



BEML LIMITED

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

BEML RAIL HUB FOR ADVANCE MANUFACTURING (BRAHMA), BHOPAL- MADHYA PRADESH

Tender No. – 6300040573

Corrigendum-1

Tender description- Title : **Engineering, Procurement & Construction** pertaining to establishment of Rail coach factory including Civil Construction of manufacturing block, 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 Umari village, Obaidullaganj, District- Raisen, Madhya Pradesh (India) PIN code 464993 on EPC Mode

Corregendum-1

With respect to the described work, Corrigendum -1 to be read as mentioned below:

S L	NIT Clause No. & NIT Page No.	Corrigendum	
		FOR	READ AS
		Number based criteria for - Experience in similar	

1	Page No. 26 of NIT	nature of work For Example, Similar work value eligibility, 3 similar works of each more than Rs.162 Cr. which will fetch 6 marks. Additionally, <table><tr><td>Marks for 04 Contracts</td><td>1.3</td></tr><tr><td>Marks for 05 Contracts</td><td>2.7</td></tr><tr><td>Marks for 06 Contracts</td><td>4</td></tr></table> Same formulation shall apply for Rs. 269 Crore & 431 Crore of bid estimated value of similar work also. Score formulation of Machinery is as below:	Marks for 04 Contracts	1.3	Marks for 05 Contracts	2.7	Marks for 06 Contracts	4	Stands Deleted
Marks for 04 Contracts	1.3								
Marks for 05 Contracts	2.7								
Marks for 06 Contracts	4								
2	E. Technical Bid – Part– A1 (Quality and cost-based selection) , SI no. 21,	The Bidder should have in-house engineering Capability and/or should associate with a capable design firm necessarily in the field of Civil & Structure and MEP out of the following disciplines i. Civil & Structure	The Bidder should have in-house engineering Capability in the following disciplines: i. Civil & Structure ii. MEP iii. IT & Data Communication						

	Page no. 15 of NIT	ii. MEP iii. IT & Data Communication For IT & Data Communication the bidder is required to submit an undertaking that in case they become successful bidder, they will engage an expert agency with the approval of BEML to execute the works pertaining to this field. Bidder is required to submit Organogram of engineering setup available with them. And they should have successfully executed. minimum 02 projects pertaining to Railway workshops/ Industrial/commercial/Institutional Project involving all above disciplines during last 07 years with In-House Capability in at least Civil & Structure and MEP discipline. In case of association with design firm, the credential of design firm(s) should be submitted along with the bid.	In case the bidder doesn't have in house engineering Capability in any of the above disciplines, they are required to submit an undertaking that in case they become successful bidder, they will engage an expert design/engineering firm of relevant discipline having proven credentials with the approval of BEML to execute the works. In that case, bidder is required to submit the credentials of the firm(s) whom they propose to tie up with for execution. Credentials shall include nature & type of firm, experience certificate & firms' organogram. Bidder is also required to submit Organogram of engineering setup of above disciplines available with them.
3.	F. Scoring criteria, Page no. 21 of NIT (Experience in similar nature of works, 2,F)	The Bidder should have in-house engineering Capability and/or should associate with a capable design firm necessarily in the field of Civil & Structure and MEP out of the following disciplines i. Civil & Structure ii. MEP iii. IT & Data Communication	The Bidder should have in-house engineering Capability in the following disciplines: i. Civil & Structure ii. MEP iii. IT & Data Communication In case the bidder doesn't have in house engineering Capability in any of the above disciplines, they are required to submit an

