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BHARAT HEAVY ELECTRICAL LIMITED, JHANSI

Specification No.	
Item No.	
Location	BHEL JHANSI

SPECIFICATION CUM SCOPE OF WORK FOR "Consultancy work for enhancement of cranable capacity at Bay- 9 and Bay 10 inside factory premises in BHEL Jhansi."

NOTE:-

1. Vendor to furnish the offer using this standard template of the specification. While furnishing the offer, no change is to be made in the first three columns (i.e. 'S.NO.', 'DESCRIPTION FOR BHEL REQUIREMENT' & 'ACTION BY VENDOR'). Only the "Offered" column and where applicable, the "Deviations" & "Remarks" Column of this format shall be filled in by the Vendor and submitted along with the offer. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses of the specifications/requirements shall be treated as non-loop language.

a	pplicable, the Deviations & Remarks Column of this format shall be theaten and submitted along with the other, inadequate / incomplete, ambiguous, or dissistant able throughouts any of the specifications/requirements shall be treated as non-
co	ompliance.
2.	. The offer and all documents enclosed with offer should be in English language only.
3.	Whereever "vendor to specify 'or "suitable" is mentioned, suitable backup data or calculation or justification is required for establishing the suitability.

NAME	& ADDRESS OF THE CONSULTANT:				
TELEP	HONE NOS.:				
FAX NO					
E-MAIL	ADDRESS:				
S.NO.		DESCRIPTION FOR BHEL REQUIREMENT	ACTION BY VENDOR	OFFERED	DEVIATION/ REMARK
	SCOPE The scope of work shall be including but	not be limited to the following:			•
1.1	Subject to their availability, the relevant foun based on which technical analysis / assessn drawings or elsewhere, physical examination etc. if any shall be arranged by BHEL.	Vendor to confirm			
1.2	fundamental principles of structural analysis.	one by the consultant on suitable civil design platform(s) such as Staad Pro, Midas-Gen etc. or conventional calculation method based on the Design calculations may consist of checks against design parameters such as sectional modulus, bending moment, lateral moment, shear calculations and revised propositions in the modified structures (if any) shall be submitted by the consultant in soft copies as well as spirally	Vendor to confirm		
1.3	All necessary field tests shall be conducted	by the consultant at site with his own testing apparatus/instrument at no extra cost over and above his awarded rates.	Vendor to confirm		
	ascertain stability of structural steel structure tandem) in Bay 9 and 125 MT through Single	ructure at Bay 9 and Bay 10 is required to be carried out. The consultant shall carry out the study and submit detailed report in order to and foundation to sustain the loading of 300 MT through Single EOT crane in place of existing 250 MT (2 Cranes of 125 MT are used in a EOT crane in place of existing 50 MT in Bay 10 by way of conducting Non-destructive testing as needed such as spectrometer analysis, analysis of verticality of columns through total station and rebound hammer test over foundation and any other test necessary to ascertain letails are:			
1.4		Bay 9	Vendor to confirm		
	Self Weight of 300 T EOT Crane (Approxima				
	Test Weight (125% of crane capacity)	375 T Bay 10	7		
	Self Weight of 125 T EOT Crane (Approxima				
	Test Weight (125% of crane capacity)	156.25 T			
		equired for designing of structure and BHEL shall provide the same on the basis of availability.			
1.5	Measures and recommendations for strengt Consultant in the report.	nening of Gantry Girders of Bay 9 and Bay 10 over which the above mentioned EOT cranes will be installed must be submitted by the	Vendor to confirm		
		nening of lifting girder of Bay 9 for lifting of 300 T EOT Crane & recommendation for erection of 125T EOT Crane in Bay 10 (alongiwth the or any other suitable procedure) for crane installation must be submitted by the Consultant in the report.	Vendor to confirm		
1.7	in the existing structures along with submiss	he existing support structures are found to be inadequate, consultant has to propose modifications/alterations/additions (if practically viable) on of design calculations for safe installation and operation of EOT crane (s) of enhanced capacity and / or installation of additional crane (s) ommendation must contain the Bill of Quantity for modifications work proposed by consultant along with the supporting drawings for	Vendor to confirm		
1.8	and scope) for suitability of the existing struc	nents will be vetted by any reputed govt. institution such as IIT's/NIT's/other Government reputed college or university (at Consultant's cost tural steel structure and foundation as per relevant Indian standards. No additional payment shall be made to consultant on this ground.	Vendor to confirm		
		concrete, Re-concreting, etc shall be in BHEL scope. Agency shall have to communicate timely for such enabling works.	Vendor to confirm		
	After the completion of modification work the BHEL in the existing Bay structure re-design	consultant shall provide "Structural Stability Report & Certificate" of proposed modification carried out by independent contractor on behalf of ed by them.	Vendor to confirm		
1.11	however, be provided to them by BHEL. Dur	adhere to the standard safety norms of BHEL while inspecting the site. Safety appliances such as safety helmet, safety belt, etc. shall, ing visual inspection, they may be required to climb upto crane level with all safety measures as mentioned above.	Vendor to confirm		
	The scope of work shall consist of all allied a above the awarded rates.	and enabling activities too (other than activities specified in point 1.9) for which nothing extra shall be claimed by the consultant over and	Vendor to confirm		
2.0	BHEL reserves the right to verify information	submitted by vendor. In case the information is found to be false/incorrect, the offer shall be rejected.	Vendor to confirm		