



(A Govt. of India Mini Ratna Company under Ministry of Defence)

Pre-bid Meeting – BEML Response to Pre-bid Queries from Bidders - Set 3

Dated: 18/07/2026

Name of the Work: 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) on EPC Mode.

Tender Notice No. :6300040573 dated 25.05.2026

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/ Clarification by Customer
1	Documents- Corrigendum-1 Pre-bid Queries – BEML Response to Pre-bid Queries from Bidders (Set - 1) Sr. no. 43	Drawings for the Car Body Inspection and Testing Facility shall be provided.	Kindly provide us with the drawings of Car Body Inspection and Testing Facility as the same is mentioned in document but not provided.	Refer Corrigendum-3
2	Documents- Corrigendum-1 Pre-bid Queries – BEML Response to Pre-bid Queries from Bidders (Set - 1) Sr. no. 295	The STP has been relocated. Please refer the revised master layout. With the changed location, pumping may not be required.	Kindly provide us with Revised master plan layout as the same is mentioned in pre bid reply document but not provided.	Refer Corrigendum-3
3	NIT Document Pg. no 58 BEML Response to Pre-bid Queries from Bidders (Set - 1) pg. no 36 (sr.no 46) Annex Building capacity of passenger lift		The passenger lift capacity for Annex building is 10 pax as per NIT document, but according to the query replied it is 15 pax capacity . Kindly confirm which one to follow.	The capacity may be considered as 15 Pax
4	NIT-6300040573_pg no. 51 NBC Code		Our design and bid working is based on National Building Code (NBC) 2016. Kindly Confirm.	Applicable codes including NBC Code may be followed except for the exception if any)mentioned in the NIT.



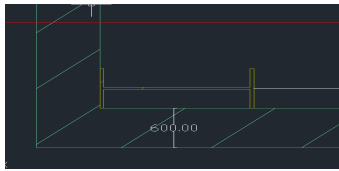
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5	Documents- Corrigendum-1 Pre-bid Queries – BEML Response to Pre-bid Queries from Bidders (Set - 1)	Sr. no. 134-EPC bidder to assess and quote accordingly. Sr. no. 141-List of furnitures are also provided in the NIT.	Kindly confirm whether list of furniture in NIT document have to be followed.	List of furniture in NIT document to be followed for quoting.
6	Drawing- Car body Fabrication Assembly line facility Block Wall thickness		As per the Car body fabrication floor plan wall thickness is given as 600 mm. Kindly confirm whether block wall thickness to be considered as 600 mm or 200 mm. 	Wall thickness to be considered as 200 mm
7	Documents- Corrigendum-1 Pre-bid Queries – BEML Response to Pre-bid Queries from Bidders (Set - 1) Sr. no. 352	ACS shall be provided at main entry gate and admin block, In addition ACS shall also be installed at the entrance of Testing bay, substation and control room and all safety critical locations including IT server room. ACS is not envisaged in manufacturing block.	Kindly confirm which Main entry gate is being referred, whether the outer most entry gate at plant boundary wall or at the Main gate complex. We understand that admin block is not part of bidder's scope of work.	It is at the main gate complex where ACS is envisaged. Yes, Admin Block is not part of bidder's scope of work



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8	Documents- Corrigendum-1 Pre-bid Queries – BEML Response to Pre-bid Queries from Bidders (Set - 1) Sr. no. 103	Boundary Wall inside plant is in the scope of EPC tender.	We presume that internal boundary wall will be only limited to area around Main Gate Complex.	Yes, to regulate the entry & exit only through main gate entrance & exit, the gaps between gate complex and nearest boundary existing boundary wall are to be closed by constructing boundary wall which is shown in revised master layout (R-02)
9	Drawings PDF_c- Annex space ground floor plan, typical floor plan sections_page no.11 Glass Specification for Structural Glazing (Annex Building)		Kindly confirm the glass specification proposed for the structural glazing for the Annex Building. Also, kindly confirm whether any acoustic performance requirements are applicable and if acoustic glass needs to be considered for this location.	Refer Corrigendum-3
10	Technical Specification-Cl. No. 1.12 Road Design		Please provide specific IRC class loading-maximum wheel load value for heavy vehicle movement for RCC road Design	Loading class A2 may be considered for Road Design
11	Cl. No. 1.12 Road Design		Please provide CBR value for Road Design	Bidder to assess design and quote accordingly.
12	Cl. No. 2.5 Monorail		Please provide Monorail Capacity wherever applicable building wise.	So far not envisaged anywhere except for underslung crane of 2T capacity in water supply and fire water pump house.
13	Load details		Please share Car body Fabrication & Car body inspection area equipment details, electrical load and location	Electrical Load considering power factor for Car body Fabrication(2 MW) & Car body inspection area (2MW), which is adequate for the equipments installed.