	For IT & Data Communication the bidder is required to submit an undertaking that in case they become successful bidder, they will engage an expert agency with the approval of BEML to execute the works pertaining to this field. Bidder is required to submit Organogram of engineering setup available with them. The Bidder should have successfully executed Minimum 02 projects pertaining to railway/workshops/industrial/commercial/Institutional Project on EPC mode each valuing not less than Rs. 216 Crore during last 07 years with In-House Capability in at least Civil & Structure and MEP discipline.	undertaking that in case they become successful bidder, they will engage an expert design/engineering firm of relevant discipline having proven credentials with the approval of BEML to execute the works. In that case, bidder is required to submit the credentials of the firm(s) whom they propose to tie up with for execution. Credentials shall include nature & type of firm, experience certificate & firms' organogram. Bidder is also required to submit Organogram of engineering setup of above disciplines available with them.
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4.	SUBMISSION OF BIDS IN SRM PORTAL AND ELIGIBILITY & QUALIFICATION CRITERIA A.O- Price variation clause , Page no. 35 of NIT	1. Such compensation for escalation in the prices of materials, when due, shall be worked out based on the following provisions: $V = P \times Q \times (CI - Clo) / Clo$ where, V = Variation in material cost i.e. increase or decrease in the amount in rupees to be paid or recovered. P = Base Price of material as issued under the authority of DG(W), CPWD or concerned Zonal Chief Engineer as mentioned above, valid at the time of the last stipulated date of receipt of tender including extensions, if any, Q = Quantity of material brought at site for bonafide use in the works since previous bill. Clo = Price index for cement, Reinforcement bars TMT Fe500 D and structural steel as issued by the DG(W), CPWD as valid on the last stipulated date of receipt of tenders including extensions, if any. All India Wholesale Price Index for the material as published by the Economic Advisor to Government of India, Ministry of Industry and Commerce as valid on the last stipulated date of receipt of tenders including extensions, if any. CI = Price index for cement, Reinforcement bars TMT Fe500 D and structural steel as issued under the authority of DG(W), CPWD for period under consideration. For other items, All India Wholesale Price Index for the material for period under consideration as	1. Such compensation for escalation in the prices of materials, when due, shall be worked out based on the following provisions: $V = P \times Q \times (CI - Clo) / Clo$ where, V = Variation in material cost i.e. increase or decrease in the amount in rupees to be paid or recovered. P = Base Price of material as issued under the authority of DG(W), CPWD or concerned Zonal Chief Engineer as mentioned above, valid at the time of the last stipulated date of receipt of tender including extensions, if any, Q = Quantity of material brought at site for bonafide use in the works since previous bill. Clo = Price index for cement, Reinforcement bars TMT Fe500 D and structural steel as issued by the DG(W), CPWD as valid on the last stipulated date of receipt of tenders including extensions, if any. CI = Price index for cement, Reinforcement bars TMT Fe500 D and structural steel as issued under the authority of DG(W), CPWD for period under consideration.
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		published by Economic Advisor to Government of India, Ministry of Industry and Commerce.	
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5.	Page no. 145, B	B. CONTRACT NOT TO BE ASSIGNED OR UNDERLET AND CONSEQUENCE OF GRATUITIES BEING GIVEN: The contractor shall not assign or make over the contract to any other person, or underlet it, or make a sub-contract with any workmen or workman for the execution of any part of work(s), but shall employ his own workmen for the labour thereof, who shall be paid by him in wages by the day. And in case the Contractor assigns or makes over the contract, or underlet or make sub-contract, contrary to this clause or either himself or his agents give any gratuity to any employee of the Company, the company shall be at liberty to terminate the contract. Before out sourcing/sub-contracting part of total works to any specialised agency, the EPC contractor is required to obtain prior approval of M/s BEML. However, outsourcing of engineering works is not permitted except for IT & Tele-communication.	B. The Bidder should have in-house engineering Capability in the following disciplines: i. Civil & Structure ii. MEP iii. IT & Data Communication In case the bidder doesn't have in house engineering Capability in any of the above disciplines, they are required to submit an undertaking that in case they become successful bidder, they will engage an expert design/engineering firm of relevant discipline having proven credentials with the approval of BEML to execute the works. In that case, bidder is required to submit the credentials of the firm(s) whom they propose to tie up with for execution. Credentials shall include nature & type of firm, experience certificate & firms' organogram. Bidder is also required to submit Organogram of engineering setup of above disciplines available with them.EPC contractor is required to obtain prior approval of M/s BEML.
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6.	Annexure-11	LETTER OF TECHNICAL PROPOSAL If our Bid is accepted, we commit to mobilizing key equipment and personnel in accordance with the requirements set forth in Section 6 (Employer's Requirements) and our technical proposal, or as otherwise agreed with the Employer.	LETTER OF TECHNICAL PROPOSAL If our Bid is accepted, we commit to mobilizing key equipment and personnel in accordance with the requirements set forth key personnel (Employer's Requirements) and our technical proposal, or as otherwise agreed with the Employer.
7.	Annexure-10	Annexure-10 METHOD STATEMENT MOBILIZATION SCHEDULE CONSTRUCTION SCHEDULE WORK PLAN QUALITY ASSURANCE PROGRAMME Note: Above item bidder has to prepared in his own format & submit along with the technical bid for completing the project in stipulated time i.e 18 Months	Annexure-10 Understanding the Scope of project Design Concept Construction Methodology & Techniques to be adopted for Completing the project as per given timeline, logistics plan, site establishment (including porta cabin), Manpower deployment schedule Work Plan, QAP including proposed team structure Note: Above item bidder has to prepared in his own format & submit along with the technical bid for completing the project in stipulated time i.e 18 Months

