Interface with Machinery & Plant Contractor

Interface Item Ref.	Engineer / Depot Construction Contractor	Machinery and Plant (M&P) Contractor	Location	Purpose / Subject of interface
1	Depot contractor shall construct the facilities for commissioning and testing of M&P in nominated depot to meet the commissioning schedule of M&P.	Review the planning by Engineer and DDC and define the minimum facilities required for commissioning and testing of M&P in the depot.	Depot	Requirement for commissioning and testing of M&P
2	Depot contractor shall construct the facilities (except certain maintenance equipment) needed to meet the maintenance needs as advised by RS Contractor.	Shall furnish the maintenance schedules and equipment requirement for complete M&P, assemblies and subassemblies systems and sub systems	Depot	Metro train Maintenance Requirement
3	Depot contractor incorporate structural provision and electrical & mechanical provisions for all Machinery and Plant.	Supply all special tools / test panels suitable for the M&P to be supplied	Depot	Plant and Machinery, test panels, tools and instruments etc.
4	Depot contractor shall construct the store facilities	Shall furnish the special requirements for storage and the quantities for storage		Store facilities for important items of M&P.
5	Depot contractor to Liaise and coordinate with the RS contractor to agree facility completeness and accessibility for M&P delivery to agreed delivery schedule as approved by NMRCL	Liaise and coordinate with the Construction Contract for M&P deliveries and access. Not to deliver M&P in advance of agreed delivery schedule without agreement of DDC and approval of NMRCL.		Central Depot Construction, Commissioning and Operational Readiness

M&P wise Interface Requirements					
Sr No.	**Name of Equipment**	**QTY PER DEPOT**	**Location / Shop**	**Interface With**	**Interface Description**
1	Automatic Train Wash Plant	1.0	Separate Location on Incoming / Outgoing Line as per Depot Layout	Depot Contractor	1) Demarcation of ATWP area according to Depot layout. 2) Control Room for operating station of ATWP. 3) Cable Trench for laying of Cables & wires of the plant. 4) Inlet Water Reserve to be provided & suitable piping to the Inlet point /Tank of the ATWP as per the suppliers GAD. 5) Collection point for waste water. 6) Waste water drain / piping to transfer the waste water to the Depot ETP. 7) Power connection within 15 Mts of the plant pannel, as per the Electrical load ratings provided by the supplier.

2	CNC Under Floor Wheel Lathe with Synchronised Shunting System	1.0	Separate Pit Wheel Lathe Shed on Incoming / Outgoing Line as per Depot Layout	Depot Contractor	1) Suitable shed as per depot layout with sufficient illumination and Ventilation considering Day and Night Working. 2) EOT Crane of 5 Ton capacity, with travel along the shed bay length. 3) Plain Concrete Workshop Floor outside the Pit area with colour as per NMRCL choice. 4) Electrical supply point within 15 mts from the pit (120 KVA) with Common Earthing connection point. 5) Both side entry openenings to be sufficient for entering of 25 Ton Mobile Crane. 6) Floor to fush with Rail to the level of TOR. 7) Drain point at two sides of the shed and related drainage system to be provided.
3	Under Floor Train Lifting System for 3 Car Unit	1.0	Repair Shop on Line 1	Depot Contractor	1) Supplier will provide the GAD of the UFLS. Acoordingly space should be left for civil work of UFLS by supplier 2) Plain Concrete Workshop Floor outside the Pit area with colour as per NMRCL choice. 3) Electrical supply point within 15 mts from the Control Panel (75 KVA) with common Earthing connection point.
4	Mobile Lifting Jacks for 3 Car Unit	1.0	Repair Shop on Line 2	Depot Contractor	1) Supplier will provide the GAD of the MLJ System. 2)Plain Concrete Workshop Floor in the working area with colour as per NMRCL choice, 3) Electrical Cabling Conduits as per GAD along with pockets for connection points, 4) Main Electrical supply point within 15 mts from the pit (40 KVA) with common Earthing connection point.

5	Bogie Testing Machine	1.0	Bogie Repair Shop Auxiliary Repair Shop	Depot Contractor	1) Supplier will provide the GAD of the UFLS. 2) Plain Concrete Workshop Floor outside the Pit area with colour as per NMRCL choice. 3) Electrical supply point within 15 mts from the Control Panel (20 KW) with common Earthing connection point.
6	Bogie Turntables (1 Set = 4 Nos.)	1.0	Repair Shop Line 1 & 2 and Auxiliary Shop Line 1 & 2	Depot Contractor	1) Supplier will provide the GAD of the BTT. 2) Plain Concrete Workshop Floor outside the Pit area with colour as per NMRCL choice.
7	Multi-Functional Work Station with Retractable Catenary and Elevated Track (one Track System)	1.0	Inspection Shop (1 Line)	Depot Contractor	1) Drawing of the Inspection Bay required, 2) Supplier will provide the GAD and the load requirements of the shed roof structure. Depot contractor to provide the structure accordingly. 3) Plain Concrete Workshop Floor on the Shop Floor level area with colour as per NMRCL choice. 4) Electrical Point within 15 Mts from the control panel.