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Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/ Clarification by Customer
14	Earthing		Please share Earth Resistivity Test Report.	Bidder to assess and quote.
15	Load details		Please provide the rating of 33 kV, 3Ph / 25 kV 1Ph Transformer for test track.	KVA: 2500 Primary: 33000 V Secondary: 25000 V types of cooling: ONAN Frequency: 50Hz Impedence: 4 to 6% Specifications: As per IS 2026 PT and CT should be mounted inside the tank. Separate CT for WTI Accuracy class : 1 Kindly refer SLD for more details regarding facilities/utilities provided in the bay.
16	Lighting Control		Please confirm the lighting control requirements. Which areas are to be controlled? Also, please clarify whether DALI-based lighting control or standalone occupancy/daylight sensors are required.	Bidder to assess the lighting controlled requirements and areas to be covered as per normal industrial practice. Lighting control is standalone occupancy and daylight sensors are required with options to switch on manually or bypass
17			Please confirm the percentage impedance (%Z) of the power transformer, as it is shown as 8.34% in the SLD.	Percentage impedance(%Z) required is in between 4% to 6%
18			Please provide specification of Traction transformer and rectifier transformer.	Traction Transformer: As per the specification of Sr. No. 15. Rectifier Transformer: Voltage Rating : 750 V DC Current Rating : To be decided based on load planned. Rectifier Unit should consists of rectifier unit with negative control panel, High speed circuit breaker (HSCB), Battery charger Unit for HSCB, annunciation panel and cables



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19	Pg No:- 28 Technical specification As per the Technical specification given, Canteen dining area wherein structural roof is envisaged; roofing shall be of galvalume sheets of above referred specification. 2. PUF insulated panels shall be used for roofing in facilities other than manufacturing and testing blocks, where rock wool insulated panels shall be used for roofing.		As per the previous prebid clarification , we will consider the following 1)Manufacturing Block:- Sandwich Rockwool panel on roof & Single Galvalume Sheeting Cladding 2)Testing Block:- Sandwich Rockwool panel on roof & Single Galvalume Sheeting Cladding 3)Canteen Building:- Sandwich PUF panel on roof & Single Galvalume Sheeting Cladding 4) Raw materials storage yard, Water supply & fire tank , Gas Bank, & RO:-Single Galvalume sheeting on roof & Single Galvalume sheet in cladding. Kindly confirm.	Refer Corrigendum-3. for roofing, cladding & other finishing details. In canteen, wherever verticle surfaces have been shown in sheeting work, single galvalume sheeting cladding to be used. RO facility is containerised. Container should be strong, sturdy & spacious for transportation/shifting, operations & maintenance ease.
20			Kindly specify the width of the weigh bridge required.	Weigh Bridge Size shall be 4.5m (W) x 24m (L). Operator Room of suitable size shall also be provided.



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21	Sl no. 23, eligibility criteria of E. Technical Bid – Part A1 (Quality and cost based selection) - NIT Document	Please refer to the table on pg.18/189 of NIT document	We request client to kindly consider relaxing the qualification requirements for key personnel as proposed in the below table. The revised criteria as per the corrigendum 1 (dated 03rd July 26) mandating Master's degrees for several positions are highly restrictive and the availability of such professionals with relevant project experience is limited in the industry and such qualified personnel are reluctant for site deployment. Relaxing this clause will help us to recruit competent and skilled personnel which are suitable to execute this project.	Refer Corrigendum-4																											
	Sl. No.5, F. Scoring criteria - Key personnel deployment - NIT document	Please refer to the table on Pg. 23,24 & 25/189 of NIT document	<table><tr><th>Sr. No</th><th>Position</th><th>Proposed Revision in Criteria for Key Personnel</th></tr><tr><td>1</td><td>Project Manager</td><td>Bachelors in Civil Engineering with relevant Executive MBA degree/ EPGPM from NICMAR</td></tr><tr><td>2</td><td>Construction Manager</td><td>Bachelors in Civil Engineering with relevant Executive MBA degree/ EPGPM from NICMAR</td></tr><tr><td>3</td><td>Planning Manager</td><td>Masters in Civil Engineering or PCDM in Advance Construction Management</td></tr><tr><td>4</td><td>Design Manager</td><td>Bachelor's degree in Architecture or Civil Engineering with a Post Graduate Diploma/ Degree in Construction Management/ Project Management/ General Management</td></tr><tr><td>5</td><td>Lead Architect</td><td>Bachelor's degree in architecture</td></tr><tr><td>6</td><td>Sustainability Manager</td><td>Bachelor's Degree in Architectural/ Civil/ Electrical/ Mechanical & PG Degree/ Diploma in Sustainability/ Sustainable Architecture/ Environment</td></tr><tr><td>7</td><td>Lead Mechanical Engineer</td><td>Bachelor's degree in Mechanical engineering</td></tr><tr><td>8</td><td>Lead Electrical Engineer</td><td>Bachelor's degree in electrical engineering</td></tr></table>		Sr. No	Position	Proposed Revision in Criteria for Key Personnel	1	Project Manager	Bachelors in Civil Engineering with relevant Executive MBA degree/ EPGPM from NICMAR	2	Construction Manager	Bachelors in Civil Engineering with relevant Executive MBA degree/ EPGPM from NICMAR	3	Planning Manager	Masters in Civil Engineering or PCDM in Advance Construction Management	4	Design Manager	Bachelor's degree in Architecture or Civil Engineering with a Post Graduate Diploma/ Degree in Construction Management/ Project Management/ General Management	5	Lead Architect	Bachelor's degree in architecture	6	Sustainability Manager	Bachelor's Degree in Architectural/ Civil/ Electrical/ Mechanical & PG Degree/ Diploma in Sustainability/ Sustainable Architecture/ Environment	7	Lead Mechanical Engineer	Bachelor's degree in Mechanical engineering	8	Lead Electrical Engineer	Bachelor's degree in electrical engineering
	Sr. No	Position	Proposed Revision in Criteria for Key Personnel																												
	1	Project Manager	Bachelors in Civil Engineering with relevant Executive MBA degree/ EPGPM from NICMAR																												
	2	Construction Manager	Bachelors in Civil Engineering with relevant Executive MBA degree/ EPGPM from NICMAR																												
	3	Planning Manager	Masters in Civil Engineering or PCDM in Advance Construction Management																												
	4	Design Manager	Bachelor's degree in Architecture or Civil Engineering with a Post Graduate Diploma/ Degree in Construction Management/ Project Management/ General Management																												
	5	Lead Architect	Bachelor's degree in architecture																												
	6	Sustainability Manager	Bachelor's Degree in Architectural/ Civil/ Electrical/ Mechanical & PG Degree/ Diploma in Sustainability/ Sustainable Architecture/ Environment																												
	7	Lead Mechanical Engineer	Bachelor's degree in Mechanical engineering																												
8	Lead Electrical Engineer	Bachelor's degree in electrical engineering																													
Point no. 7 - Deployment of Staff and employees - NIT document	Refer Table for penalty clauses pg.90/189 of NIT document																														