8.	Sl no. 23, eligibility criteria of E. Technical Bid – Part– A1 (Quality and cost-based selection)	S. No.	Position	Qualification	No's of persons	S. No.	Position	No's of persons	Qualification
		1	Project Manager	Bachelor degree in Civil Engineering	1	1	Project Manager	1	Master's degree in Civil Engineering
		2	Construction Manager	Bachelor degree in Civil Engineering	1	2	Construction Manager	1	Master's degree in Civil Engineering
		3	Planning Manager	Bachelor degree in Civil Engineering	1	3	Planning Manager	1	Masters degree in Civil Engineering
		4	Planning Engineer	Bachelor degree in Civil Engineering	1				
		5	Design Manager	Bachelor Degree in Architecture or Civil Engineering	1				
		6	Lead Architect	Bachelor Degree in Architecture or Civil Engineering	1				
		7	Lead Structural Engineer	Masters in Structural Engineering	1				
		8	Sustainability Manager	Bachelor Degree in Environment/sustainability Engg.	1				

	9	Structural Engineer	Masters in Structural Engineering	1	4	Railway Engineer	1	Bachelor degree in Civil Engineering
	10	Lead Mechanical Engineer	Bachelor degree in Mechanical Engineering	1				
	11	Mechanical Engineer	Bachelor degree in Mechanical Engineering	1				
	12	Lead Electrical Engineer	Bachelor degree in Electrical Engineering	1	5	Design Manager	1	Masters Degree in Architecture or Civil Engineering
	13	Electrical Engineer	Bachelor degree in Electrical Engineering	1				
	14	Construction Engineer	Bachelor degree in Civil Engineering	2				
	15	HSE Engineer	Bachelor degree in Civil/ Mechanical Engineering	1	6	Lead Architect	1	Masters Degree in Architecture or Civil Engineering
	16	QA/ QC Engineer	Bachelor degree in Civil/ Mechanical Engineering	1				
	17	Quantity Surveyor	Bachelor degree in Civil Engineering	1				

			7	Lead Structural Engineer	1	Masters in Structural Engineering
			8	Sustainability Manager	1	Bachelor Degree in Environment/sustainability Engg.
			9	Structural Engineer	1	Masters in Structural Engineering

			10	Lead Mechanical Engineer	1	Master's degree in Mechanical Engineering
			11	Mechanical Engineer	1	Bachelor degree in Mechanical Engineering
			12	Lead Electrical Engineer	1	Master's degree in Electrical Engineering

			13	Electrical Engineer	1	Bachelor degree in Electrical Engineering
			14	Construction Engineer/ Road Engineer	2	Master's degree in Civil Engineering
			15	HSE Engineer	1	Bachelor degree in Civil/ Mechanical Engineering

			16	QA/ Engineer	QC	1	Bachelor degree in Civil/ Mechanical Engineering
			17	Quantity Surveyor		1	Bachelor degree in Civil Engineering
9.	Annexure- 14 PENDING LITIGATION AND ARBITRATI ON	Each Bidder must fill out this form if so required under Section iii Title “General” (Evaluation and Qualification Criteria) to describe any pending litigation or arbitration formally commenced against it. (Self declaration)	Each Bidder must fill out this form if so required under Section 2.5 (L) Requisite of Bidders Title “C. General Instructions to Bidders” to describe any pending litigation or arbitration formally commenced against it. (Self declaration)				

