

MUMBAI METRO RAIL CORPORATION LIMITED

Mumbai Metro Line-3 Project

IFB No: MM3-CBS-DEQ-9-04

Design, Manufacture, Supply, Installation, Testing & Commissioning of Rescue Vehicle (Rail cum Road

Response to Bidders' Queries (SET-2)

Sr. No.	Part No. & Section No.	Clause No.	Page No.	Bidding Document Clause Description	Bidder's Query /Clarification	MMRC Response
1	Part 2 Section VI-B	3.2.9 (b)	13 of 21	(b) Maximum Running speed on rails ≥ 40 kmph without load and ≥ 10 kmph with load (8-car train without passengers weighing approx. 340 tons) under standard conditions – straight, dry and levelled track.	Sir as per the requirement and response to bidders the Vehicle should have hauling capacity to haul 8 car train (Approximate 340 tons) at 2% gradient without wagon braking system, but technically this is not possible as the Rescue vehicle weights only 12/14 tons and using only vehicle brake system will have huge risk of accident when the vehicle will haul 8-car train at 2% gradient. In vice of above we suggest that you include wagon brake system as part of standard scope of supply or alternatively we suggest that you do the shunting in Depot only where there is no gradient.	Please refer Sr No 2 of Addendum No 2.
2	Part 2 Section VI-B	3.3.17	19 of 21	b)Pneumatic air compressor shall have displacement of at least 230 lpm and in-built air receiver capacity of at least 10 litres at minimum 10 bar pressure for inflating air bags. Compressor shall be provided along with electric motor, motor starter, control box for connecting and operating 2 airbags at a time and reinforced air hoses at-least 10 m long for connection between air compressor and the air - bags. c)Two set of hoses shall be supplied in different colour.	b) Pneumatic air compressor shall have displacement of at least 300 lpm and in-built air receiver capacity of at least 150 litres at 12 bar pressure for inflating air bags.Compressor shall be provided with electric motor . Control box for connecting and operating 2 airbags at a time and reinforced air hoses at-least 10 m long for connection between air compressor and the air - bags. c) Two set of hoses shall be supplied in different colour.	Please refer Sr No 5 of Addendum No 2.
3	Part 2 Section VI-B	3.3.18 (Refer Sr. No. 11 of Addendum No. 1 (Pg 4 of 5))	19 of 21, Part 2 Section VI-B	a)Airbags of following size and capacity shall be supplied: i.Size (Approx.): 600 x 650 – 650 x 650 mm, Lifting capacity : 270 - 320kN, Lifting height : 350 mm ii.Size (approx.): 900 x 900 – 950 x 950 mm, Lifting capacity: 670 - 700 kN, Lifting height : 500 mm b)Air bag of square/rectangle/diamond shape sizes as stated above, or equivalent capacity circular shape air bags are acceptable.	a) Airbags of following size and capacity shall be supplied: i. Size (Approx.) : 608 x 530 mm, Thickness:27 mm Lifting capacity : 270 - 320kN, Lifting height: 320 mm Quantity : 2 Nos. ii. Size (approx.) : 827 x 750 mm, Thickness:27 mm Lifting capacity: 600 - 700 kN, Lifting height: Min 450 mm Quantity : 2 Nos. b) Air bag of Square / Rectangular / diamond shape sizes as stated above, or equivalent capacity circular shape air baqs are acceptable?	Please refer Sr No 6 of Addendum No 2.



