

Tender No. N1TR03/2016

Name of the work: DESIGN, SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 25KV FLEXIBLE OHE AND SECTIONING POSTS FOR NAGPUR METRO RAIL PROJECT.

Corrigendum -V

Date: 03.11.2016

Tender No.(As Uploaded in the e-tender portal) 52

Part A	Extension of Bid submission date
Part B	Addendum



General Manager
(Procurement)
NMRCL, Nagpur

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Corrigendum -V (Part A)

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Event	Date as per corrigendum-IV of Bid Document	Revised Dates
Last Date of Submission of bids.	Till 16:00 hrs, dt.07.11.2016.	Till 16:00 hrs, dt.25.11.2016
Date of Opening of Bids.	At 16:30 hrs, dt.07.11.2016	At 16:30 hrs, dt.25.11.2016



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Corrigendum – 5, Part - B (Addendum)

SN	Part No.	Section	Clause ref.	Existing description	Replaced with																																																
1.	Part 1	Section III	3.2 Average Annual Construction Turnover: Column 'Requirement'	<p>Average Annual Construction Turnover</p> <p>Minimum average annual construction turnover of INR 800 million (or US\$ 12.5 million), calculated as total certified payments received for contracts in progress and/or completed within the last 5 [five] years, divided by 5 [five]</p> <p>Notes: <i>All Members put together should meet the minimum requirement as per their percentage participation.</i></p> <p><i>Example: Let Member-1 has percentage participation = M and Member-2 has =N. Let the average annual turnover of Member-1 is 'A' and that of Member-2 is 'B', then the average annual turnover of JV / Consortium will be</i></p> <p align="center">$= (AM+BN) / 100$</p>	<p>Average Annual Construction Turnover</p> <p>Minimum average annual construction turnover of INR 800 million (or US\$ 12.5 million), calculated as total certified payments received for contracts in progress and/or completed within the last 5 [five] years, divided by 5 [five]</p>																																																
2.	Part 1	Section IV, Bidding Forms	Appendix 4.4-C	<p>Proposals for Equipment / Systems</p> <p>Item 11: Batteries Item 12: Battery Chargers Item 19: UPS</p>	<p>These items 11, 12 and 19 deleted</p>																																																
3.	Part 1	Section IV, Bidding Forms	Appendix 4.4-D	<p>Proposals for Construction Machinery</p> <table border="1"> <thead> <tr> <th>SN</th> <th>Construction Machinery</th> <th>Minimum Requirements (nos.)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>1.</td> <td>JCB</td> <td>2</td> </tr> <tr> <td>2.</td> <td>20 Ton Crane</td> <td>5</td> </tr> <tr> <td>3.</td> <td>Rail Cum Road Vehicle / Tower Wagon / Wiring Train</td> <td>3</td> </tr> <tr> <td>4.</td> <td>Concrete Mixing Plant</td> <td>2</td> </tr> <tr> <td>5.</td> <td>Cube Testing Machine</td> <td>2</td> </tr> <tr> <td>6.</td> <td>Trucks</td> <td>5</td> </tr> </tbody> </table>	SN	Construction Machinery	Minimum Requirements (nos.)	1	2	3	1.	JCB	2	2.	20 Ton Crane	5	3.	Rail Cum Road Vehicle / Tower Wagon / Wiring Train	3	4.	Concrete Mixing Plant	2	5.	Cube Testing Machine	2	6.	Trucks	5	<p>Appendix 4.4-D: Proposals for Construction Machinery</p> <table border="1"> <thead> <tr> <th>SN</th> <th>Construction Machinery</th> <th>Minimum Requirements (nos.)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>1.</td> <td>JCB</td> <td>1</td> </tr> <tr> <td>2.</td> <td>20 Ton Crane</td> <td>1</td> </tr> <tr> <td>3.</td> <td>Rail Cum Road Vehicle / Tower Wagon / Wiring Train</td> <td>2</td> </tr> <tr> <td>4.</td> <td>Concrete Mixing Plant</td> <td>1</td> </tr> <tr> <td>5.</td> <td>Cube Testing Machine</td> <td>1</td> </tr> <tr> <td>6.</td> <td>Trucks</td> <td>2</td> </tr> </tbody> </table>	SN	Construction Machinery	Minimum Requirements (nos.)	1	2	3	1.	JCB	1	2.	20 Ton Crane	1	3.	Rail Cum Road Vehicle / Tower Wagon / Wiring Train	2	4.	Concrete Mixing Plant	1	5.	Cube Testing Machine	1	6.	Trucks	2
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6.	Part 1	Pricing Document	2.6	New note added at the bottom	The PVC shall also be applicable in foreign currency (based on LME) in case of item No.2 Appendix-J only.																																																																																																																																																
7.	Part 2	Works Requirement; Section VII-B	7.2.11	Modular Cantilever System (MCS) shall be generally as per RDSO Specification no. TI/SPC/OHE/MCS/0150 (08/2015) with tubes of "Hot dip galvanized steel" for mainlines and test tracks in depot. For other tracks in depot, conventional proven cantilever arrangement may be provided.	Modular Cantilever System (MCS) shall be generally as per RDSO Specification no. TI/SPC/OHE/MCS/0150 (08/2015) for mainlines and test tracks in depot. Tubes of "Hot dip galvanized steel" will also be acceptable subject to the modular cantilever system otherwise meeting all specified requirements. For other tracks in depot, conventional proven cantilever arrangement may be provided.																																																																																																																																																

