shall be completed in 95 Weeks (665 days) but will be taken over by Employer along with Rewari – Iqbalgarh Section. (ii) Iqbalgarh – Makarpura: 200 Weeks (1400 days) (iii) On-Board Works on all 120 Locos of Phase I: 338 Weeks (2366 days)"
216.	I (Part 1/2)	5	140	Part II / Part A: Appendix to Bid/ Sub- clause: 1.1.5.6	Section	Replace the entire content of 3 rd column of ATB 1.1.5.6 with the following: "(i) Rewari – Iqbalgarh Section (However Rewari – Dabla to be completed in 95 weeks) (ii) Iqbalgarh – Makarpura Section (iii) On-Board Works on all 120 Locos of Phase I"
217.	I (Part 1/2)	5	141	Part II / Part A: Appendix to Bid/ Sub- clause: 8.2	Time of Completi on	Replace the existing milestones MS1 to MS8 in 3 rd column of ATB 8.2 with the following milestones respectively: "MS 1: Completion of all Sig & Telecom works on Rewari – Dabla section for commencement of Testing of prototype Loco: 95 W (665 D). MS 2: Completion of all Sig & Telecom works on Rewari – Iqbalgarh section as well as in OCC for commencement of Integrated testing: 156 W (1092 days). MS 3: Completion of all Sig & Telecom works on Iqbalgarh - Makarpura section as well as in OCC for commencement of Integrated testing: 188 W (1316D). MS 4: Deleted MS 5: Completion of all works as per scope of works on Rewari – Iqbalgarh

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						section and taking over of Works by Employer: 168 W (1176 days). MS 6: Completion of all works as per scope of works on Iqbalgarh - Makarpura section and taking over of Works by Employer: 200 W (1400 days). MS 7: Deleted
						MS 8: Completion of Integrated testing and commissioning of all 120 Locos of Phase 1 and Taking over of Works by employer: 338 W (2366 days)".
218.	I (Part 1/2)	5	142	Part II / Part A: Appendix to Bid/ Sub- clause: 8.7 & 14.15(b)	Amount of Delay Damages	Delete the existing text against the 'MS 4' and 'MS 7'
219.	I (Part 1/2)	5	147- 150	Part II / Part A: Appendix to Bid/ Table	Table: Coordina tion Events and Key Milestone s (ATB 8.2 of Contract ST P-5)	Replace the existing Table: Coordination Events and Key Milestones (ATB 8.2 of Contract ST P-5) with the revised table attached as "Attachment: Addm – 4-1"
220.	I	5	155	Part II / Part B: Particular Condition s / Sub- clause 1.1.3.13	Definition of 'Stage'	Replace the existing definition of "Stage" with the following: "Stage" means the part of the Works identified under the 'Payment Events' in the 'Schedules 5.1 to 5.16' of the Schedule 5: Payment Schedule (Vol I – Part 2/2)
221.	I (Part	5	161	Part II / Part	Time for Completi	Replace the sub-para from 1) to 8) in 2nd column of PC 8.2, with the following:

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No.	No. 1/2)	No.	No.	No. B: Particular Condition s/ Sub- clause: 8.2	on	 "1) Completion of all Sig & Telecom works on Rewari – Dabla section for commencement of Testing of prototype Loco: 95 W (665 D) (MS 1) 2) Completion of all Sig & Telecom works on Rewari – Iqbalgarh section as well as in OCC for commencement of Integrated testing: 156 W (1092 days) (MS 2) 3) Completion of all Sig & Telecom works on Iqbalgarh - Makarpura section as well as in OCC for commencement of Integrated testing: 188 W (1316D) (MS 3). 4) Completion of all works as per scope of works on Rewari – Iqbalgarh section and taking over of Works by Employer: 168 W (1176 days) (MS 5) 5) Completion of all works as per scope of works on Iqbalgarh - Makarpura section and taking over of Works by Employer: 200 W (1400 days) (MS 6) 6) Completion of Integrated testing and commissioning of all 120 Locos of Phase 1 and taking over of Works by Employer: 338 W (2366 days) (MS 8)"
222.	I (Part 1/2)	5	162	Part II / Part B: Particular Condition s/ Sub- clause: 8.7	Delay Damages	 (A) In the Second Para of PC 8.7: In sub-para no. (i) – Replace the words "by achievement of Co-ordination event ST-9 (Commence test of proto type Loco)" with "by achievement of MS 2 (Completion of all Sig & Telecom works on Rewari – Iqbalgarh section as well as in OCC for commencement of Integrated testing)" (2) In sub-para no. (ii) – (a) Replace the words "Dabla – Iqbalgarh" appearing in the second line with "Rewari – Iqbalgarh" (b) Delete the words including brackets i.e. "(except for Locos not yet supplied)" appearing in the sixth line. (3) In sub-para no. (iii) – Delete the words including brackets i.e. "(except for Locos not yet supplied)" appearing in the sixth line.

