

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LIMITED

(A Government of India Enterprise)

ADDENDUM NO. 2, DATED 12.12.2012**ADDENDUM /AMENDMENTS TO THE BID DOCUMENT FOR****SYSTEM WORKS CONTRACT PACKAGE****NCB No.: HQ/SYS/DB/NKWD-DGO**

SN	Part	Section	Volume	Page No.	Item	Clause	Amendment/ Addendum
1	1	I	-	9	Bid Security	3.1 / xii	Existing para replaced as under: "Normally Bid Security shall be submitted only in the name of JV firm and not in the name of constituent member. However, Bid Security in the name of Lead Member will be acceptable subject to giving written confirmation from JV members to the effect, that Bid Security by Lead Member may be deemed as Bid Security submitted by JV Firm."
2	1	II	-	27	Bid submission date	19.1	Date of submission is changed from 14.12.2012 to 11.01.2013.
3	1	II	-	27	Technical bid opening	21.1	Date of Technical bid opening is changed from 14.12.2012 to 11.01.2013.
4	2	V(A)	5	75	Spares, Special tools and Test equipment and M&P	25.0	Add the following at the end of Clause 25.0: "All spares, special tools and test equipment and M&P shall be consigned to the employer and delivered in accordance with the Engineer's instruction to a program which shall ensure that spares, special tools and test equipment and M&P are delivered to facilitate normal routine maintenance of the permanent works by the Employer at all stages of completion as defined in sub-clause 8.2 of Section-VII, Part-3".
5	2	V(A)	6	101	Appendices / Appendix-6: Quality Assurance	1.(3)	Replace "One Hundred and Nineteen" with "Sixty".
6	2	V(B)	7	6	Communication	1.3.3(j)	Replace "Channels" by "Optical Fibres" in 3 rd and 4 th line.

SN	Part	Section	Volume	Page No.	Item	Clause	Amendment/ Addendum
					System		
7	2	V(B)	7	10	Phased implementation of the works	1.3.15	New Clause 1.3.15 added as below: “The Contractor shall to the extent possible reuse material provided in Phase I for Completion of work. That material of Phase I which is not required at the end of Completion of work shall be released and taken away by the contractor.”
8	2	V(B)	7	16	Design Criteria	3.3.1	Delete “in hot standby configuration”.
9	2	V(B)	7	16	Design Criteria	3.3.8	New Clause 3.3.8 added as below. “Maximum Speed potential (Service speed) on Main line shall be 100 Kmph.”
10	2	V(B)	7	18	RAMS Demonstration	3.5.8	New Clause 3.5.8 added as below. “FRACAS shall be a computer based database system containing fields similar (but not limited) to 'Signal failure register' and facility to generate management reports as per requirement of the Engineer/Employer.”
11	2	V(B)	7	24	Train Detection system-General	5.2.1.14	Delete “in hot standby configuration”.
12	2	V(B)	7	27	Central Evaluator	5.2.3.7.1	Delete “If it is based on 2 out of 2 logic then hot standby shall be provided.”
13	2	V(B)	7	39	Misc.	5.6.5.10	New Clause 5.6.5.10 added as below. “The two track detection systems in Dual detection shall be on separate cables.”
14	2	V(B)	7	49	Location Box/Apparatus Case/Enclosures	5.10.8	New Clause 5.10.8 added as below. “Separate apparatus cases/location boxes shall be provided for signalling on Up and Down lines in auto section.”
15	2	V(B)	7	50	Inter Loking/Telecom Structures-Pre-fabricated Structures	5.11.3.10	New Clause 5.11.3.10 added as below: “The Pre-fabs housing Signalling equipment, Telecom equipment and Power supply equipment each shall be provided with Portable fire extinguisher(s) of adequate capacity to prevent Electrical fires and compliant to NFPA10.”