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22	Dispatch Railway Track NIT Page. 45 of 189	1.5.1 Detailed engineering scope The EPC contractor shall perform a. Surveys and investigations Topographical survey (Topographical survey report carried out at the time of DPR preparation available with BEML has been annexed with this tender (Report). However, verification / validation of the same with respect to the MSL of Obaidullaganj Railway Station shall be the sole responsibility of EPC contractor as it is very critical for railway siding work and Land & Site Development Work as dispatch railway track is to be connected to the broadgauge line passing by the side of project site with slope as permitted by the Indian railways.	We presume, all railway tracks 5.47 km are combination with Broad Gauge and Standard Gauge. Kindly confirm	All the Railway tracks are combination tracks of both Broad gauge & Standard gauge. However, the length of the railway track to be checked properly in-line with description of inspection & Testing bay, manufacturing block, Goliath crane, the track outside the manufacturing block & testing bay used for run test track, Stabling & dispatch track.
23	APPENDIX - C Bill of Quantities As per A- Land & Site Development 9- Green Belt Development-37 Acres	Kindly confirm the location of green belt area. Corrigendum-3 Query No. 135 Green belt area has been shown in the drawings and the same is provided in Corrigendum-3.	We presume that Green Belt Area consideration as per the Master Plan provided in corrigendum-3 only, and this will suffice the requirement of the project. Kindly confirm.	The green belt area has been shown in the master layout plan as per statutory norm (1/4th of plot area i.e. 37 acres) shortages if any shall be made up by covering additional area wherever available.
24	Master Plan	Master Plan Layout	Kindly provide us with the Master Plan Layout in CAD format.	Shall be Provided in corrigendum-4.



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25	1.6.2 Coach/Car Inspection & Testing facility NIT Document Page 61 of 189	The Inspection Pit: Inspection pit of size 1.5 m(D) x 3.5m(W) below each of the combination tracks (Broad gauge & Standard gauge) of inspection & Testing Bay shall be provided in a length of 200m of Rail track length measured from the Northern side of the bay with an offset of 50m from the end.	As per RFP document the pit size is of 1.5 m(D) x 3.5m(W) and as per the latest Corrigendum the size of pit is pit of size 1.5 m(D) x 2.5m(W). Kindly confirm which needs to be followed & provide us with the location	Revised floor plan of Inspection & testing block will be provided in corrigendum-4
26	1. Corrigendum-3 Merged Documents (Pre-bid Meeting – BEML Response to Pre-bid Queries from Bidders - Set 2) 2. Corrigendum-3 Merged Documents (Annexe Buildings Floorwise Tentative Sitting Plan)	Corrigendum-3 Query No. 36 Kindly provide the locations and layout details of the Control Room(s) and IBMS Room(s)	We presume that the location of the Control Room and IBMS Room in the Annexe building is in Unit 4 only. Kindly confirm.	The Control Room and IBMS Room in the Annexe building is in Unit-6.



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27	Corrigendum-3 Merged Documents (Facilities-wise Material schedule)		As per Corrigendum-3 for the below given buildings WPC door is given in the document, however fire doors requirement is not mentioned. Kindly confirm the whether fire doors is required. 1. Water Supply & Fire Water Pump House 2. MRSS 3. Compressed Air Station 4. STP Plant 5. Raw Material Storage Yard 6. Canteen Building 7. Fire Station 8. OHC 9. Main Gate Complex with security Office 10. Gate complex for Railway Siding	Follow as per tender conditions. However provision shall be made as per fire Norms.
28	1. Technical specification (Page No. 41 of 236) 2. Corrigendum-3 Merged Documents (Facilities-wise Material schedule)	Type of paints for walls & ceiling.	As per the technical specification document there are two type of paint given-Acrylic emulsion paint & Acrylic oil bound distemper (for walls & ceiling), however corrigendum 3 specifies only Acrylic emulsion paint. Kindly confirm the type of paint to consider.	Acrylic emulsion paint to be considered
29	1. Drawings PDF_c.pdf (Page No. 19 of 23) 2. Corrigendum-3 Merged Documents (Facilities-wise Material schedule)	Gas bank outer wall height	As per the drawing (Drawing PDF_c.pdf, Page No. 19 OF 23) , the Gas Bank Shed does not show outer block masonry wall. However, the corrigendum-3 Merged Documents (Facilities-wise Material Schedule), a 1.2m high AAC block masonry of 200mm thk is specified. Kindly confirm the height of outer wall of Gas Bank shed.	Yes, confirmed