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223.	I (Part	5	164	Part II /	Taking Over of	 (4) Delete the Sub-para no. (iv) (B) In the Last para of PC 8.7: Replace the text "On Board equipment and (Cab Radio)" appearing in seventh line, with "On Board Cab Radio". Replace the entire content of 2nd column of the PC 10.2 with the following:
	1/2)			B: Particular Condition s/ Sub- clause: 10.2	Parts of the Works	 (i) Rewari – Iqbalgarh: 168 Weeks (1176 days) Rewari – Dabla shall be completed in 95 Weeks (665 days) but will be taken over by Employer along with Rewari – Iqbalgarh Section. (ii) Iqbalgarh – Makarpura: 200 Weeks (1400 days) (iii) On-Board works on taking over of each of the 120 Locos of Phase 1 by the Employer
224.	I	5	168	Part II / Part B: Particular Condition s / Sub- clause 14.4	Schedule s of Payment	 In the first sentence of sub-para (a), replace the "Price Schedule 4.1 to 4.16" with "Payment Schedules 5.1 to 5.16" In the last sentence of sub-para (b) replace "Schedules 4.1 to 4.16" with "Schedules 5.1 to 5.16" Delete the following appearing in the 2nd line of sub-para (c) "(in units as described in the Price Schedule-4 of Section-6 Financial Submissions)"

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225.	I (Part 2/2)	6	1	Index of Section 6: Financial Submissi on	Schedule 4	Replace the "Schedule 4: Price Schedules – Breakdown of Lump Sum Bid Price" with "Schedule 4: Price Schedule – Currency wise Breakup of Lump Sum Bid Price Against Various Cost Centre for Payment Purpose"
226.	I (Part 2/2)	6	6	Schedule 2:	Preamble to Price Schedule	 Replace the Schedule Nos. "4.1 to 4.16" with "5.1 to 5.16" appearing in the last line of sub-para 6. Replace the word "Schedules" appearing in the 1st line of sub-para 7 with "Schedule 4". Add words "for payment purpose" after words " in respect of all the items" in 1st line of sub-para 7. Delete the words "listed in Schedules 4.1 to 4.16, for a full and comprehensive understanding by the Employer of the bid price for each item of the Works. The totals from the Price Schedules 4.1 to 4.16 shall be replicated in the Price Summary in Schedule 3." of sub-para 7.
227.	I (Part 2/2)	6	7	Schedule 3	Price Schedule - Lump Sum Bid Price	Replace the text in bracket ie "(as filled up by Contractor in Table give below)" appearing in second line of the note in the Schedule 3, with "(as filled up by the Bidder/Contractor in the Schedules 4: Price Schedule – Currency wise Breakup of Lump Sum Bid Price Against Various Cost Centre for Payment Purpose)"
228.	I (Part 2/2)	6	8-9	Schedule 3-1	Price Summary	Delete the entire "Schedule 3-1: Price Summary"
229.	I (Part 2/2)	6	10-23	Schedule 4	Price Schedule s- Breakdo wn of Lump Sum Price Bid	Replace the existing "Schedule 4: Price Schedules – Breakdown of Lump Sum Price Bid including Schedule 4.1 to Schedule 4.16" with "Schedule 4: Price Schedules – Currency wise Breakup of Lump Sum Bid Price Against Various Cost Centre for Payment Purpose" attached as 'Attachment: Addm 4-2'

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230.	I (Part 2/2)	6	24-25	Schedule 5:	Payment Schedule	 Replace the Schedules nos. "4.1 to 4.16" appearing in the last line of sub-para 1.2, with "5.1 to 5.16" Replace the Schedule nos. "4.2 to 4.16" appearing in the first line of sub-para 2.7, with "5.2 to 5.16" Delete the word "TPWS," appearing in the first line of sub-para 2.7(a). Replace the table "Schedule 5 - Payment Schedule Summary (ST P-5)" at Page
	2/2)			5	5: Payment Schedule Summary (ST P-5)	26 with "Schedule 5 – Payment Schedule Summary (ST P-5) Revised", attached as 'Attachment – Addm 4-3'
232.	I (Part 2/2)	6	27-66	Schedule s 4.1 to 4.16		Replace the existing Schedules 4.1 (Pg. no. 27) to 4.16 (Pg. no. 66) with the revised Schedules 5.1 to 5.16 attached as Attachment - Addm4-4 (35 Sheets)