

MUMBAI METRO RAIL CORPORATION LIMITED

Mumbai Metro Line-3 Project

IFB No: MM3-CBS-DEQ-9-06D

Design, Manufacture, Supply, Installation, Testing & Commissioning of Lot I: Blow Down Plant along with Comprehensive Maintenance Service, and Lot II: Well Wagon

Response to Bidders' Queries (SET-4)

Sr. No.	Part No., Section No.,	Clause No.	Bid Document Clause Description	Bidder's Query /Clarification	MMRC Response
1	Part 2 - Employer's Requirements, Section VI-B, Technical Specifications	3.7(b)	Arrangements shall be made to carry 15 m. long rails with supports at an interval not exceeding 6 m. Overhang of the rails at the ends from the last support shall not be more than 3m.	(Q.1) Does the capacity of Jib crane 5ton mean 5ton-m. or the Hoist capacity is 5tons lifting at any distance ? (Q.2) If it means 5ton lifting at the end of the ARM, What position of the Jib crane's Post is considered? (Q.3) If it is located at the center of the Well wagon, is there no problem of usage of the Well wagon – loading big material at the center area of Well wagon. So it looks like not proper, how do you think about this position?	1. The capacity of the hoist is 5 tons at any distance. 2. The Jib Crane post location is subject to design stage approval. Tentatively, it shall be at the middle of the width of the wagon. The length of Jib crane arm and post height shall be restricted with the tunnel diameter, which is 5.8 m. and shall be interfaced with Track and OCS Contractors during design stage. The utilisation of the Jib crane shall be limited with the location of the post and length of arm of the jib crane.
2	Part 2 - Employer's Requirements, Section VI-B, Technical Specifications	3.8 (a)	A jib crane of capacity 5 Tons shall be mounted on the frame of the well wagon at suitable location so as to enable loading and unloading the materials onto and from the well wagon floor to near rail level/ Station Platform.	(Q.4) If it is located at an end area of the Well wagon, the ARM of the Jib crane shall be very long to reach to another end of well wagon then it is not a JIB Crane configuration. Generally the arm of JIB crane shall be limited considering of the deflection (bending) by the loading. In this case, the Jib crane is not proper, it shall be a straight boom type hydraulic crane, which requires higher expense. (Q.5) What does it mean "at farthest point"? Is it the position on the Well Wagon or outside of the wagon?	3. As above at Sr No. 2. 4. As above at Sr No. 2. 5. The jib crane shall be capable to lift material from the farthest point of the arm of the Jib crane. 6. This is a general purpose facility to be used when needed for transportation of material/ equipment within the capacity of the facility. 7. The length of the Jib crane arm shall be limited by the space available in the tunnel. This shall be decided in interface with Track and OCS Contractor.
3	Part 2 - Employer's Requirements, Section VI-B, Technical Specifications	3.8 (b)	The arm of the crane shall be of sufficient length to achieve the loading/ unloading of materials lying at farthest point from the well wagon and without infringing the Schedule of dimensions of Line 3.	If it is outside of the wagon, the distance definition is required. (Q.6) What is the man usage of this Well Wagon? (Q.7) If the purpose of this Jib Crane is for loading and unloading light material (maximum 5ton), the Jib crane arm shall be defined as about 3m not as 'reach to the materials lying at farthest point' – correction needed.	Bidding Documents conditions prevail.