SN	Part	Section	Volume	Page No.	Item	Clause	Amendment/ Addendum								
16	2	V(B)	7	61	External Interface-Civil/Track Contractor	8.8	<p>New SN-16 is added to Table of Clause 8.8 as below:</p> <table border="1"> <thead> <tr> <th>S N</th> <th>Subject</th> <th>Civil/track contractor</th> <th>System Contractor</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>Station building & Equipment room</td> <td>Shall make ready Station building & Equipment room as and when required for use by System Contractor.</td> <td>Shall coordinate with Civil Contractor for requirement of Station building & Equipment room.</td> </tr> </tbody> </table>	S N	Subject	Civil/track contractor	System Contractor	16	Station building & Equipment room	Shall make ready Station building & Equipment room as and when required for use by System Contractor.	Shall coordinate with Civil Contractor for requirement of Station building & Equipment room.
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16	Station building & Equipment room	Shall make ready Station building & Equipment room as and when required for use by System Contractor.	Shall coordinate with Civil Contractor for requirement of Station building & Equipment room.												
17	2	V(B)	7	83	Contract Spares for Employer's operational and maintenance requirement	13.6.2.2	<p>Modified Clause 13.6.2.2 is as below:</p> <p>“The contractor shall submit list and quantities of each type of 'Contract Spares' at least 6 months before start of 'Defect liability period', based on approved tentative BOQ which shall be adjusted on approval of As-Built BOQ. The supply shall be completed by the start of 'Defect Liability period'. The Contract Spares for 'Phase I' shall be supplied by the end of Phase I works and the 'balance spares' by the end of 'Complete works'.”</p>								
18	2	V(B)	7	85	Special tools and test equipment	13.6.3.4	<p>Following is added at the end of Clause:</p> <p>“The supply of Special Tools & Test Equipments shall be completed by the start of Defect Liability period.” at the end of Clause.</p>								
19	2	V(B)	7	1	Gate working policy for Phase-I	Annexure -6	Replace “LC 38, 39 & 42” by “LC 38 & 39” in Para 1.2 of Annexures-6.								
20	2	V(B)	7	1-3	Model Rules For LCs Operation	Annexure -7	Replace ‘Annexure-7’ with ‘Annexure-7 (Rev.1)’ as attached.								