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30	1. Drawings PDF_c.pdf (Page No. 18 of 23) 2. Corrigendum-3 Merged Documents (Facilities-wise Material schedule)	Fire station building outer wall	As per the drawing (Drawing PDF_c.pdf, Page No. 18 OF 23), wall of the Fire station building are shown as a AAC block masonry wall. However, the corrigendum-3 Merged Documents (Facilities-wise Material Schedule), AAC block masonry is specified only up to 3m from FFL, and the remaining height is to be constructed using galvalume sheets. Kindly confirm the height of outer wall of Fire station building.	Refer corrigendum-4
31	1. Drawings PDF_c.pdf (Page No. 23 of 23) 2. Corrigendum-3 Merged Documents (Facilities-wise Material schedule)	Water supply and fire Water Pump House outer wall	As per the drawing (Drawing PDF_c.pdf, Page No. 23 OF 23), the water supply and fire Water Pump House, outer wall height is 2.4 m from FFL. However, the corrigendum-3 Merged Documents (Facilities-wise Material Schedule), AAC block masonry is specified only up to 3m from FFL, and the remaining height is to be constructed using galvalume sheets. Kindly confirm the height of outer wall of Water supply and fire Water Pump House.	Refer corrigendum-4
32	Corrigendum-3 Merged Documents (Annexe Buildings Floorwise Tentative Sitting Plan)	Annexe Building Floor plan	In Annexe Building, the floor-wise tentative sitting Plan is specified unit-wise and floor-wise. Kindly confirm wheather the floor-wise sitting plan provided in Corrigendum-3 shall be considered for planning and layout of annexe building.	Yes, confirmed. However the minor changes may be necessitate during executions being the plan tentative.



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33	1. Corrigendum-3 Merged Documents (CENTRALISED COMPRESSED AIR STATION) Plan 2. Corrigendum-3 Merged Documents (Facilities-wise Material schedule)	Centralised Compressed Air Station outer wall	As per Corrigendum-3, Centralised Compressed Air Station floor plan the height of wall is mentioned as 2.4m. However, the corrigendum-3 Merged Documents (Facilities-wise Material Schedule), AAC block masonry is specified only up to 3m from FFL, and the remaining height is to be constructed using galvalume sheets. Kindly confirm the height of outer wall of Compressed air station building.	Follow corrigendum-3
34	Corrigendum-3 Merged Documents (Annexe Building)	As per Corrigendum-3 Wall is considered as structural Glazing.	Kindly confirm whether this requirement applies only to the manufacturing facility-facing side, or if it is also required on the opposite wall.	Structural glazing applies to the manufacturing facility-facing side and also on the opposite wall.
35	Corrigendum-3 Merged Documents (CENTRALISED COMPRESSED AIR STATION)	As per corrigendum-3, compressed air station drawing is provided in PDF.	Kindly provided the Autocad file of Compressed Air Station.	Not available
36	Corrigendum-3 Merged Documents (1.6.4.4 Main Gate Complex with Security Office) Pg.no 25	Provision of sliding gate	Kindly clarify the requirement of sliding gate at both 7 (Main Gate Complex With Security Office) & 7A (As per Revised Master Plan) .	Gate-7A is a Hinged gate & Specification shall be followed as per PB Query-3 Serial Number-11.
37	Corrigendum-3 Merged Documents Pg.no 61	Structure at 7A in master plan	Kindly provide the details of facility 7A shown in master plan and clarify if any structure that is needed at 7A except a Sliding Gate	Gate shall have two segments one for incoming and another for outgoing. Each segments will have two leaf gate of size 6m (W) x 3m (H). No structure other than the gate itself is envisaged at 7A.



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Name of the Work: 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) on EPC Mode.

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Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/ Clarification by Customer
38	Corrigendum 3 (107) Pg.no 8	OVERHEAD INFORMATORY SIGNAGE Signages shall be provided at following facilities/location: 1. Name of the plant at main entrance gate with BEML logo. 2. Name of the gate with Gate Number at all gates with BEML logo. 3. Name of the facilities and capacity (wherever applicable) at the entrance of the facility. (Example: STP-250 KLD, Manufacturing block No-01, Inspection & Testing Bay No-01.etc.) 4. Direction boards at prominent places like road junctions / entrance gate etc. 5. Signage for Emergency Assembly Point	We presume only signages mentioned in the corrigendum 3 document will be in our scope. Kindly confirm	Yes, confirmed.
39	1. Technical specification (Page No. 36 of 236) Clause No.- 4.2	Kota stone size	As per the technical specification document for Other utility and service building, the staircase flooring and skirting is mentioned as 25mm thk kota stone slab.. Kindly clarify the size of kota stone slab.	It should be in full length of the tread & riser. And at landing the size of stone slab to be chosen such that it is aesthetically pleasing
40	Facade PMU Testing Corrigendum-3 (107); Page # 3/26	The following performance tests are to be conducted on structural glazing system, if area of structural glazing exceeds 2 500 m ² from the certified laboratories, as per the specialist literature: NATIONAL BUILDING CODE OF INDIA 2016	As per NBC 2016, a Performance Mock-Up (PMU) test is required when the total structural glazing area exceeds 2,500 m ² . Based on our BOQ, the total structural glazing area is less than 2,500 m ² . Therefore, the Performance Mock-Up (PMU) test for the structural glazing system is not applicable for this project.	Codal provisions to be followed. However the EPC contractor to ensure the durability and steadiness of the structural glazing system by adhering to quality standards and its best engineering practices.



