

**Dedicated Freight Corridor Corporation of India Limited**

(A Government of India Enterprise)

**ADDENDUM NO. 10 Dated 12/02/2018**

**ADDENDUM /AMENDMENTS TO THE BIDDING DOCUMENTS FOR**

**“DESIGN, SUPPLY, CONSTRUCTION, INSTALLATION, TESTING AND COMMISSIONING OF 2X25kV AC ELECTRIFICATION, SIGNALLING & TELECOMMUNICATION, E&M AND ASSOCIATED WORKS ON DESIGN BUILD LUMP SUM BASIS OF DADRI – KHURJA SECTION (APPROXIMATELY 47 ROUTE KM OF DOUBLE LINE) OF EASTERN DEDICATED FREIGHT CORRIDOR”**

**ICB No.: HQ/SYS/EC/D-B/Dadri - Khurja**

Following Amendments are hereby made to the Bidding Document, issued on 14.06.2017 for submission of Stage-1 (Technical Proposal) Bids for 2x25kV, 2x25 kV AC Traction Electrification, Signalling & Telecommunication, E&M and Associated Works (Contract Packages 105), in accordance with ITB 8:

S. No.	Part No.	Vol. No.	Page No.	Clause No.	Item	Addendum/Amendment to Bid Documents
1.	Part – 1, Section – IV	-	105	Note 2	Appendix to Bid	<b>Replace “prorate” with “pro-rata” in the last line of Note 2.</b>
2.	Part – 1, Section – IV	-	134	Price Schedule 2.1.3	Apportionment of Contract price for Payment of Cost Centre <b>Traction Sub station (TSS) works</b>	<b>Add Note 3 below table “Price Schedule 2.1.3”:</b> “3. If as per the design approved by Engineer, there is no Auto transformer in TSS then, the payment against Sub-Cost Centre 2.1.3.3 and 2.1.3.10 shall be made against Sub-Cost Centre 2.1.3.6 and 2.1.3.14 respectively.”
3.	Part – 1, Section – IV	-	150	Price Schedule 2.2.3 Note 2	Apportionment of Contract price for Payment of Cost Centre <b>Signalling Works in Automatic Block Sections</b>	<b>Replace “prorate” with “pro-rata” in the last line of Note 2</b>

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4.	2	2	509	8.16	Outdoor Steel Parts	<p><b>Replace the clause 8.16 as under:</b></p> <p>“The zinc coating for steel structures and parts shall be as per RDSO Specification no. ETI/OHE/13 (4/84) except for marine and chemically polluted areas.</p> <p>The Zinc coating specified in the equipment specification if any will also be considered and most stringent Zinc coating out of the two will be applicable as approved by the Engineer.</p> <p>The polluted areas shall be identified as a result of pollution mapping by the contractor and approved by the Engineer, where the zinc coating shall be 1000 gm/ m<sup>2</sup>. In case of need to use nonstandard SPS at special locations to be fixed to the steel structure, these shall be with clamps to avoid drilling of galvanized mast sections.”</p>
5.	2	2	509	8.18.1	Insulators	<p><b>Add a new sub- clause 8.18.1 (1) (e):</b></p> <p>(e) For new cantilever assemblies approved under cross acceptance criteria, as per clause 8.10.1, the composite type insulators for cantilever can be proposed for the approval of Engineer, if the same is part of the cantilever assemblies approved under cross acceptance criteria.</p>
6.	2	2	527	10.6.6	SCADA System Performance requirements	In the second line of the para, “1 second” should be replaced by “2 second”.
7.	2	2	527	10.6.9	SCADA System Performance Requirements	<b>Replace</b> “IEC 60870-5-104/OPC UA” with “IEC 60870-5-104”.
8.	2	2	527	10.6.10	SCADA System Performance Requirements	<b>Replace</b> “IEC 60870-5-104/OPC UA” with “IEC 60870-5-104”.
9.	2	2	527	10.6.10(f)	SCADA System Performance Requirements	<b>Replace</b> “IEC 60870-5-104 and OPC UA” with “IEC 60870-5-104”