10.	Annexure-11	If our Bid is accepted, we commit to mobilizing key equipment and personnel in accordance with the requirements set forth in Section 6 (Employer's Requirements) and our technical proposal, or as otherwise agreed with the Employer.				If our Bid is accepted, we commit to mobilizing key equipment (Mutually agreed) and KEY PERSONNEL in accordance with the requirements set forth in bid, or as otherwise agreed with the Employer.																											
11.	7. DEPLOYMENT OF TECHNICAL STAFF AND EMPLOYEES S, C, Page no. 91-92	C. Equipment The Bidder shall deploy, as per the mutually agreed programme. The capacity of equipment plant and machinery of various MEP systems have been envisaged in the tendered work as per preliminary assessment and design basis report. Upon award, during planning, the requirement need to be re-assessed and finalized in consultation with BEML and system may be designed accordingly. As per the design of system BOM to be finalized and supply may be done accordingly in line with project schedule and requirement				C. Equipment The Bidder shall deploy, as per the mutually agreed programme.																											
12.	7. DEPLOYMENT OF TECHNICAL STAFF AND EMPLOYEES B. Requirement of Technical	<table><tr><th>Sl. No.</th><th>Minimum Qualification of Technical Representative</th><th>Discipline</th><th>Designation (Principal Technical representative)</th></tr><tr><td>1</td><td>Master's degree in Civil Engineering</td><td>Civil</td><td>Project Manager</td></tr></table>				Sl. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical representative)	1	Master's degree in Civil Engineering	Civil	Project Manager	<table><tr><th>S. No.</th><th>Qualification</th><th>Discipline</th><th>Position</th><th>No's of persons</th></tr><tr><td>1</td><td>Master's degree in Civil Engineering</td><td>Civil</td><td>Project Manager</td><td>1</td></tr><tr><td>2</td><td>Master's degree in Civil Engineering</td><td>Civil</td><td>Construction Manager</td><td>1</td></tr></table>					S. No.	Qualification	Discipline	Position	No's of persons	1	Master's degree in Civil Engineering	Civil	Project Manager	1	2	Master's degree in Civil Engineering	Civil	Construction Manager	1
Sl. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical representative)																														
1	Master's degree in Civil Engineering	Civil	Project Manager																														
S. No.	Qualification	Discipline	Position	No's of persons																													
1	Master's degree in Civil Engineering	Civil	Project Manager	1																													
2	Master's degree in Civil Engineering	Civil	Construction Manager	1																													

Representative(s) and recovery rate Page no. 90-91 of NIT	2	Bachelor degree in Civil Engineering	Civil	Construction Manager
	3	Bachelor degree in Civil Engineering	Civil	Planning Manager
	4	Bachelor degree in Civil Engineering	Civil	Railway Engineer
	5	Bachelor Degree in Architecture or Civil Engineering	Civil	Design Manager
	6	Bachelor Degree in Architecture	Architecture	Lead Architect
	7	Masters in Structural Engineering	Structural	Lead Structural Engineer
	8	Bachelor Degree in Environment/sustainability Engg.	Environment/sustainability	Sustainability Manager
	9	Masters in Structural Engineering	Structural	Structural Engineer
	10	Bachelor degree in Mechanical Engineering	Mechanical	Lead Mechanical Engineer
	11	Bachelor degree in Mechanical Engineering	Mechanical	Mechanical Engineer

				cal Engineer					
		1	Bachelor degree in Mechanical Engineering	Mechanical	Mechanical Engineer				
		1	Bachelor degree in Electrical Engineering	Electrical	Lead Electrical Engineer				
		1	Bachelor degree in Electrical Engineering	Electrical/Me	Electrical Engineer				
		1	Bachelor degree in Civil Engineering	Civil	Construct ion Engineer/ Road Engineer				
		1	Bachelor degree in Civil/ Mechanical Engineering	Civil Engg.	HSE Engineer				
		1	Bachelor degree in Civil/ Mechanical Engineering	Civil Engg. / Architecture	QA/ QC Engineer				
		1	Bachelor degree in Civil Engineering	Civil Engg.	Quantity Surveyor				
		12	Master's degree in Electrical Engineering	Electrical	Lead Electrical Engineer				
		13	Bachelor degree in Electrical Engineering	Electrical/Me	Electrical Engineer				
		14	Master's degree in Civil Engineering	Civil	Construct ion Engineer/ Road Engineer				
		15	Bachelor degree in Civil/ Mechanical Engineering	Civil Engg.	HSE Engineer				
		16	Bachelor degree in Civil/ Mechanical Engineering	Civil Engg. / Architecture	QA/ QC Engineer				
		17	Bachelor degree in Civil Engineering	Civil Engg.	Quantity Surveyor				
		Rate at which recovery shall be made per month from the contractor in the event of not fulfilling aforesaid provisions. (Monthly Deduction shall also be on prorata basis)							