SN	Part	Section	Volume	Page No.	Item	Clause	Amendment/ Addendum											
21	2	V(B)	7	1	List of LC Gates	Annexure 8	SN 6 of Table at Annexure-8 is revised as below: <table border="1"> <thead> <tr> <th>SN</th> <th>Phase-I</th> <th>Phase-II</th> </tr> </thead> <tbody> <tr> <td></td> <td>To be provided with ELB</td> <td>To be Interlocked</td> <td>To be Interlocked</td> </tr> <tr> <td>6</td> <td>Deleted</td> <td>Deleted</td> <td>Deleted</td> </tr> </tbody> </table>	SN	Phase-I	Phase-II		To be provided with ELB	To be Interlocked	To be Interlocked	6	Deleted	Deleted	Deleted
SN	Phase-I	Phase-II																
	To be provided with ELB	To be Interlocked	To be Interlocked															
6	Deleted	Deleted	Deleted															
22	2	V(B)	8	4 & 5	Contract Spares	Annexure -4	SN-17 and SN-56 of the Table under Clause 7.3.12 is revised as below: <table border="1"> <thead> <tr> <th>SN</th> <th>Item</th> <th>Total Quantity</th> </tr> </thead> <tbody> <tr> <td>17</td> <td>Deleted</td> <td>Deleted</td> </tr> <tr> <td>56</td> <td>Portable Emergency Telephone Set</td> <td>50 Nos.</td> </tr> </tbody> </table>	SN	Item	Total Quantity	17	Deleted	Deleted	56	Portable Emergency Telephone Set	50 Nos.		
SN	Item	Total Quantity																
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56	Portable Emergency Telephone Set	50 Nos.																
23	2	V(B)	8	21	SDH Network	5.3.4.5	Replace “Control/Processor Card” by “Control/Processor Card (if its failure results in affecting traffic)” in 1 st Line.											
24	2	V(B)	8	32	Data Networking System-System Requirements	6.3.4	Delete “Hot Standby Router Protocol (HSRP)” in 2 nd & 3 rd Line.											
25	2	V(B)	8	38	Telephone System- System Requirement	7.3.12	SN-5 and SN-8 of the Table under Clause 7.3.12 is revised as below: <table border="1"> <thead> <tr> <th>S.N</th> <th>Description of Item</th> <th>Numbers</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>Deleted</td> <td>Deleted</td> </tr> <tr> <td>8</td> <td>EI/PRI for DID lines</td> <td>1</td> </tr> </tbody> </table>	S.N	Description of Item	Numbers	5	Deleted	Deleted	8	EI/PRI for DID lines	1		
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26	2	V(B)	8	40	EPABX Switch Specifications	7.5.2.2 (2)	Replace contents of clause 7.5.2.2 (2) as below: "shall connect long distance subscriber lines upto 10 Km. on PIJF Telephone Cable; and"
27	2	V(B)	8	89	Spares- Contract Spares for Employer's Operational & Maintenance Requirement	17.1.3.1	Modified Clause 17.1.3.1 is as below: "The Contract Spares shall be as per the list specified in Annexure-4. The contractor shall submit list and quantities of each type of 'Contract Spares' at least 6 months before start of 'Defect liability period', based on approved tentative BOQ which shall be adjusted on approval of As-Built BOQ. The supply shall be completed by the start of 'Defect Liability period'. The Contract Spares for 'Phase I' shall be supplied by the end of Phase I works and the 'balance spares' by the end of 'Complete works'."
28	2	V(B)	8	90	Spares- Special Tools & Test Equipment	17.2.6	Add as below at the end of Clause: "The supply of Special Tools & Test Equipment shall be completed by the start of Defect Liability period."
29	2	V(B)	9	13	Services	3.4 f)	Delete "Assist in" from 3.4 (f).
30	3	VIII	-		Contract Forms - Contract Agreement	Article 4	Replace "540" by "810" in Line-4.
31	2	V(B)	9	24	Isolator	6.1.2.2	Delete "(motor operated)" from line "Single and Double Pole Isolators (motor operated)".
32	2	V(B)	9	28	Short Circuit Capacity	6.5.2	Replace "40" with "31.5" for Fault Current in kA for System Voltage of 132 kV and "12" by "6" for fault current in kA for 25 kV system voltage in table 6.5.2 - 1 Design Short Circuit Levels..
33	2	V(B)	9	33	Design Criteria and Performance Specification-	7.1.3	Add following below table 7.1.3-1 : "TSS at Durgauti (IR Chainage 564.97)and at Ismailpur (IR Chainage 498.06) have been planned with single traction transformer for feed extension in future."

SN	Part	Section	Volume	Page No.	Item	Clause	Amendment/ Addendum
					Traction Power System		
34	2	V(B)	9	46	AEC & BEC	8.8.5.2	Replace "400 milli seconds" by "300 milli seconds" in 4th line.
35	2	V(B)	9	48	Dropper	8.9.13.1	Replace "bronze strands" by "solid copper wire as per IS 282-1982 of minimum dia 5 mm" in line 1 and delete "bronze" in line 3.
36	2	V(B)	9	50	Foundations	8.15.2	Replace "M15" in line 3 by "M10" and "M20" in line 5 by "M15".
37	2	V(B)	9	109	Concept plan for Non Traction Supply	-	Replace Attachment 13.1 by Attachment 13.1 (Rev.1) as enclosed.
38	2	V(B)	9	127	Sectioning Diagram	Appendix -A	Replace Appendix -A with Appendix-A (Rev.1) as enclosed.
39	2	V(B)	9	145 to 151	Supply of spares, tools and measuring instruments.	19	<p>1. New clause 19.1.2 added as under: "19.1.2 Spares as per Table 19.2.1-1, 19.2.2-1, 19.2.2-2, 19.2.2-3 & 19.2.2-4 shall be supplied on the completion of Milestone 1 (as per sub-clause 8.2 of Section VII, Part 3)."</p> <p>2. Modify as below -</p> <p>(1) Insert "*" at the end of the description for item Nos. from 1 to 22, delete item Nos.54 and 64 and add additional item no. 70 "All types of traction bonds with fastners:100 each" in table 19.2.1-1.</p> <p>(2) Replace description of item No.11 with "current transformer 25 kV*" and description of item no.12 with "current transformer 132 kV* in table 19.2.1-2"</p> <p>(3) Replace description of item no.3 with "PULL LIFT 1.5 T/3 T" and add additional item no. 47 as "OLIVER-G as per RDSO Specification No.</p>