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10.	2	2	532	10.9.3(2)	Design Criteria and Performance Specification	<b>Replace</b> "IEC 60870-5-104/OPC UA" with "IEC 60870-5-104".
11.	2	2	533	10.9.3(5) (b)	Design Criteria and Performance Specification	<b>Replace</b> "IEC 60870-5-104/OPC UA" with "IEC 60870-5-104".
12.	2	2	535	10.10.1(1)	Performance Specification for SCADA Software	<b>Replace</b> "IEC 60870-5-104/OPC UA" with "IEC 60870-5-104".
13.	2	2	536	10.10.2(3) (b)	Functional Details of Master Station Software	<b>Replace</b> "IEC 60870-5-104/OPC UA" with "IEC 60870-5-104".
14.	2	2	537	10.10.2(4) (a)	Functional Details of Master Station Software	<b>Replace</b> "IEC 60870-5-104/OPC UA" with "IEC 60870-5-104".
15.	2	2	537	10.10.2(7) (a)	Functional Details of Master Station Software	<b>Replace</b> "IEC 60870-5-104/OPC UA" with "IEC 60870-5-104".
16.	2	2	545	10.10.2 (31)	Functional Details of Master Station Software	<b>In fourth row: Replace the word "Emulator" with "Simulator".</b>
17.	2	2	549	10.10.2 (38)(a) (xvii)	Functional Details of Master Station Software	<b>Replace</b> "IEC 60870-5-101 & 104/OPC UA" with "IEC 60870-5-101 & 104".
18.	2	2	553	10.10.2 (51)(a)	Functional Details of Master Station Software	<b>Replace</b> "IEC 870-5-104 with "IEC 60870-5-104".
19.	2	2	557	10.11.2(1) (a) (ii)	Testing, Commissioning and Verification	<b>Replace</b> "IEC 60870-5-104/OPC UA" with "IEC 60870-5-104".

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20.	2	2	557	10.11.2(1) (a) (iv)	Testing, Commissioning and Verification	<b>Replace</b> "IEC 60870-5-104/OPC UA" with "IEC 60870-5-104".
21.	2	2	613	Table- 18.4.1	Indicative Interfacing Matrix with Civil, Buildings and Track Works contractors (CP 302 and 303)	<b>In SN 7, 3<sup>rd</sup> column of table, delete and replace last Para with the following:</b> "Shall coordinate with the Civil Contractor so that the BEC is installed while the formation work is in progress by the Civil Contractor and if the formation already laid is likely to be affected then the work shall be carried out as per a method statement approved by Engineer, bringing out the roles and responsibilities of Civil & System Contractor while executing such works."
22.	2	3	751	3.2.5 (2)(j)(iii)	Evaluators	<b>Replace the first sentence of the Para with the following:</b> "Spare cards fully programmed with site specific Application/Configuration data shall be provided at each site."
23.	2	3	753	3.2.6 (2)(b)	Points and Points Machine, Technical requirements	<b>Add the following at the end of the Para:</b> "Suitable means of communication between the Station Master and the Location Boxes housing Crank handle keys shall be provided by the Contractor, with the approval of the Engineer."
24.	4	-	-	1.4 (A)	Indicative yard Plans and other drawings	<b>Replace the existing</b> "New Boraki Yard Plan No. "DFC/MTC/BORAKI-DADRI CONNECTIVITY" with "New Boraki yard Plan No. NCR/HQ/E/Plan No./ALD/13-2017 (DFC)".
25.	2	1	328	12.13.3	Operational Safety Case	<b>Delete sub clause 12.13.3 (4) System Operating Plan</b>  <b>Replace the content of sub clause 12.13.3 (3) with the following:</b>  "System Operating Safety Procedures"
26.	2	2	585	14.2	Reliability Requirements	<b>Add the following at the end of the sentence after "(MTBSAF)", under 'Reliability requirements sub point (1)':</b>  "/Mean Time Between Failures (MTBF)."
27.	2	2	588	14.3	Availability	<b>Delete sub clause 14.3 (7)</b>

S. No.	Part No.	Vol. No.	Page No.	Clause No.	Item	Addendum/Amendment to Bid Documents							
28.	2	2	600	14.5.13	System Assurance Submissions, Deliverable documents	<b>Replace S. No. 13 of the table with the following:</b>							
						S. No.	Document Description	Plan Development Stage			Remarks		
								Design Stage		Manufacture/Construction/Installation		Testing/Trial Run Stage	Warranty Stage
						PRELIM	FINAL						
						13	Operational Safety Case	P			U		Second report shall be submitted within 28 days after the completion of safety validation test.