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Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/ Clarification by Customer
41	Raw Material Storage Yard Corrigendum-3 Building wise schedule, page # 4/6	Roofing shall be color coated Galvalum Sheet	As per the Technical Specification (Page 28 of 262, Point No. 2), PUF insulated panels shall be used for roofing in all facilities except the manufacturing and testing blocks, where rock wool insulated panels are specified. However, the Corrigendum-3 specifies Galvalume roofing sheets for the Raw Material Storage Yard. Kindly confirm the final roofing material to be considered for the Raw Material Storage Yard, as there is a discrepancy between the Technical Specification and the Corrigendum-3	follow corrigendum-3
42	Canopy above rolling shutter & doors Building wise schedule. Page # 1/6	Overhead canopy size & material specifications for Manufacturing facility & other blocks	Kindly confirm canopy sizes & material specifications.	Follow tender conditions
43	Annex Building Building wise schedule. Page # 1/6	Structural Glazing for wall	Kindly confirm whether the 24 mm DGU glass (6 + 12 + 6 mm) is to be considered only for the internal glazing wall between the annex building and the factory, or if it shall also be used for the external wall building façade. Please confirm the applicable scope and glass specification.	Follow the same configurations on both sides
44	MS Grill for Alum. Sliding Windows Building wise schedule. Page # 1/6	MS Grill	Kindly please provide ms Grill specification & conceptual drawing.	Bidder to assess and quote. From safety angle it is vital that not all window grills are permanently fixed. For emergency fire escape as per building and safety regulations, openable and retractable grills at designated emergency exit window/opening to be provided with internal locking arrangements



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Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/ Clarification by Customer
45	Glass for sliding windows Building wise schedule. Page # 1/6	(I) visible Light transmittance (VLT) of More than 40% (II) SF/Solar Heat Gain Coefficient Less than or equal to 0.27 (III) U value of Less than or equal to 1.6 W/m2 degree K	If the specified performance criteria are required to be achieved for the sliding windows as well, then the sliding windows should also be provided with 24 mm thick DGU glass (6 + 12 + 6 mm). Kindly confirm the glass specification to be considered for the sliding windows.	If the window is part of façade and adjoining façade is of structural glazing, the same specification for window glass as that of structural glazing shall be followed.
46	General Corrigendum-3 Merged Documents	Sl - 10, Chapter – 4 - wall envelope. - Tender Specifications Masonry Wall, Flooring, Painting, Doors & Windows and Other Civil Works - Wall Cladiing	Galvanised sheeting is used in cladding with 0.6mm TCT. ECBC 2017 mandates U value factor of 0.4 W/m2K or less for project as per location and typology. Approx U value factor for Galvanised sheeting is in range of 5.7 to 6.0 W/m²K . kindly confirm if any consideration of insulation is done to achive mandatory requirment of ECBC compliance for wall envelope.	No Insulation is envisaged so far. Follow tender condition.
47		General	Kindly confirm whether the provisions of Section 12 (Design and Detailing for Earthquake Loads) of IS 800:2007 are applicable to the proposed structures, considering that the project is located in Seismic Zone II.	Looking into massive structural hieght, heavy dynamic loading, two storey rigid framing system and capacity design requirement, section 12 of IS 800:2007 shall be necessarily applied while designing.
48	Drawings Typical Cross Section of Car Fabrication & Assembly (Manufacturing Block)		For the Car Fabrication & Assembly (Manufacturing Block), the drawings indicate the top of deck slab at EL. +18.700 m and the top of steel beam at EL. +18.500 m, implying a 200 mm deck slab thickness. Kindly confirm whether the 200 mm slab thickness is mandatory or may be revised as per detailed structural design requirements.	Minimum 200mm thickness shall be required.



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Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/ Clarification by Customer
49	Drawings Typical Cross Section of Car Fabrication & Assembly (Manufacturing Block)	General	Kindly confirm the minimum vertical clearance (headroom) to be maintained above the crane in the Car Fabrication & Assembly (Manufacturing Block) for structural design purposes.	Maintain 1.2 m between the top of the crane bridge and lowest roof obstruction. For this purpose the clearance shown in the autocadd drawing may be ignored.
50		General	For the Car Fabrication & Assembly (Manufacturing Block) and Car Inspection & Testing facility, kindly confirm whether any restrictions apply to the column base support condition. If not, may the column base support condition be considered as pinned or fixed based on the detailed structural design requirements?	Follow tender conditions.
51		General	For the Car Fabrication & Assembly (Manufacturing Block) and Car Inspection & Testing Facility, kindly confirm whether the end frames are required to be designed as future expandable, or whether no future expansion is envisaged.	No future expansion is envisaged in proposed manufacturing block & inspection and testing bay.
52		General	Kindly clarify the section classification to be adopted as per Table 2 of IS 800:2007 (Limiting Width-to-Thickness Ratio) for the design of steel members. Please confirm whether Plastic, Compact, or Semi-Compact sections are to be considered.	Bidder to decide and quote.
53		General	For the Car Inspection & Testing Facility, no internal staircase is shown in the tender drawings. Kindly confirm whether an internal staircase is required. If yes, please specify whether it shall be RCC or structural steel.	Not required.



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Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/ Clarification by Customer			
54	Technical Specification Chapter 18, List of Approved Makes	<table><tr><td>28</td><td>EOT</td><td>Cranex, Reva Industries, Unique Industrial Handler, Sparkline Equipment Pvt. Ltd. GRIP Engineers, Anupam Industries limited, Smaco Engineering Pvt. Ltd., Mukund Cranes, Fafeco Engineers Pvt. Ltd.</td></tr></table>	28	EOT	Cranex, Reva Industries, Unique Industrial Handler, Sparkline Equipment Pvt. Ltd. GRIP Engineers, Anupam Industries limited, Smaco Engineering Pvt. Ltd., Mukund Cranes, Fafeco Engineers Pvt. Ltd.	Kindly specify the crane vendor whose loading data shall be adopted for structural design from the list of approved vendors provided in the Technical Specifications.	Bidder to decide and quote.
28	EOT	Cranex, Reva Industries, Unique Industrial Handler, Sparkline Equipment Pvt. Ltd. GRIP Engineers, Anupam Industries limited, Smaco Engineering Pvt. Ltd., Mukund Cranes, Fafeco Engineers Pvt. Ltd.					
55	Corrigendum-3 Page: 120	Single Line Diagram	As per the latest corrigendum, the revised Single Line Diagram (SLD) indicates the addition of two (02) nos. of 33/11 kV transformers for the Test Track. However, the transformer capacities (kVA/MVA ratings) are not indicated in the revised SLD. Please confirm the same.	Ratings For 33/25 KV Transformers for the Test Track is as below; KVA: 2500 Primary: 33000 V Secondary: 25000 V types of cooling: ONAN Frequency: 50Hz Impedence: 4 to 6% Specifications: As per IS 2026 PT and CT should be mounted inside the tank. Separate CT for WTI Accuracy class : 1 For Further, Kindly refer SLD for more details regarding facilities/utilities provided in the bay.			
56	Technical Specification Painting Section		The technical specification mentions the provision of a Paint Area. However, the tender documents do not clearly specify the electrical scope associated with this area. Kindly confirm the same	For paint booth 200KW may be considered as connected electrical load.			



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57	Technical Specification Painting Section		Kindly confirm whether air conditioning or ventilation is required for the painting section. A) If air conditioning is required, kindly provide the following details: Required temperature range Required relative humidity (RH) Any other environmental requirements applicable to the painting process B) If ventilation is required, kindly provide the following details: Required fresh air quantity Required exhaust air quantity Any specific ventilation standards or additional requirements for the painting section Required material of construction (MOC) for the ventilation ductwork, if any specific material is to be used.	No Air conditioning is envisaged. Unconnected query



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Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/ Clarification by Customer
58	Crane	Crane Details Considered:- Crane parameter considered for 25MT ; *Wheel Base -4.6m *Crab Weight - 8.0 MT *Bridge Wt -35.5T *Wheel Load -23.4 T-234KN *Impact 25% For Max Wheel Load *Max Wheel Load = 234 KN * 1.25 = 292.5 KN *Wheel Base = 4.6 M The crane headroom clearance shall be 2.8 m for the cranes in Ground Floor Plan.	We have considered following data of crane for designing Manufacturing block. Kindly confirm if its acceptable.	Bidder to assess and quote
59	Extention.		The Pre-Bid Query Replies issued on 3.07.26 & 10.07.2026 contain substantial changes to the design, drawings, and BOQ, significantly impacting Design,engineering, quantity estimation, and costing. We therefore request extension of the tender submission date, by 20.08.2026, to enable us to incorporate the revised requirements and submit a comprehensive and competitive bid.	Timeline given for Bid submission to be strictly adhered to. No further extension shall be permitted.
60	Drawing Drawing-03 Car Body Manufacturing Shop		Roof slope should not be more than 1:15 from water leakage point of view , since roof is of trapezoidal sheeting with sandwich panel. However, in the drawing 1:60 slope is given. Please confirm.	Proposed Slope is acceptable.
61	Cl. 2.18 Technical Specification	Steel structures shall generally be of welded construction. Site connections shall be either by permanent bolts or by erection bolts followed by site welding	As per clause no 2.18 it is understood that both welded & bolted connection are allowed. Please confirm.	Yes, Confirmed



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Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/ Clarification by Customer
62	Cl. 2.22 Technical Specification	"Factory-manufactured double skin Rock Wool Sandwich Roofing Panel of Pre-painted galvanized steel sheet (AZ150 & AZ300) of weather resistant coating with rock wool Density of minimum 100 kg/m ³ and 80 to 100mm thickness of roofing panel with thermal conductivity: ≤ 0.42 W/sqm, as 2 hours of fire rating as per class A1 as per EN-13501-1 / equivalent."	Rock Wool sandwich panel sheeting need AZ quoting 150 or 300GSM , we need specific GSM.	AZ150
			As per Technical Specification Rock wool parameters are mentioned where thermal conductivity: ≤ 0.42 W/sqm and Density of minimum 100 kg/m ³ and 80 to 100mm thickness of roofing panel. Please note the same thermal value can be achieved with 100mmthickness and 48Kg/m3. If 100 kg/m3 density is considered a 12m panel can weigh from 96Kg to 120Kg based on density, which is difficult to handle manually at such height. Hence, please reconsider the density.	Follow Tender Conditions
63	General		Can bidder suggest different material of construction partially for car manufacturing shed considering the heavy load on first floor, if functional and space requirement is satisfied as per technical requirement, make the structure more robust within stipulated schedule. Please confirm.	Follow tender Condition
64	General		Can bidder make modifications in the layout for ancillary units without altering functional requirement and battery limit area. Please confirm.	Yes, It is permitted



