



Invitation for Bids for "Design, Manufacture, Supply, Installation, Testing & Commissioning and Comprehensive Maintenance Service of Auto Train Wash Plant" for Project Mumbai Metro Line-3

Date: [28/07/2020]

Loan Agreement Number: [ID-P 268]

IFB Number: [MM3-CBS-DEQ-9-02]

Addendum No. 4

Sr. No.	Bidding Documents Reference and Clause No.	Amendment
1	Part 2, Employer's Requirement, Section VI-B Technical specification, 3.2.2 d	<p>Replace All pumps, pipes, tanks, spray poles, nozzles, enclosures, side covers to prevent water splashes from wash stations etc. required to be constructed of Stainless-Steel material shall be made of SS 316.</p> <p>With All Pumps, Nozzle & fasteners, Spray Poles, side covers to prevent water splashes from wash stations, Water Pipelines and its associated pipes, Pneumatic Pipes and Tanks shall be of stainless steel SS316L and thickness shall not be less than 3 mm.</p> <p>All structures shall be of stainless steel SS304.</p>
2	Part 2, Employer's Requirement, Section VI-B Technical specification, 3.3.11 (C)	<p>Replace c) Monitoring of details i.e. status/ health, operating hours of the plant shall be monitored at control panel with fault record storage facility for at least 30 faults on the basis on along with audio, VDU and Printer facility to be supplied by the Contractor.</p> <p>With c) Monitoring of details i.e. status/ health, operating hours of the plant shall be monitored at control panel with fault record storage facility for at least 30 faults on the basis on along with audio, VDU and Printer (Table top, Inkjet Cartridge Black & Colour type, can print, copy and scan with WI-FI facility, Mono Print speed approx 10ppm, Colour print speed approx 6ppm suitable for A4 size printing) facility to be supplied by the Contractor.</p>





MUMBAI METRO RAIL CORPORATION LIMITED (MMRC)
 (A Joint Venture of Govt. of India and Govt. of Maharashtra)
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 Bandra (East), Mumbai 400051, India. Telephone: +91-22-26384638, Fax: +91-22-26592005

3	Part 2, Employer's Requirement, Section VI-B Technical specification, 3.9.6	<p>Add Clause 3.9.6 (a) under DCC control Console</p> <p>The Equipment contractor shall make the arrangement to interface with Automatic Train Supervision (ATS) and Control Console workstation at Depot Control Centre through redundant Ethernet running Modbus TCP/IP protocol in coordination with STPT Contractor.</p>
4	Part 2, Employer's Requirement, Section VI-B Technical specification, 3.14.3 (a)	<p>Replace</p> <p>a) A PC with software along with a graphic interface shall be provided. All layout and control functions required for record and display of Wash Plant data shall be provided as detailed below.</p> <p>With</p> <p>a) A PC with software along with a graphic interface shall be provided. The Contractor shall supply and integrate the IP Cameras (Minimum 4 (four) numbers) at the Wash Plant for ATWP monitoring with a monitor provided near the Control Panel in DCC. All layout and control functions required for record and display of Wash Plant data shall be provided by The Equipment Contractor as detailed in 3.14.3 (b).</p> <p>The IP cameras shall be true day/night camera. The built-in infrared LEDs provides quality night time monitoring with 60 m (196 ft) viewing distance in darkness. The camera resists both water and dust ingress in tough environments and is rated to IP67 standards. It has built- in essential Video Analytics to trigger relevant alerts and quickly retrieve data. It has High Dynamic Range mode (134 dB) to see details in bright and dark areas simultaneously.</p>
5	Part 2, Employer's Requirement, Section VI-B Technical specification, 3.16.6	<p>Replace</p> <p>Minimum 6 (six) vertical brushes (3 pairs) shall be provided for cleaning of side walls and 2 (two) horizontal brushes for cleaning of front and rear. The speed of brush cylinder shall suit the requirements of desirable level of washing.</p> <p>With</p> <p>Minimum 6 (six) vertical brushes (3 pairs) shall be provided for cleaning of side walls and 2 (two) horizontal/vertical brushes suitable for working under live OHE traction system, for cleaning of front and rear. The speed of brush cylinder shall suit the requirements of desirable level of washing.</p>
6	Part 2, Employer's Requirement, Section VI-B Technical specification, 3.23	<p>Add Clause 3.23.2. (a) under Protection and Safety</p> <p>All tanks shall be provided with suitable water level sensors, for accurate measuring of Water Levels and monitoring from Depot Control Centre.</p>





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7	Part 1, Bidding Procedure, Section II, Bid Data Sheet, ITB 24.1, & Sr. No. 1 of Addendum No. 3	Replace "The deadline for Bid submission is: Date: 06/08/2020 Time: 3:00 PM" With "The deadline for Bid submission is: Date: 17/09/2020 Time: 3:00 PM
8	Part 1, Bidding Procedure, Section II, Bid Data Sheet, ITB 27.1, & Sr. No. 2 of Addendum No. 3	Replace "The Technical Bid opening shall take place at: Date: 06/08/2020 Time: 3.15 PM" With "The Technical Bid opening shall take place at: Date: 17/09/2020 Time: 3:15 PM"

Place: Mumbai,
Date: 28/07/2020



Sd/-
Shri. Rajeev
General Manager (Rolling Stock MMRC)