4	Part 2 Section VI-B	3.3.15 b)	19 of 21	Auxiliary truck shall consist of side sections with rollers and carrying handle, connecting tubes suitable for a 1,435 mm track gauge, rated carrying capacity 16 T (maximum capacity 25T) and the maximum towing speed 25 km per hour. The maximum weight for the whole auxiliary truck shall be 120 kg.	Kindly mention as maximum weight of single assembly shall not be more than 65 kilo. It agrees with human ergonomics when handled by two personnel. Maximum weight shall not exceed 250 kilos approx.	Please refer Sr No 4 of Addendum No 2.
5	Part 2 Section VI-B	3.3.7 b)	17 of 21	Re-Railing Bridges shall have carrying capacity of 60 T, 140 mm height and following dimensions: i. 3.30 m length, 140 mm height, 350 mm width ii. 2.20 m length, 140 mm height, 350 mm width iii. 1.10 m length, 140 mm height, 350 mm width	Kindly mention as minimum 140 mm height as against 140 mm mentioned. These specification requested is in line with RDSO / COFMOW & DMRC specs.	Please refer Sr No 3 of Addendum No 2.
6	Part 2 Section VI-B	3.3.19 (a)	19 of 21	a)Rescue devices shall comprise the following items: i.Hydraulically Operated Cutter ii.Hydraulically Operated Spreader	a) Rescue devices shall comprise the following items: i. Hydraulically Operated Cutter of Cutting Force: 550 kN (min), Weight 10 Kg (max). ii. Hydraulically Operated Spreader of Spreading Force: 275 kN (min), Weight 15 Kg (max).	Please refer Sr No 7 of Addendum No 2.
7	Part 2 Section VI-B	3.3.19 (c)	20 of 21	c)The hydraulically operated cutters and spreader shall be provided with a suitable capacity power pack of 4-stroke petrol engine for the use of rescue devices with a minimum operating pressure of 630 bar and weight shall not be more than 30 kg. As an alternative, Battery-operated rescue devices namely cutter and spreader along with a set of spare battery and battery charger to facilitate effective continuous operation of battery-operated rescue devices can be offered.	c) The hydraulically operated cutters and spreader shall be provided with a suitable capacity power pack of 4- stroke petrol engine capable of developing adequate hydraulic pressure and pulsation free flow to operate minimum two hydraulic rescue devices at a time at high pressure for performing rescue operations. The pump shall be two stage /three stage for low and high-pressure outputs. Working Pressure of 700Bar ± 3% and Weight shall not be more than 25 Kg. Kindly mention as Operating pressure 630 bar max As an alternative, Battery-Operated rescue devices namely cutter of Cutting Force: 550 kN (min), Weight 16 Kg (max including battery) and spreader of Spreading Force: 275 kN (min), Weight 21 Kg (max) along with a set of spare battery and battery charger to facilitate effective continuous operation of battery-operated rescue devices can be offered.	Please refer Sr No 8 of Addendum No 2.
9	Part 2 Section VI-B	3.3.20	20 of 21	Manually Operated Light Weight Combination Tool for Cutting and Spreading: A manually operated light-weight combination tool for cutting and spreading with integrated pump shall be supplied for emergency operation when hydraulic and/or battery-operated rescue equipment fails.	A manually operated light-weight combination tool of Cutting Force: 200 kN (min),Spreading Force: 45 kN (min) & Weight 10 Kg (max) for cutting and spreading with integrated pump shall be supplied for emergency operation when hydraulic and/or battery-operated rescue equipment fails.	Please refer Sr No 9 of Addendum No 2.
10	Part 1 Section III	1.1.1	1 of 13	The Eqpt Project Manager shall coordinate all activities including design, manufacture, inspection, delivery, installation, testing & commissioning and maintenance for the complete & satisfactory execution of the Contract on behalf of the Contractor. The Bidder shall provide details of the proposed personnel and their experience records in Bid Form 1: PER.	Equipment project Manager has to be deployed whenever required on site. He will not be permanently on site. Please confirm	Bid conditions prevail.