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65	General		If we consider PEB construction whether other country code like AISC can be followed.	This can be used in tandem with applicable Indian standards and codes Viz IS 800, IS 801 / IS 811, IS 875, IS 1893, IS 2062 etc.
66	General PB reply set 1 point no 322 & Note 1 of TS page 27 of 261	Type of roof of canteen building is steel.	Only dining area shall be considered as steel roof. Please confirm. However, it will create difficulties during detail engineering as the central portion remains of RCC roof and only dining areas are of steel roof. Due to larger span necessary RCC design can be done, which will bring uniformity and simplicity in detailing and will be better option from water tightness condition.	Follow Tender Conditions, Only dining area shall be considered as steel roof.
67	General PB reply set 1 point no 327	No deflection is permitted due to high level of robotics welding involved for the manufacturing of coaches.	No deflection criteria is not possible. There will be always some deflection under any load. Limited relative deflection within the floor may be possible.	The intent is to maintain the accuracy of robotic welding machine. Therefore, deflection criteria provided in relevant IS code may not be suitable for the reasons where this robotic machines are planned at 1st floor bays. It is suggested to consider 50% of the allowable deflection provided in IS code.
68	General PB reply set 1 point no 330 & MEC-I0047-01-48-D1-XX-15-DR-A-01100 R2.0 received along with Corrigendum-3	No underslung crane is required for compressor room.	Underslung crane of capacity 5T shown in revised drawing. Hence mismatch with PB reply & drawing.	Revised drawing is enclosed with correction.
69	General NIT Page-53, 53 and Corrigendum-3 , page-26	Sr. 147, Prebid Set-2, Reply as " Please refer corrigendum-3"	Please confirm whether the area grading to be done for complete area within the project boundary wall or the area grading has to be done only at the various plant and non-plant buildings area locations. The is very critical query as the project timeline and the cost would depend on the same. Nothing has been mentioned at Corrigendum - 3 in this regard.	Grading and levelling has been tentatively marked in the master layout drawing (MEC-I0047-01-14-D1-ZZ-ZZZ-DR-J-10100) Uploaded with Corrigendum-03



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70	Railway Track Prebid Set-2, Page20, Sr.106	The proposed track shall be designed using Long Welded Rail (LWR)	As per the applicable codal provisions and design limitations, the entire track cannot be constructed as LWR. Accordingly, the track will comprise a combination of LWR with SEJ and fish-plated rail joints. Fish-plated joints will be provided at selected locations on the sharp curves, particularly on the 8° to 12° curves. providing LWR with Switch Expansion Joints (SEJs) over such a short track length would increase future maintenance requirements and is therefore not considered technically advisable. Nevertheless, if the client specifically requires an LWR arrangement with SEJs, the design can be developed accordingly.	In combination, the track can be designed and constructed.
71	Gas Bank Prebid Set-2, Page23, Sr.125	The gases shall be utilised in bay 1 and bay 3 of 1st floor of manufacturing block where the fabrication activities are envisaged. The piping layout to be accordingly assessed and quoted by the bidder.	Please clarify, the number of cylinders required for each gas manifold (Oxygen, Argon, AOM and ACM) of each category.	The bidder to consider 3-days requirement of these gases which is already provided in Technical specifications Page No. 206 of 269.



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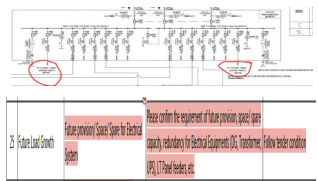
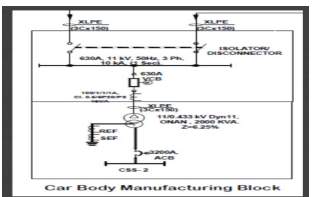
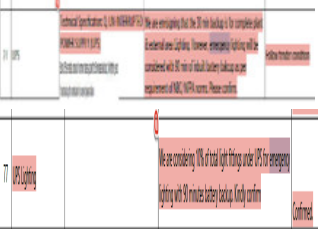
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Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/ Clarification by Customer
75	Lighting Transformer TECHNICAL SPECIFICATION BRAHMA Page no. 80	C. LIGHTING TRANSFORMER: To cater to illumination, need of the plant, required no. of 11/0.433kV and 415/433V Lighting transformers of suitable capacity has been considered as applicable.	We understand that these 2 nos. 500 kVA lighting transformer (1W+1S) for Car Body Manufacturing & Inspection & testing bay only & not for other blocks & external lighting. Please confirm.	All lighting loads will be connected to 500KVA transformer, Including Bay lights, Blocks and external lighting. Incase of overload, Provision should be ensured to operate both the transformer paralely.
76	Future Spare Provision Set - 2 PB Replies_FLM0507		We are not considering any future space provision for equipment sizing of DG, Transformers. We considering 10% spare feeders in LT Panels & SMDB's. Kindly confirm.	Follow tender condition and in pre-Bid queries 20% spare feeder for LT is confirmed as per serial number 165 page 34 of 34 published in corrigendum-1
77	Car Body Inspection & Testing Block Corrigendum-1		Kindly share the LT distribution of Car Body Inspection & Testing Block as a dedicated CSS of 2000kVA has been considered as per SLD received with the addendum -1.	Bidder to assess and quote.
78	UPS backup Set - 2 PB Replies_FLM0507		There is mismatch between query response. We are considering 90 minutes battery backup for emergency lighting (10% of total lighting on emergency) & for workstation 60 minutes backup. Kindly confirm.	Confirmed



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Pre-bid Meeting – BEML Response to Pre-bid Queries from Bidders - Set 3

Dated: 18/07/2026

Name of the Work: 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) on EPC Mode.