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8.	Part 2	Works Requirement; Section VII-B	7.4.4.3 (b) & (f)	(b) The aluminium cross-section is 2200 mm ² (f) The horizontal inertia moment is 338.14 cm ⁴	(b) The aluminium cross-section shall not be less than 2200 mm ² (f) The horizontal inertia moment is 338.04 cm ⁴
9.	Part 2	Works Requirement; Section VII-B	7.4.4.11	Earth rod support: An earth rod support shall be installed approximately at every 20 metres which is fixed on the aluminium profile by means of a clip flange.	Earth rod support: An earth rod support shall be installed approximately at both ends which is fixed on the aluminium profile by means of a clip flange.
10.	Part 2	Works Requirement; Section VII-B	7.7.2	<p>The insulating material, to be wrapped around the conductor, shall have innermost layer to be semi-conducting. The insulating material shall be 3M Scotch 130C or equivalent.</p> <p>High voltage liner less EPR tape with insulating value of 750 V/mil (as per ASTM D-4325) and emergency load temperature of 130 degrees (as per ASTM D-4388) to be used with 50% overlap and at 45 degrees wrapping.</p> <p>Shelf life of the product shall be not less than 5 years from date of manufacturing.</p> <p>3M profile cut high voltage CCI tube shall be used over the EPR tape. 3M CCI tubing is a profile cut grey pure silicon tube nearly 4.6 mm thick. This shall have a dielectric strength of 235V/mil and shelf life of not less than 5 years from date of manufacturing.</p> <p>Method of installation</p> <ul style="list-style-type: none"> • First clean all conductors • Use a high voltage protection liner less rubber tape 130c • Than use 3M silicon profile cut sleeve on top of the insulation • Install and fix with 3M UV resistant tie at every feet 	<p>The insulating material for Catenary wire shall generally follow 3M Insulation scheme with 1 Layer of Scotch13, 6 layers of scotch 23 and 2 layers of scotch 33. Entire scheme is to be used with 50% overlap only and moderate stretch.</p>