SL	NIT Clause No. & NIT Page No.	For better Clarity purpose only	
2	F. Scoring criteria, Page no. 20 of NIT (Experience in similar nature of works, 2,A)	SCORING CRITERIA The bidder meeting the eligibility criteria will be evaluated by scoring method on the basis of details furnished by them 1. One similar* completed works of value each not less than Rs. 431 Crore value mentioned against work in the tender notice Or Two similar* completed works of value each not less than Rs. 269 Crore value mentioned against work in the tender notice Or Three similar* completed works of value each not	Scoring is on value pro-rata basis 60% in minimum eligibility If firm submits one similar completed works of value more than 832 crore - Firm will secure full Marks Value less than 832 but more than 431 crore will be calculated on pro-rata basis.

		less than Rs. 216 Crore value mentioned against work in the tender notice	
F. Scoring criteria, Page no. 20 of NIT (Experience in similar nature of works, 2,B)	The Bidder should have successfully completed an Industrial/infra structure/ commercial project during last 07 Executed on design and build basis with total construction area (Built up area) of Industrial Shed and RCC Buildings combined together should not be less than 43,500.00 Sqm (Design and Build)-	The Bidder should have successfully completed an Industrial/infra structure/ commercial project during last 07 Executed on design and build basis with total construction area (Built up area) of Industrial Shed and/or RCC Buildings combined together should not be less than 43,500.00 Sqm (Design and Build)-	
F. Scoring criteria, Page no. 20 of NIT	The Bidder should have successfully completed an Industrial/infra structure/ commercial project during last 07 Executed on design and build basis	60% is minimum eligibility	

	(Experience in similar nature of works, 2,B)	with total construction area (Built up area) of Industrial Shed and RCC Buildings combined together should not be less than 43,500.00 Sqm (Design and Build)-	If firm submits one completed similar completed works required criteria of order with more than 87,000 Sq m will secure full marks out of the allotted marks. Value in Between will be on pro-rata basis.
	F. Scoring criteria, Page no. 20 of NIT (Experience in similar nature of works, 2,C)	The bidder should have the credential of having executed civil construction works of similar nature or any work pertaining to Industrial/infra structure/ commercial Project (Involving Fabrication and /or RCC) of minimum value of Rs.20 Crore per month on an average in a completed contract. (This should be the billing amount against works and not the advance received, if any) Substantial documentary evidence to be provided in support of above- 6 Marks	If firm submits project pertaining to required criteria of minimum value of Rs. 20 Crore per month on an average in a completed contract, - Value of 40 Crore per month on an average in a completed contract will give full marks. Value in Between will be on pro-rata basis
3	F. Scoring criteria, Page no. 20 of NIT	The Bidder should have executed steel fabrication work to the tune of minimum 9,000 MT in a single contract. Performance certificate clearly specifying the details of project and	Bidder having executed single contract steel fabrication to the tune

	(Experience in similar nature of works, 2,D)	Tonnage of structural fabrication work satisfactorily completed, to be enclosed by bidder. - 6 Marks	of 18000 MT will get full marks, In between 9001 to 18000 will be on pro rata basis.
	F. Scoring criteria, Page no. 20 of NIT (Experience in similar nature of works, 2,E)	The bidder should have executed RCC Work to the tune of minimum 28,700 CuM in a single contract. - 6 Marks	The bidder having executed RCC work 57,400 CuM or more will get full marks, in between will get marks on pro-rata basis.

- Annexure- 4,16 & 25- where ever Financial statement of previous 03 years have been sought, this should be read as 2023-24, 2024-25 & 2025-26, Firm to furnish information accordingly.