

APPENDIX - C

Bill of Quantities

Work Title: 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- Raisen, Madhya Pradesh (India) PIN code 464993 on EPC Mode.

Sl.No.	Name of the Work	Quoted Price
	Preparation of Architectural, Structural Designs, proof check of design & drawings by IITs, Cutting, levelling/filling of land, field survey and soil investigation and Construction of Manufacturing Block with Annexe building, Inspection Block, various technological buildings, non-technological buildings, Canteen Building, Fire Station, Occupational Health Centre, rail tracks with and without OHE, traverser foundation, construction of MRSS, EPSS, compressed air station, gas bank, raw material storage yard (covered), Water supply & Fire water pump house & sump with all connected pipelines for supply of water, RO Plant, sanitary/ sewer lines connecting to Sewage treatment plant, storm water drains connected to rain water harvesting pond, Electrical works, mechanical works, plumbing works, Fire fighting system works, Miscellaneous fixed assets, Detailed Designs of Services, external development, RCC roads and pavements, landscaping, horticulture, signage's etc. complete as per requirements in line with the master layout enclosed and scope of work. Construction of following:	
A	Land & Site Development	
1	RCC Road*	
2	Storm water drainage system*	
3	Sewerage system excluding STP*	
4	RCC service trench*	
5	Main Gate Complex (G+1) with security office - 1-lot	
6	Railway Gate Complex (G+3) - 1-lot	
7	Laying of Stabling and dispatch Railway Track *	
8	Earthwork in formation - Cutting & Filling*	
9	Greenbelt Development - 37 acres	
B	Civil & Structural Works	
1	Car Body manufacturing cum storage Bay with annex building units and fire stair cases including lifts - 1-lot	
2	Car body inspection and testing line facility - 1-lot	
3	Raw material storage yard (covered) - 1-lot	
4	Water supply & Fire water pump house & sump - 1-lot	
5	MRSS (Main receiving sub-station) 1-lot	
6	EPSS (Emergency power supply system) hardstand - 1-lot	
7	Compressed Air Station - 1-lot	

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8	Gas Bank - 1-lot	
9	RO Plant - 1-lot	
10	Fire Station - 1-lot	
11	Traverser/ AGV – Foundation/ Hardstand - 1-lot	
12	Rain Water Harvesting - 1-lot	
13	Canteen Building - 1-lot	
14	Occupational Health Center - 1-lot	
C	MFA (Miscellaneous fixed Assets)	
C1	Material Handling Equipment	
1	DG EOT Crane -25/5T - 4-Nos.	
2	DG EOT Crane -10/2T - 4-Nos.	
3	Single girder under Slung 02 Ton Crane for Water Pump House - 1-Nos.	
C2	Other Miscellaneous fixed Assets	
1	Plant Electrics - 1-lot	
2	Instrumentation system - 1-lot	
3	AC & Ventilation System - Air cooled VRF type 40T (main gate complex with security office & Canteen building) - (1+3) Nos.	
4	AC & Ventilation System - Split air conditioner for office units annexed to manufacturing block – 1.5 ton capacity, 5 star rating - 50 Nos	
5	Compressed Air system - 1-lot	
6	Fire Fighting system - 1-lot	
7	Furniture (as per list attached)- 1-lot	
8	IT Equipment & ITES - 1-lot	
9	Water Supply System - 1-lot	
10	RO Facility - 1-lot	
11	STP - 1-lot	
12	DG Set - 2-Nos	
13	Gas Bank - 1-lot	
14	Weigh Bridge (including associated civil infrastructure)- 1-lot	

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	All connected inside & outside electrical works, mechanical works, fire and safety works, plumbing, retaining walls, service trench, storm water, Rain water harvesting, laying of tracks both standard gauge and board gauge with and without OHE, hardstanding, RCC roads, site formation, cutting, filling of land, etc. complete project. Liasoning work, statutory approvals, etc in EPC mode (design and build basis) as per the scope of work mentioned in Technical Bid	
	Total Basic Price	
	Applicable GST in % _____	
	Total Price inclusive of all Taxes and Duties:	
	Amount in Words:	

Note:

**With the limiting condition of dispatch track at 452m MSL, the EPC contractor has to decide the floor level of all the facilities including formation level and assess the quantity accordingly and quote. For dimensions/ configurations master layout (in .dwg format) may be followed. While fixing the formation and floor level necessary guideline as per latest NBC to be followed.*

Signature of Authorized Person

Name:

Designation:

Stamp/ Seal: