

BILL OF QUANTITIES					
BEML LIMITED, BHOPAL					
Tender No. 6300040354		Period of Contract		18 Months from DOC	
		EMD		Rs. 131404465.00	
Sub: Engineering, Procurement & Construction pertaining to establishment of Rail coach factory including Civil Construction of manufacturing blocks, testing bay, other utility buildings (Non factory buildings), Railway Track sidings, water supply and distribution System, Roads, Drainage and sewerage systems, General Electric works including regular and emergency power supply and distribution system, related installations & services (Fire, Gas, Compressed air, IT, BMS, etc.), MFA (Miscellaneous fixed assets) and other Land & Site development works including grading, levelling works in connection with setting up of a Rail Coach Factory hereinafter referred as BEML RAIL HUB FOR ADVANCE MANUFACTURING (BRAHMA)near Umaria village, Obaidullaganj, District- Raissen, Madhya Pradesh (India) PIN code 464993 on EPC Mode					
Sl. No.	Name of the component	Unit	Qty	Rate/Unit in Fig. & in words Rs.	Amount (Rs.)
1	Execution of the work pertaining to establishment of Rail coach manufacturing facility mode on EPC Mode as per scope detailed. Earthwork in formation (Cutting & Filling)- RCC Road- Storm water drainage system- Sewerage system excluding (STP) RCC service trench Greenbelt Development Other External Development works Gate Complex for Truck entry & exit Gate Complex for railway siding Material Gate Laying of Stabling and dispatch Railway Track (4 km)	Job	1.00		
	1. Car Body manufacturing cum storage Block – 01 No. Manufacturing line will have dimension of 400m X 72 m. A road of 10 m has been proposed in between the Production line for the logistic support and for meeting the Fire safety norms. 2. Car body inspection and testing line facility - 01 No. Inspection & Testing line will have dimension of 852m X 24 m. A road of 10 m has been proposed in between the Production line for the logistic support and to meeting the Fire safety norms. 3. Raw material storage yard Hard Stand of 50mx40m 4. Water supply & Fire water pump house including sump - single-storey industrial form with adequate internal clear heights for pump installation, maintenance, and overhead piping size - 30x 28 Mtr (Inclusive of Sump area) 5. Main Receiving Sub Station – MRSS- 01 RCC/partially steel structure, 40 m X12.5 m				
	6. Emergency Power Supply System - EPSS Hard stand- 01 RCC Structure of Size- 30x30 M 7. Centralised compressed air station 01 No. RCC Structure of Size- 12M x 20 M 8. Centralised Gas bank Shed – 01 OPEN/ RCC of size 40 M x 16 M 09. Safety Office- 01 Single floor RCC building of size 14.4m x 25.2 m 10.RO Plant (Hard Stand)- 01 RCC structure of size - 15mx10m				
	11. Chiller Plant Building – 01 RCC Structure with 46.6mx16m 12. Fire station 01 RCC structure with 32.4mx10.8m 13. Sewage Treatment Plant (STP) – 01 RCC structure with 15mx13.5m 14. Traverser Foundation – 02 Nos (Hard stand – 240m x 32m- 01 No. Hard stand 160m X 32M -01 No.) 15. Office complex This facility shall be RCC Framed structure with Ground + 5 Floor configuration. The ground floor size of building shall be 75.6m x 18.9 m 16. Canteen Building – The size of the building shall be 64.8m x 56.4 m. 17. Medical Centre- 01 shall be RCC Framed single storeyed structure. The infill material used shall be brick wall or cement concrete blocks. The Overall size of the building shall be 28.8 m x 10.8m approximately.				
	18. Multi-level parking (G+2). Size is as mentioned- 61.6m x 64.4m 19. Toilet Block- The size of the building shall 7.6m x 13.6 m. 20. Storage Yard				
	21. Required Furniture for the plant 22. Air conditioner for the annexe-building 23. Main Plant & Equipment Interplant Traverser (75 t) - 02 Nos Interlay Track Shifter (50 t)-01 No 24. Miscellaneous fixed Assets (MFA) A. Material Handling – Crane •DG EOT Crane- Ground floor- 25 T- 04 Nos First floor - 10 T -) - 04 Nos •□ 2T SG Under slung crane- Water pump house •□ Goliath Crane □01 24. HVAC System for Canteen, admin building, safety office, Medical Centre 25. Fire Fighting systems				

Sl. No.	Name of the component	Unit	Qty	Rate/Unit in Fig. & in words Rs.	Amount (Rs.)
	26. WATER SUPPLY FACILITIES 27. Compressed air facilities 28. STP (MBR technology) 29. DG Set 750 KVA 02 Nos 30. Industrial Gases 31. Weigh Bridge (100 Ft, 70 T) – 01 No. 32. Fire Detection and Alarm System- 01 No. 33. Test Track with covered accommodation 34. Electrical Works 35. Instrumentation & Process Control All connected inside & out side electrical works, mechanical works, fire and safety works, plumbing, retaining walls, storm water waters, Rain water harvesting, cable trenches, laying of tracks both standard guage and board guage, hard standing, cement concrete connectivity roads , perimeter roads, site formation, filling of land, demolishing of any existing old building/ structures both RCC/steel etc. complete project. liasoning work etc in EPC mode (design and build basis) As per the scope of work mentioned in Technical Bid.				
	Total Rs inclusive of all Taxes and Duties:				

Total Amount in words. Rs.