

Dedicated Freight Corridor Corporation of India Limited

(A Government of India Enterprise)

Addendum No. 4 dated **24-05-2018**

Addendum/Amendments to the Bidding Documents for

Design, Manufacturing, Supply, Testing, Commissioning and Training of Plant and Equipment for Railway Track and Electric Over Head Equipment (OHE) on Dadri-Rewari-JNPT Network of Western Dedicated Freight Corridor

PLANT AND EQUIPMENT WORKS

PACKAGE – 6

Ref.: ICB NO. PE P-6

The deletion from the earlier text of the Bid Document are indicated as strikethroughs and additions are underlined, unless specified otherwise in any of the addendum.

Sl. No.	Vol	Section	Page No.	Clause/Para No.	Item	Proposed amendments in the Bidding Documents									
1	I	Section 5	102/172	Part II: Part A: Appendix to Bid	Sl. No. 14 of Table 1: Definition of Section and Time for Completion	<u>Replace Sl. No. 14 of Table 1: Definition of Section and Time for Completion</u>									
Table 1: Definition of Sections and Time for Completion															
		S.No.		Plant and Equipment to be provided		Unit		Reference Sections of Particular Technical Specifications		Definition of Section in respect to GC sub-clause 1.1.5.6 (Quantities of Plant and Equipment to be Procured under each Section)					
										Section A	Section B	Section C	Section D	Section E	Total No. to be provided
				Time for completion from Commencement Date (Sub-Clause 1.1.3.3)						21-27 M	27-33 M	36-42 M	42-48 M	48-54 M	
		14		Rail cum Road Multi Utility Vehicle with MMU Equipment		Each		9.5.1		6	6	X	X	X	12

Sl. No.	Vol	Section	Page No.	Clause/Para No.	Item	Proposed amendments in the Bidding Documents																										
2	I	Section 6	148/172	Schedule 4.14	Schedule 4.14	<u>Replace the entire table of Schedule 4.14 as under</u>																										
						<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="7" style="text-align: center;">Schedule 4.14 Basis of Payment for Interim Payments of Rail cum Road Multi Utility Vehicle with MMU Equipment</th> </tr> <tr> <th>Cost Centre</th> <th></th> <th>Item of Work</th> <th>Item No.</th> <th>Weightage %</th> <th>Cost (% of the Contract Price)</th> <th>Payment Procedure</th> </tr> </thead> <tbody> <tr> <td rowspan="2" style="text-align: center;">Rail cum Road Multi Utility Vehicle with MMU Equipment</td> <td style="text-align: center;">Section A</td> <td>(a) Supply, commissioning & Acceptance Test of 1 (one) number (b) Supply and commissioning of 5 (five) numbers of Rail cum Road Multi Utility Vehicle with MMU Equipment</td> <td style="text-align: center;">4.14.1</td> <td style="text-align: center;">50</td> <td rowspan="3" style="text-align: center; vertical-align: middle;">The percentages of the Accepted Contract Amount shall be proposed by the Contractor, consented by the Engineer and approved by the Employer</td> <td style="text-align: center;">On issue of Employer's Taking Over Certificate</td> </tr> <tr> <td style="text-align: center;">Section B</td> <td>Supply & Commissioning of 6 Nos. Rail cum Road Multi Utility Vehicle with MMU Equipment</td> <td style="text-align: center;">4.14.2</td> <td style="text-align: center;">50</td> <td style="text-align: center;">On issue of Employer's Taking Over Certificate</td> </tr> <tr> <td colspan="3"></td> <td style="text-align: center;">Total</td> <td style="text-align: center;">100</td> <td></td> </tr> </tbody> </table>	Schedule 4.14 Basis of Payment for Interim Payments of Rail cum Road Multi Utility Vehicle with MMU Equipment							Cost Centre		Item of Work	Item No.	Weightage %	Cost (% of the Contract Price)	Payment Procedure	Rail cum Road Multi Utility Vehicle with MMU Equipment	Section A	(a) Supply, commissioning & Acceptance Test of 1 (one) number (b) Supply and commissioning of 5 (five) numbers of Rail cum Road Multi Utility Vehicle with MMU Equipment	4.14.1	50	The percentages of the Accepted Contract Amount shall be proposed by the Contractor, consented by the Engineer and approved by the Employer	On issue of Employer's Taking Over Certificate	Section B	Supply & Commissioning of 6 Nos. Rail cum Road Multi Utility Vehicle with MMU Equipment	4.14.2	50	On issue of Employer's Taking Over Certificate
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3	II	Section 9	2,3&6/223	Clause 2 c), 2.2 and 3.1	Schedule of Requirement	<u>Replace Sl. No. 14 of the Tables in all the sub-clauses as under:</u>																										