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11.	Part 2	Works Requirement; Section VII-B	Appendix B, Table under 4.1, Item 9 & 20	Item 9: Type of mechanism: Spring Item 20: Insulation material: Composite	Item 9: Type of mechanism: Spring OR Magnetic Actuator																														
12.	Part 2	Works Requirement; Section VII-B	Chapter 11, Item 7, 20 & 21 (Spares) of Table 11.2	<p>Table 11.2: OHE Emergency Material (T&P) and Spares to be kept in CMVs & Emergency Road Vehicle</p> <table border="1"> <thead> <tr> <th>SN</th> <th>Item (T&P and Spares)</th> <th>Spares</th> <th>Quantity</th> <th>As per ACTM</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>Hybrid insulator, stay tube</td> <td></td> <td>2</td> <td></td> </tr> <tr> <td>21</td> <td>Hybrid insulator, BT</td> <td></td> <td>2</td> <td></td> </tr> </tbody> </table>	SN	Item (T&P and Spares)	Spares	Quantity	As per ACTM	20	Hybrid insulator, stay tube		2		21	Hybrid insulator, BT		2		<p>Item 20: Insulation material: Composite / Ceramic</p> <p>Table 11.2: OHE Emergency Material (T&P) and Spares to be kept in CMVs & Emergency Road Vehicle</p> <table border="1"> <thead> <tr> <th>SN</th> <th>Item (T&P and Spares)</th> <th>Spares</th> <th>Quantity</th> <th>As per ACTM</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>Hybrid / composite insulator, stay tube</td> <td></td> <td>2</td> <td></td> </tr> <tr> <td>21</td> <td>Hybrid / composite insulator, BT</td> <td></td> <td>2</td> <td></td> </tr> </tbody> </table>	SN	Item (T&P and Spares)	Spares	Quantity	As per ACTM	20	Hybrid / composite insulator, stay tube		2		21	Hybrid / composite insulator, BT		2	
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13.	Part 3	Particular Conditions: Section-IX	Sub-clause 4.2A	A note added at the bottom	<p>Note: In lieu of the above Parent Company Guarantee and Parent Company Undertaking, a letter of comfort from Parent Company, which duly covers all the deliverables & requirements in appropriate form, may be acceptable to NMRCL.</p>																														

Aditya

23. Declaration of Undertaking

(To be submitted on Bidder's Letterhead)

We underscore the importance of a free, fair and competitive procurement process that precludes abusive practices. In this respect we have neither offered nor granted directly or indirectly any inadmissible advantages to any public servant or other person nor accepted such advantages in connection with our bid, nor will we offer or grant or accept any such incentives or conditions in the present procurement process or, in the event that we are awarded the contract, in the subsequent execution of the contract. We also declare that no conflict of interest exists in the meaning of the kind described in the corresponding Guidelines⁶. We also underscore the importance of adhering to minimum social standards ("Core Labour Standards") in the implementation of the project. We undertake to comply with the Core Labour Standards ratified by the country of @ (name of country). We will inform our staff about their respective obligations and about their obligation to fulfil this declaration of undertaking and to obey the laws of the country of @ (name of country). We also declare that our company/all members of the consortium has/have not been included in the list of sanctions of the United Nations, nor of the EU, nor of the German Government, nor in any other list of sanctions and affirm that our company/all members of the consortium will immediately inform the client and KfW if this situation should occur at a later stage.

We acknowledge that, in the event that our company (or a member of the consortium) is added to a list of sanctions that is legally binding on the client and/or KfW, the client is entitled to exclude our company/the consortium from the procurement procedure and, if the contract is awarded to our company/the consortium, to terminate the contract immediately if the statements made in the Declaration of Undertaking were objectively false or the reason for exclusion occurs after the Declaration of Undertaking has been issued.

..... (Place)..... (Date)
(Name of company)

(Signature(s))

6 See "Guidelines for the Assignment of Consultants in Financial Cooperation with Partner Countries" and "Guidelines for Procurement of Goods, Works and associated Services in Financial Cooperation with Partner Countries"

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We also underscore the importance of adhering to environmental and social standards in the implementation of the project. We undertake to comply with applicable labour laws and the Core Labour Standards of the International Labour Organization (ILO) as well as national and applicable international standards of environmental protection and health and safety standards.

We will inform our staff about their respective obligations and about their obligation to fulfil this declaration of undertaking and to obey the laws of the country of @ (name of country).

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