11	Part 1 Section III	(2.1.1, 2.1.2, 2.1.3) Historical Contract Non-Performing (2.2.1, 2.2.2 & 2.2.3) Financial Situation (2.3.1, 2.3.2, 2.3.3). Experience (2.4.1 & 2.4.2)	Evaluation and qualification criteria Eligibility criteria (2.1.1, 2.1.2, 2.1.3) Historical Contract Non-Performing (2.2.1, 2.2.2 & 2.2.3) Financial Situation (2.3.1, 2.3.2, 2.3.3). 2.4.1 General Experience- Experience under Contracts in the role of prime Contractor (single entity or JV member), Sub- Contractor or Management Contractor for at least the last five (5) years starting 1st January 2014. 2.4.2- Specific experience: A minimum number of four (04) Contracts for similar(i) Equipment (Design, Manufacture, Supply, Installation, Testing & Commissioning) that have been satisfactorily and substantially(ii) completed for Metro/ Railway/ MRT systems as a Prime Contractor or Sub-Contractor, viz, OEM (single entity or JV member) (iii) between 1st January 2009 and the latest Bid submission date. Out of the above, contract(s) for at least one Equipment shall have been completed outside the country of manufacture of the Equipment or in India. At least two (02) number of Equipment shall be in operation in Metro/ Railway/ MRT systems with satisfactory performance for a minimum period of 2 years after commissioning and supported by a performance certificate from the end-client. The Bidder shall attach the certificate from the client for satisfactory operation of the Equipment.	M/s ABC planned to participate along with M/s XYZ in JV. But as the time is very short and it takes a lot of time in XXX country for such legal works. So for this tender, M/s ABC can participate as Single entity with all technical support from M/s XYZ before and after sales and also authorisation by M/s XYZ in Bid Form 21 MAN. Please confirm.	Refer Sr No 1 of Addendum No 2. Bid conditions prevail.
12	Part 1 Section III	(2.1.1, 2.1.2, 2.1.3) Historical Contract Non-Performing (2.2.1, 2.2.2 & 2.2.3) Financial Situation (2.3.1, 2.3.2, 2.3.3). Experience (2.4.1 & 2.4.2)	Evaluation and qualification criteria Eligibility criteria (2.1.1, 2.1.2, 2.1.3) Historical Contract Non-Performing (2.2.1, 2.2.2 & 2.2.3) Financial Situation (2.3.1, 2.3.2, 2.3.3). 2.4.1 General Experience- Experience under Contracts in the role of prime Contractor (single entity or JV member), Sub- Contractor or Management Contractor for at least the last five (5) years starting 1st January 2014. 2.4.2- Specific experience A minimum number of four (04) Contracts for similar(i) Equipment (Design, Manufacture, Supply, Installation, Testing & Commissioning) that have been satisfactorily and substantially(ii) completed for Metro/Railway/MRT systems as a Prime Contractor or Sub-Contractor, viz, OEM (single entity or JV member) (iii) between 1st January 2009 and the latest Bid submission date. Out of the above, contract(s) for at least one Equipment shall have been completed outside the country of manufacture of the Equipment or in India. At least two (02) number of Equipment shall be in operation in Metro/Railway/MRT systems with satisfactory performance for a minimum period of 2 years after commissioning and supported by a performance certificate from the end-client. The Bidder shall attach the certificate from the client for satisfactory operation of the Equipment.	All financial experience and requirement(Eligibility (2.1.1, 2.1.2, 2.1.3) Historical Contract NonPerforming (2.2.1, 2.2.2 & 2.2.3) Financial Situation (2.3.1, 2.3.2, 2.3.3) is being met by M/s ABC and 2.4.1 General experience & 2.4.2 Specific Experience will be met by M/s XYZ. M/s ABC will be responsible to meet all tender requirements other than 2.4.1 & 2.4.2 of qualification criteria which will be met by details of M/s XYZ. So as per our understanding of clause 2.6.3 of subcontractors/ Manufacturing, we qualify the eligibility criteria and take part in tender. Request you to confirm.	Refer Sr No 1 of Addendum No 2. Bid conditions prevail.
13	General		Re- railing equipment	M/s ABC can propose European make as well as Indian make rerailling equipment which is proven in Metro and Indian Railway. Please clarify and confirm, is there any restriction and criteria for supplying Indian make Rerailling equipment.	Bid conditions prevail.
14	General		Design approval & manufacturing clearance	Please confirm the no. of days in which approval will be given on any design submission to start the production. This approval has direct impact on delivery schedule also. Normally it is cleared in 15 days. Please confirm.	Please refer Clause 5.6, Section VI-A and Appendix 1 (Key Dates) General Specifications, Part 2, which is self explanatory. Bid conditions prevail.



15	General				<p>We, M/s ABC, are sole authorized Indian agents of M/s XYZ, for their RCRV and also for M/s PQR, for their rerailling equipment. We are co-ordinating in the Bidding of your tender MM3-CBS-DEQ-9-04 for Rescue Vehicle along with Re-railing vehicle. We have been informed by our Principal of Rescue vehicle that they will not be able to bid for combined item, viz. Rescue Vehicle & Rerailling Equipment as they are interested in dealing with their item only. Even in AAA Metro, the order placed on M/s XYZ for both items combined was later modified with M/s XYZ to supply only the Rescue Vehicle.</p> <p>With a view to solve the above issue, we request you to kindly permit authorized agents of manufacturers to bid on their behalf. We have supplied both the equipment to various Indian customers like IR, Metro railways and industries. Some of these supplies were made by us i.e. M/s ABC in INR (after importing from our principals).</p> <p>If you agree to above proposal and issue amendment to this effect, our principals will need some more time to optimise their offers – and hence would request you to extend the tender submission date till 13.12.2019.</p>	<p>Refer Sr No 1 of Addendum No 2. Bid conditions prevail.</p>
16	Part 1, Section II, ITB 24.1	Sr.no. 12	Page 4 of 5	<p>The deadline for Bid submission is: Date: 14/11/2019 Time: 3:00 PM</p>	<p>To prepare and arrange all required document for BID we request you to extend the submission to 30/12/2019</p>	<p>Please refer Sr No 10 of Addendum no 2.</p>