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<p>Clause 2 Schedule of Requirement Sub-clause (c)</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>S. No.</th> <th>Descriptions</th> <th>Key Machine(KM) or Other Machine (OM)</th> <th>Qua</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> </tr> <tr> <td style="text-align: center;">14</td> <td>Rail cum Road Multi Utility Vehicle with MMU Equipment</td> <td style="text-align: center;">OM</td> <td style="text-align: center;">12</td> </tr> </tbody> </table> <p style="text-align: center;">Sub-clauses 2.2</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Sl. No.</th> <th>Specification Section No.</th> <th>Description</th> <th>Qty.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">14</td> <td style="text-align: center;">9.5.1</td> <td>Rail cum Road Multi Utility Vehicle with MMU_ equipment</td> <td style="text-align: center;">12</td> </tr> </tbody> </table> <p style="text-align: center;">Clause 3. Definition of Section and Time for Completion</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th rowspan="2">Sl. N</th> <th rowspan="2">Plant and Equipment with Unit</th> <th rowspan="2">Reference Specification</th> <th colspan="5">Definition of Section (Quantities of Plant and Equipment to be Procured under each Section)</th> <th rowspan="2">Total</th> </tr> <tr> <th>Section A</th> <th>Section B</th> <th>Section C</th> <th>Section D</th> <th>Section E</th> </tr> </thead> <tbody> <tr> <td colspan="3">Time for Completion of Section (in months)</td> <td style="text-align: center;">21-27 M</td> <td style="text-align: center;">27-33</td> <td style="text-align: center;">36-42 M</td> <td style="text-align: center;">42-48 M</td> <td style="text-align: center;">48-54 M</td> <td></td> </tr> <tr> <td style="text-align: center;">14</td> <td>Rail cum Road Multi Utility Vehicle with MMU Equipment each</td> <td style="text-align: center;">9.5.1</td> <td style="text-align: center;">6</td> <td style="text-align: center;">6</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">12</td> </tr> </tbody> </table>							S. No.	Descriptions	Key Machine(KM) or Other Machine (OM)	Qua	1	2	3	4	14	Rail cum Road Multi Utility Vehicle with MMU Equipment	OM	12	Sl. No.	Specification Section No.	Description	Qty.	14	9.5.1	Rail cum Road Multi Utility Vehicle with MMU_ equipment	12	Sl. N	Plant and Equipment with Unit	Reference Specification	Definition of Section (Quantities of Plant and Equipment to be Procured under each Section)					Total	Section A	Section B	Section C	Section D	Section E	Time for Completion of Section (in months)			21-27 M	27-33	36-42 M	42-48 M	48-54 M		14	Rail cum Road Multi Utility Vehicle with MMU Equipment each	9.5.1	6	6	X	X	X	12
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4	II	Section 9	Any Page	Any Clause	Change of the quantity of the P&E	Replace the quantity of this P&E 'Rail cum Road Multi Utility Vehicle with MMU equipment' from 4 (four) nos. to 12 (twelve) nos.																																																				

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5	II	Section 9.5.1	170/223	Clause 2		Delete clause 2 of Section 9.5.1
6	II	Section 9.5.1	170/223	Sub-clause 3.1	Objective of the Multi-utility Vehicle	Replace sub-clause 3.1 as under: There are 12 (twelve) numbers of MUV under procurement and will be based at IMD/SIMD. The based IMD/SIMD shall be decided depending on maintenance strategy adopted for WDFC. Each of the P&E shall be equipped with tools in accordance with clause no. 4 below and BDE for attention of breakdown/derailments in accordance with clause 5 below.
7	II	Section 9.5.1	170/223	Sub-clause 3.2		Delete last sentence of the clause 3.2 starting from 'The Bidder' and ending at 'approval stage'
8	II	Section 9.5.1	172/223	Sub-clause 5.1		Replace 'Employer' with 'Engineer' in the last paragraph of the clause 5.1.
9	II	Section 9.5.1	170/223	Clause 5	Objective of the Multi-utility Vehicle	Replace clause 5 as under: The Hydraulic re-railing equipment, hydraulic rescue device and firefighting equipment named herewith as Break Down Equipment (the 'BDE') shall be in accordance with the specification as given in Annexure 1, 2 and 3 attached at the end of this Section for equipping on each of such vehicle.
10	II	Section 9.5.1	172/223	Clause 6	General Specification of the Vehicle	Replace the clause 6 along with sub-clause 6(a) to 6(j) along with Sl. No. 37 of Amendment No. 1 as under: The general specification of the Vehicle and equipment shall be finalized during design review stage which meets the requirement in accordance with sub-clause 6.2 below.

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11	II	Section 9.5.1	172/223	Sub-Clause 6.2	Objective of the Multi-utility Vehicle	<p><u>Replace sub-clause 6.2 as under:</u></p> <p>The vehicle is equipped with hydraulic rerailling, rescue device and firefighting equipment (BDE), and therefore, shall require ergonomically designed layout and utilization of space involving easiness in removal, securing, usage and handling of the BDE in accordance with clause 5 and tools in accordance with clause 4 above. The Contractor shall design the vehicle for BHP/Torque/Size/suspension etc. as per the requirement of movement on rail and road so as to ensure ease in transfer from rail to road and vice versa and ensuring rail movement at a maximum speed of 50 kmph in accordance with clause 12 of section 9.5.</p>
12	II	9.4	118/223	Sub-clause 5.9	Sl. No. 39 of Amendment No. 1	<p><u>Replace Sl. No. 39 of Amendment No. 1 as under</u></p> <p><u>Replace sub-clause 5.9 as under:</u></p> <p>The structure shall withstand end buffing load as under: <u>Rail Bound Mobile Vehicle for Civil Engineering works with MMU Equipment and Bridge Inspection Vehicle (Section 9.4.1 and 9.4.3):</u></p> <ul style="list-style-type: none"> (a) Uniformly distributed vertical load of 3t/m. The weight of the various equipment mounted on the P&E shall be considered as concentrated load and shall be simulated as such during load/strain testing; (b) A horizontal squeeze load of 102t applied at buffers; and (c) A combination of loads specified at (a) and (b) above. <p><u>Tower Wagon 8-wheeler (Section 9.4.2):</u></p> <ul style="list-style-type: none"> (a) Uniformly distributed vertical load of 4t/m run uniformly distributed. The weight of the various equipment mounted on the P&E shall be

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						<p>considered as concentrated load and shall be simulated as such during load/strain testing.</p> <p>(b) A horizontal squeeze load of 100 t applied at each buffer; and</p> <p>(c) A combination of loads specified at (a) and (b) above.</p>
13	II	9.4	147/223	Sub-clause 2.5		<p><u>Modify the sub-clause 2.5 as under:</u></p> <p>The fatigue life assessment of the body structure shall be carried out using the proven standard technique and shall be submitted by the bidder <u>during design review stage.</u></p>