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							TI/SPC/OHE/OLIVER/0050 (01/06)" in Table No. 19.2.2-1. (4) Delete item no.7 & 8 in table 19.2.2-2. (5) Replace description of item no.25 with "clip on tong tester (0 -100 Amps, 0-500V)." and delete item nos.37, 38, 39 & 45 and replace "Oil Testing Kit" with "Fully Automatic BDV Oil Tester along with 6 nos. SS sampling bottles" for item no. 32 in table 19.2.2-3.															
40	2	V(B)	9	200	Interface matrix - for non-traction power supply system.	Annexure XI	Delete item no.4 (e).															
41	4	Site Data	Yard Plans	-	Reference Documents	-	Existing Yard Plan of 'Proposed junction arrangement at Sasaram Station' is replaced with new approved Plan (CE's DRG No.-Y-84-2012).															
42	4	Site Data	Yard Plans	-	Reference Documents	-	<p>Modify Site Data (b) as below: Replace "Yard Plan" by "Yard Plans and Station Building". In Table for 'Site Data (b)', SN 2 is revised and new SN 6 added as below:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Station Name</th> <th>Railway Km/Chainage</th> <th>Drawing No.</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>SASARAM</td> <td>572.640</td> <td>CE's DRG No.-Y-84-2012</td> <td>Junction arrangement at Sasaram station</td> </tr> <tr> <td>6</td> <td>Station building</td> <td>-</td> <td>DFCC/MGS-SON/SB-29/2012 Status: 'D'</td> <td>-</td> </tr> </tbody> </table>	S. No.	Station Name	Railway Km/Chainage	Drawing No.	Remarks	2	SASARAM	572.640	CE's DRG No.-Y-84-2012	Junction arrangement at Sasaram station	6	Station building	-	DFCC/MGS-SON/SB-29/2012 Status: 'D'	-
S. No.	Station Name	Railway Km/Chainage	Drawing No.	Remarks																		
2	SASARAM	572.640	CE's DRG No.-Y-84-2012	Junction arrangement at Sasaram station																		
6	Station building	-	DFCC/MGS-SON/SB-29/2012 Status: 'D'	-																		

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43	5	Price Schedule	-	11	Price Schedule C2 (Electrical Works) Weightage for Interim Stage Payments for Cost Centre for OHE Works	C2.4 & C2.8	(1) Replace "11%" by "17%" in sub cost centre C2.4 (2) Replace "ATs" by Auxiliary Transformers in sub-cost centres C 2.8
44	5	Price Schedule	-	16, 18 & 19	Price Schedule C5, C6 and C7(Electrical Works) Weightage for Interim Stage Payments for Cost Centre for Traction Sub-station, Sectioning posts and Sub-section posts.	C5.2, C6.1 & C7.1	Replace "ATs" by Auto Transformers in sub-cost centres C 5.2, C 6.1 and C 7.1
45	5	Price Schedule	-	24	Price Schedule C11 (Electrical Works) Weightage for Supply of T&P, M&P and Spares	C11.4	Replace contents of Column 4 & 5 of sub cost centre as below: "(a) Supply of Tower Wagon (8 wheeler) as per RDSO Specification - 45%" "(b) Commissioning of Tower Wagon at rated speed - 5%"

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46	2	V(B)	9	106	Fire Detection and Alarm System	13.16.2	Delete Para 3) of 13.16.2.
47	2	V(B)	9	11	Scope	3.3.1	Add following at the end of Para 3.3.1 b): “NOTE-The Contractor shall to the extent possible reuse material provided in Phase I for Completion of work. That material of Phase I which is not required at the end of Completion of work shall be released and taken away by the contractor.”