

"DESIGN, MANUFACTURE, SUPPLY, TESTING, COMMISSIONING AND TRAINING OF 30 NOS. OF STANDARD GAUGE CARS FOR AHMEDABAD METRO RAIL PHASE-II PROJECT"

IFB NO: GMRC/RS3, Dated: 27-04-2022

Pre-Bid Clarifications (Set- 2) Dated 09-06-2022

S. N.	Part	Section	Clause No. / Item No.	Page No.	Bid Condition	Bidder's Query	GMRC's Response / Clarification
1	2	VII C	5.3.5 & 5.3.9	43 & 44	In the tender document in clause no. 5.3.5 of ERTS it is stated: "In case the contractor purposes painted aluminium car body, the exterior appearance of the car body shall be smooth surface (not corrugated) painted metal with least use ". However, in Clause 5.3.9 it is stated that: "In case the Aluminium car body is being offered, the unpainted cars shall not corrode in Ahmedabad & Gandhinagar highly polluting environmental conditions or due to cleaning action during design life of 35 years."	We would like to submit that Aluminium coaches need to be painted in order to prevent from corroding and the same is a standard practice across the globe. Hence, please confirm if our understanding of painted carbody in line with Clause No. 5.3.5 of ERTS is acceptable.	Please follow bid condition.
2	2	VII C	5.3.9	44	Clause No. 5.3.9 of ERTS states the following: "The Car body shall be manufactured by using modular double skinned hollow Aluminium extrusions with truss cross section. These modular extrusions shall be welded by using friction stir welding technique to give spotless smooth surface finish. The maximum variation from the required profile shall not exceed 1mm over one-meter length. The Tenderer shall establish his proven and proposed manufacturing process and selection of extrusions as specified above. The Tenderer shall also submit complete details of the manufacturing process and compliance to the ERTS.	we would like to submit that conventional welding processes like MAG provides quality on par with FSW, if not better. Titagarh has delivered and will continue to deliver Aluminium carbodies using MAG welding process for its ongoing projects and has consistently achieved spotless smooth surface finish. Titagarh uses linear robotic welding process for carbody integration with reduced human activity to further improve the quality and aesthetic finish of the welded joints on the carbody. The qualities equally meet the welding quality requirements as defined in the welding standards. Also, FSW is a patented technology and in principle does not add any value in terms of quality of welding. Furthermore, the similar conventional welding method is allowed for Stainless Steel carbody giving unfair advantage to the Stainless Steel carbody manufacturers.	Please follow bid condition.