



MUMBAI METRO RAIL CORPORATION LIMITED (MMRC)
(Joint Venture of Govt. of India and Govt. of Maharashtra)
MMRCL Line 3 Transit Office, Wing 'A', 'E' Block, Bandra Kurla Complex,
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Invitation for Bids for "Design, Manufacture, Supply, Installation, Testing and Commissioning of Rescue Vehicle (Rail-cum-Road Vehicle with Re-Railing & Rescue Equipment) for Project Mumbai Metro Line-3

Date: [17th Oct 2019]

Loan Agreement Number: [ID-P 268]

IFB Number: [MM3-CBS-DEQ-9-04]

Addendum No. 1

Sr. No.	Bidding Documents Reference and Clause No.	Amendment
1	Part 1, Bidding Procedure, Section II Bid Data Sheet, 21.1	<p><u>Replace</u> The Bid Security amount shall be of INR 10,00,000/- (Indian Rupees Ten Lakhs only) or USD 14300/- (US Dollars Fourteen thousand three hundred only)</p> <p><u>With</u> The Bid Security amount shall be of INR 10,00,000/- (Indian Rupees Ten Lakhs only) or USD 14300/- (US Dollars Fourteen thousand three hundred only) or EURO 13,000/- (Euro Thirteen Thousand only)</p>
2	Part 2, Employer's Requirements, Section VI-B, Technical Specifications, 3.1 (d)	<p><u>Replace</u> (d) Provisions for Installation of Mobile Train Radio Equipment on board shall be planned by the contractor in interface with STPT (Signalling & Telecom) contractor. This Equipment will be operated at 110 V, the provision of which shall be provided by contractor.</p> <p><u>With</u> (d) Provision for facilities for Installation of Mobile Train Radio Equipment on board shall be planned by the Contractor in interface with STPT (Signaling & Telecom) Contractor. The Equipment Contractor shall plan for provision of suitable location of Radio Equipment having approx. dimensions (LxHxD) of "485 mm x 135 mm x 330 mm" and provide a power point at 110 V.</p>



Sr. No.	Bidding Documents Reference and Clause No.	Amendment
3	Part 2, Employer's Requirements, Section VI-B, Technical Specifications, 3.2.2	<p><u>Replace</u> Transmission: a) Synchromesh reversing transmission equipped with gear box inverter.</p> <p><u>With</u> Transmission: a) "Synchromesh reversing transmission equipped with gear box inverter or Fully synchronized forward/reverse automatic transmission"</p>
4	Part 2, Employer's Requirements, Section VI-B, Technical Specifications, 3.2.4, Chassis	<p><u>Replace</u> "(a) Wheel-base approx. 3600 to 3800 mm"</p> <p><u>With</u> "(a) Wheel-base approx. 3600 to 4200 mm"</p>
5	Part 2, Employer's Requirements, Section VI-B, Technical Specifications, 3.2.10	<p><u>Replace</u> <u>Accessories:</u> h) Engine number stamped into crankshaft housing,</p> <p><u>With</u> <u>Accessories:</u> h) Engine number stamped as per the Vehicle Registration requirements of RTO Authorities in India.</p>
6	Part 2, Employer's Requirements, Section VI-B, Technical Specifications, 3.2.15,	<p><u>Replace</u> "Superstructure a) Outer Dimensions: Length 2800 +/-200 mm"</p> <p><u>With</u> "Superstructure a) Outer Dimensions: Length 2800 +/-200 mm excluding Personnel Compartment & 4000+/-200 including Personnel compartment"</p>



Sr. No.	Bidding Documents Reference and Clause No.	Amendment
7	Part 2, Employer's Requirements, Section VI-B, Technical Specifications Clause 3.3	<p><u>Replace</u> 3.3 Specific Requirements of Re-railing and Rescue Equipment:</p> <p><u>With</u> 3.3 Specific Requirements of Re-railing and Rescue Equipment as given in Appendix A of Section VI-B (enclosed as attachment no 1 with this Addendum No 1).</p>
8	Part 2, Employer's Requirements, Section VI-B, Technical Specifications, 3.3.1 (a)	<p><u>Replace</u> “(a) Portable Petrol/Diesel engine about 5.0 kW, two stages, all hydraulic piston pumps capable of generating 300 -550 kg/cm² pressure with pressure bypass and maximum pressure valve shall be provided. Bypass valve should switch to idle position when jacks are not in operation.”</p> <p><u>With</u> “(a) Portable Petrol engine complying with BS IV or higher standard as mandated by Government of India, about 5.0 kW, two stages, all hydraulic piston pumps capable of generating 300 - 550 kg/cm² pressure with pressure bypass and maximum pressure valve shall be provided. Bypass valve should switch to idle position when jacks are not in operation.”</p>
9	Part 2, Employer's Requirements, Section VI-B, Technical Specifications, 3.3.1, (d)	<p><u>Replace</u> “(d) Power unit shall have telescopic extendable carrying handles for easy transportation even in rough areas.”</p> <p><u>With</u> “(d) Power unit shall have carrying handles to facilitate ease of storage and transportation, even in rough areas.”</p>
10	Part 2, Employer's Requirements, Section VI-B, Technical Specifications, 3.3.3, (d)	<p><u>Replace</u> Clause 3.3.3 (d) “Control valves shall be covered with a casing to prevent in-gress of dust, etc. from pump unit to get into the hydraulic system during lifting, lowering and traversing operation.”</p> <p><u>With</u> Clause 3.3.3 (d) Deleted</p>