Tender Notice No. :6300040573 dated 25.05.2026

Sl. No.	RFP Clause Ref. and Page No.	Content of RFP requiring Clarification	Bidder Queries	Response/ Clarification by Customer
79	General	Landscape lighting	We are considering only street light for roads & highmast light fixtures for green area of the project. Decorative lighting is not considered. Kindly confirm.	Confirmed.
80	General	Facade lighting	We are not considering facade light system for this project. Kindly confirm	Confirmed.
81	Road Prebid Set-2, Page3, Sr.11	constructed on EPC mode. Hence, the bidder is required to assess themselves the type of vehicle as per the requirement of the proposed facilities, codal provisions and quote accordingly.	Though the class of traffic is mentioned as "Class-A" for pavement design; the frequency of traffic per day is not clear yet. We have assumed 10 veh./day kindly confirm.	The subject NIT is for establishment of a coach manufacturing facility with the production capacity of 350 coaches per annum on EPC mode. Bidder to assess the vehicular traffic and quote accordingly.
82	Storm Water Drain Prebid Set-2, Page3, Sr.12	Bidders have to collect local meteorological data themselves for designing purpose	Return period of 10 years is considered for storm water drain design, please confirm.	Return period of 15 years to be considered for design of storm water drainage system.
83	Railway Electrification (OHE) Prebid Set-2, Page3, Sr.13	1. Topo survey report (CAD) has already been shared in NIT. 2. Take off point from main line of Obaidullaganj to Coach Factory is not under the scope of EPC contractor. 3. Scope of 25KV OHE from Main to Coach factory and Coach factory Siding is in ECP contract. 4. ROW Scope for Track laying from Main Line of Obaidullaganj to Coach factory is not in the scope of EPC contractor. 5. S & T (Signalling and Telecommunication) - Not under the scope of EPC contractor.	In Sr.3 , Its not mention that, the 25KV OHE connection between plant boundary to Obaidullaganj main supply line in whom scope. Please clarify the connection under the contract scope . If Yes, Please share the connection length/ TKM.	The 25KV OHE connection between plant boundary to Obaidullaganj main supply line is not in scope of EPC contractor.
84	Design Load		Please confirm live load on roof of manufacturing building. Whether 0.75kN/sqm is sufficient or we have to consider 1.5kN/sqm.	As the roof is accesssible which is already mentioned in specifications load applicable for accessible roof to be considered.



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85	General Prebid Set-2, Page14, Sr.67	Heavy duty interlocking paver blocks 80mm thick M65 of approved colour combination and shade shall be used in the area other than plinth protection and Road.	As per IS 15658-2021, table-1, The maximum highest grade of paver block is M55. Whereas in prebid, its mention M65. Please clarify	M55 Grade paver block may be used.
86	General Prebid Set-2, Page14, Sr.68	The disposal of surplus excavated soil/ rock shall be the responsibility of EPC contractor including identification of suitable disposal site outside the plant boundary without any cost implication to BEML	Disposal of surplus earth outside the project premises would require permission from local authorities which would attract additional time and cost and its one of the biggest risk on the project. In this regard, we request you to kindly provide us the location for disposal within a defined distance so that all the Bidders are at par. All permission should be in the scope of the Employer only. Further , please confirm whether Royalty would be applicable in case the earth / rock is disposed at the location outside site premises.	Bidder to assess as per local laws and quote accordingly
87	NIT Page-43 , Clause 1.4.1, Part-3, III	CTO - EPC Contractor's Responsibility	CTO cannot be taken in the Contractor's name and it would have to be obtained in the name of owner/Employer as per State Pollution Control Board guidelines. Contractor will extend its support to the Employer with the formalities for obtaining the CTO. Any cost/expenses towards the same to be borne by the Employer. In case the contractor is required to pay the same, it should be reimbursed by Employer on submission of documentary evidences. Please confirm.	The scope, roles and responsibilities of EPC contractor are very well defined in scope of work under statutory approvals clause no. 1.4.1 in NIT The statutory payments or fees made to Statutory Authority/ local bodies by the EPC contractor shall be reimbursed by BEML on production of proof of such payments. follow tender conditions.
88	General		Please provide approximate axel load data for Goliath crane & Traverser	Refer Corrigendum-4



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89	EMD Bid Gurrentee Annexure-7	Bid Gurrentee format	In Bid Gurrentee format "NOTWITHSTANDING" clause not mention whereas its mandatory for bank to write this clause to be , else the BG become Open ended. Please provide confirmartion to mention "NOTWITHSTANDING CLAUSE" in Bid Gurrentee. The clause as mention, The liability of the Guarantor under this Guarantee shall not exceed Rs. ... (the“GuaranteeAmount”). This Guarantee shall be valid up to (the “Expiry Date”). Notwithstanding anything to the contrary contained herein, no obligation of the Guarantor to pay any amount under this Guarantee shall arise prior to the fulfilment of the following conditions precedent: (a) written claim/demand(s) in terms of this Guarantee of an aggregate amount less than or equal to the Guaranteed Amounts is/are made by the Beneficiary hereunder; and (b) such written claim/demand(s) is/are delivered to the Guarantor on or before the Claim Expiry Date at the Bank branch	Follow the format as given in the NIT.
90	BID SUBMISSION	Bid Submission due date - 30.07.2026	Need time extention for BID Submission for 15days after receiving final query reply	Timeline given for Bid submission to be strictly adhered to. No further extension shall be permitted.



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91	Price escalation		Requested to reconsider the Price Variation provisions and extend the applicability of escalation/de-escalation to other major cost components, including but not limited to: 1. Structural Steel Sections and Fabricated Steel. 2. Bitumen and Petroleum Products. 3. Diesel and Fuel., 4. Electrical Materials including Cables, Conductors and Switchgear. 5. Pipes and Utility Materials. 6. Labour Component. 7. Plant & Machinery Operating Costs. 8. Other construction materials having significant contribution to the project cost. Alternatively, a composite Price Adjustment Formula based on recognized indices such as WPI/CPI and relevant commodity indices may be adopted for equitable compensation of cost fluctuations during the contract period.	Follow tender Condition
92	Qualification Criteria for Key Personnel		It is observed that the minimum educational qualification prescribed for a majority of the key personnel positions continues to be a Master's Degree. In this regard, the Contractor had already represented that the minimum educational qualification for Senior Key Personnel may be considered as a Bachelor's Degree in the relevant engineering discipline, while for Junior Key Personnel, a Diploma or Bachelor's Degree may be prescribed depending upon the nature of the position.	Refer corrigendum-4