Sr. No.	Bidding Documents Reference and Clause No.	Amendment
11	Part 2, Employer's Requirements, Section VI-B, Technical Specifications, 3.3.18	<p><u>Replace</u> “(a) Airbags of following size and capacity shall be supplied: i. Size (Approx.) : 600 x 650 – 650 x 0 mm, Lifting capacity : 270 - 320kN, Lifting height : 350 mm (b) Air bag of square/diamond shape sizes as stated above, or equivalent capacity circular shape air bags are acceptable.</p> <p><u>With</u> “(a) Airbags of following size and capacity shall be supplied: i. Size (Approx.) : 600 x 650 – 650 x 650 mm, Lifting capacity : 270 – 320 kN, Lifting height (Approx.): 350 mm (b) Air bag of square/diamond/rectangular shape sizes as stated above, or equivalent capacity circular shape air bags are acceptable.</p>
12	Part 1, Bidding Procedure, Section II, Bid Data Sheet, ITB 24.1	<p><u>Replace</u> “The deadline for Bid submission is: Date: 24/10/2019 Time: 3:00 PM”</p> <p><u>With</u> “The deadline for Bid submission is: Date: 14/11/2019 (Thursday) Time: 3:00 PM</p>



13	Part 1, Bidding Procedure, Section II, Bid Data Sheet, ITB 27.1	<p><u>Replace</u> “The Technical Bid opening shall take place at: Date: 24/10/2019 Time: 3.30 PM”</p> <p><u>With</u> “The Technical Bid opening shall take place at: Date: 14/11/2019 (Thursday) Time: 3:30 PM”</p>
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Place: Mumbai
Date: 17th Oct 2019



Sd/-
(Smt. Ashwini Bhide, IAS)
Managing Director, MMRC

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Appendix A to Section VI-B**Details of Quantities for Re-Railing & Rescue Equipment**

Sr.No.	Description of Item	Unit	Qty.
1	Power Pack	No.	2
2	Auxiliary hand pump	No.	1
3	Control console or Central Control Panel	No.	2
4	High pressure hose 10 m long with Quick connection coupling	No.	8
5	Low pressure hose 10 m long with Quick connection coupling	No.	3
6	Telescopic Jack with base plate, 60/30T capacity, maximum closed height 460 mm, minimum stroke 500 mm	No.	4
7	Telescopic Jack with base plate, 60/30T capacity, maximum closed height 250 mm, minimum stroke 185 mm	No.	2
8	Displacing / Duo Traversing Jacks, minimum 12T pushing / 6T pulling capacity, Maximum closed height 575 mm, minimum stroke 300 mm	No.	2
9	Re-railing bridge 3.30 m long, 140mm height	No.	1
10	Re-railing bridge 2.20 m long, 140mm height	No.	1
11	Re-railing bridge 1.10 m long, 140mm height	No.	1
12	Roller Carriage	No.	4
13	Bridge coupling	Set	2
14	Distance bars	Pair	2
15	Tilting jack 20 T Capacity	Set	2
16	Accessories		
a)	Lifting cable ladder	No.	2
b)	Holding rope	No.	2
c)	D-Shackles	No.	2
17	Single piston step jack with claw, 35T, 1030 mm height with Accessories	Set	2
18	Axle pusher	No.	2
19	Auxiliary Truck 25 T capacity	No.	1
20	Hauling device 25T capacity with Accessories	Set	1
21	Compressor, 230 lpm at10 bar	No.	1
22	Airbag Lifting Ht. (Approx) 350mm	No.	2
23	Airbag Lifting Ht. (Approx) 450mm	No.	2
24	Rescue device consisting of cutter, spreader		
i	Hydraulically operated Cutter, with high pressure hoses, pulling chains, etc.	No.	1
ii	Hydraulically operated Spreader with high pressure hoses, pulling chains, etc.	No.	1
iii	Power Pack for hydraulically operated Rescue devices	No.	1
25	Battery Operated Rescue devices	Set	1
26	Manually operated Light weight combination tool for cutting & spreading with integrated pump	No.	1
27	Portable inflatable emergency light	No.	2



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