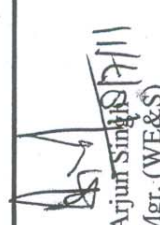
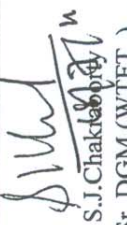


 Transformer Plant, BHARAT HEAVY ELECTRICAL LIMITED, BHEL, JHANSI.		Machine No	ME/1/1/2689-2798	Enquiry No. :
		Quantity	110 Nos	Due Date :
		Spec. No.	7011(B)	Supplier's Ref.:
				Date :
SPECIFICATION CUM COMPLIANCE CERTIFICATION FOR CAST IRON BED PLATES				
1 Vendor must submit complete information against clause no. 11.0 The offer meeting this clause would only be processed.				
2 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, or unsustainable information against any of the clauses of the specifications/requirements shall be treated as non-compliance.				
3 The offer and all documents enclosed with offer should be in English language only.				
4 The information provided by vendor in specification cum compliance certificate will supersede any other information provided by vendor.				
ADDRESS OF THE SUPPLIER :		ADDRESS OF THE INDIAN AGENT :		
TELEPHONE NOS.:		TELEPHONE NOS.:		
FAX NOS.:		FAX NOS.:		
E-MAIL ADDRESS :		E-MAIL ADDRESS :		
SCOPE: SUPPLY, ERECTION & COMMISSIONING OF CAST IRON BED PLATES COMPLYING WITH SPECIFICATION AS BELOW				
SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED	OFFERED	DEVIATIONS REMARKS
1.0	PURPOSE : Operation/ Job involved): Cast iron bed plates with T- slots shall be used for mounting, assembling and clamping the components of loco etc. during weld and assembly.			
2.0	SPECIFICATION:			
2.1	Cast iron bed plates shall confirm to BHEL drg. No.-BHE/JHS/WE&S/A 1-01066. It shall be made from plain grey iron castings conforming to grade FG-200 of IS:210-1993 or BS 1452-1961 Grade -14. Material test certificates as required by the indian standard shall be submitted along with the supply.	Vendor To Confirm		
2.2	Individual Bed plate size (approx) 3050 x 1525 x 178 mm as per BHEL drg. No. BHE/JHS/WE&S/A 1-01066	Vendor To Confirm		
2.3	Total No. of bed plates: 110			
2.5	T- slots (5 nos. in each bed plate at equal distance along 3100 length) shall confirm to BHEL drg. No.-BHE/JHS/WE&S/A 1-01066.	Vendor to Confirm		
2.6	The bed plates shall be marked at an appropriate place with designation and the manufacturer's name and trade-mark.	Vendor to Confirm		

SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED	OFFERED	DEVIATIONS	REMARKS
2.7	To facilitate proper evaluation of the offer, Sketches/ Drawings/ Catalogues etc. showing all details (of the offered bed plate) shall be submitted by the vendor.	Vendor to Specify			
3.0	FLATNESS ACCURACY.	Vendor to Confirm			
3.1	The flatness accuracy of each bed plate shall be within ± 0.125 mm. Inspection certificates with traceability shall be furnished by the vendor along with the bed plates.	Vendor to Confirm			
3.2	Vendor shall mention and explain in details, the method to be adopted for checking and recording the flatness accuracy during manufacturing and during pre-dispatch inspection by BHEL at vendor's works.	Vendor to Confirm			
3.3	A border zone of 20 mm width from the edges of plate, T-slots, holes or cored opening on the top working surface shall be excluded from the requirement of surface flatness accuracy provided no points within any of the border zone shall project higher than the remainder of the working surface of the floor plate.	Vendor to Confirm			
4	CONSTRUCTION:	Vendor to Confirm			
4.1	Details of wall thickness, ribbing pattern, levelling pocket and method to join the plates shall be informed by the vendor.	Vendor to Confirm			
4.2	The access holes for levelling shall be suitably closed, to avoid entry of coolants, dust, chips etc. into the pockets.	Vendor to Specify			
4.3	The bed paltes shall be finish machined on their top working surface as well as four sides at their periphery. Top surface may be hand scrapped to achieve the specified flatness accuracy. The cast iron bed plates shall be free from cracks, burrs, pits and other defects.	Vendor to Confirm			
5	LEVELING & ANCHORING SYSTEM	Vendor to Confirm			
5.1	All fasteners, clamping elements etc. required for grouting, levelling and joining of each plate on all the four sides, shall be specified and included in the offer but quoted separately.	Vendor to Specify			
6	ERECTION & COMMISSIONING	Vendor to Confirm			
6.1	Vendor shall submit the preliminary layout drawing for getting BHEL's approval within one month from the date of letter of intent (LOI)/PO whichever is earlier. Soil condition data will be furnished by BHEL along with the approval. Complete foundation design including details of reinforcement and final layout drawings shall be submitted by the supplier within one month after getting BHEL's approval. BHEL shall construct complete foundation under supervision of supplier and at supplier's responsibility. The vendor shall also indicate detailed specifications of grouting compound and Grouting procedure etc	Vendor to Confirm			
6.2	Supplier to take full responsibility for carrying out the erection,. Service requirement like power, air, shall be provided by BHEL at only one point to be indicated by supplier in advance. Other requirements like crane and requirements should be informed by vendor in advance.				

SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED	OFFERED	DEVIATIONS	REMARKS
6.3	The complete levelling and clamping of all bed plates in each zone (Zone area 7500 mm x 7000 mm) should be done by vendor.	Vendor to Confirm			
6.4	Tools, instruments and other necessary equipment required to carry out all above activities should be brought by the supplier.	Vendor to Specify			
6.5	Charges, duration, term & conditions for E&C should be furnished in detail separately by vendor along with offer.	Vendor to Confirm			
7.0	INSPECTION				
7.1	Vendor to submit QAP showing all stage inspections	Vendor to submit			
7.2	Vendor to submit detailed test chart as per relevant IS/BS	Vendor to submit			
7.3	Pre-Dispatch inspection: Acceptance of the Bed plates shall be made by BHEL at vendor's work prior to dispatch. Test certificates, Specification compliance and flatness accuracies of the individual bed plates shall be checked and verified. Vendor to arrange for calibrated equipments for complete inspection.	Vendor to Confirm			
7.4	Proving: Proving to be done on at least one job at BHEL works.	Vendor to Confirm			
8	PACKING: Bed plate (S) shall be supplied in suitable packing (s) to avoid damage during handling, transportation and storage.	Vendor to Specify			
9	GUARANTEE: Vendor shall provide full and complete Guarantee for trouble free performance for 18 months form date of successful commissioning	Vendor to Specify			
10	GENERAL : The vendor should submit the following information:	Vendor to Confirm			
10.1	Weight of the bed plate	Vendor to Confirm			
10.2	Vendor to submit, alongwith offer, the reference list of customer where similar bed plate have been supplied . Vendor to mention the customer name, major specifications of the supplied bed plate, Year of supply etc.	Vendor to Specify			
11	COMPANY PROFILE/QUALIFYING CONDITIONS :				
11.1	COMPANY PROFILE				
	The BIDDER has to provide the details pertaining to each clause in the table given below to understand the profile of the BIDDER's COMPANY.	Vendor to submit			
11.1.1	Number of years of experience of the BIDDER/ VENDOR in the field of Design, Manufacturing, & supply of bed plates	Vendor to submit			
11.1.2	Details on the Codes/Standards adopted for the machine design and manufacturing	Vendor to submit			
11.1.3	Details on Manufacturing inhouse facilities available with the VENDOR for:	Vendor to submit			
	(a) Building large casting components	Vendor to confirm and submit			
	(b) Heat treatment facilities	Vendor to confirm and submit			
	(c) Machining and testing Rigs	Vendor to confirm and submit			
	(d)Capacity of vendor to supply ordered plates within 12 months after LOI	Vendor to confirm			
	(e)Capacity of vendor .for manufacturing such bed plates per month	Vendor to submit			

SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED	OFFERED	DEVIATIONS	REMARKS
11.1.4	Note: BHEL may cross check facilities available with supplier and if information found incorrect supplier's offer/PO will be rejected/cancelled.	Vendor to confirm			
11.2	QUALIFYING CONDITIONS:	Vendor to Specify			
11.2.1	Only those OEMs, who meets following conditions-	Vendor to Specify			
	a) Installed capacity to manufacture min 60 nos bedplates (3x1.5 meter or bigger size)	Vendor to confirm and submit			
	b) Documents to support despatch of 30 nos bed plates(3x1.5 mtr or bigger size) per year for min two years in span of last 10 years(At the opening of enquiry)	Vendor to confirm and submit			
	c) Performance certificate from customers to indicate min one year of satisfactory performance for min 50% (30 nos) of bed plates(3x1.5 mtr or bigger size) as indicated against cl 11.2.1(b)	Vendor to confirm and submit			
	Following information to be furnished by supplier				
11.2.2	Purchase order copy of bed plates supplied				
11.2.3	Name of the customer / company	Vendor to Confirm			
11.2.4	Complete postal address of the customer.	Vendor to Confirm			
11.2.5	Year of commissioning.	Vendor to Specify			
11.2.6	Flatness accuracies achieved	Vendor to Specify			
11.2.7	Application for which it is used.	Vendor to Confirm			
11.2.8	Name and designation of the contact person of the customer.	Vendor to Specify			
11.2.9	Phone, FAX no. and email address of the contact person of the customer.	Vendor to Specify			
11.2.10	Performance certificate from the customers regarding satisfactory performance of bed plates supplied to them. The certificate to be issued within one year of issue of tender.	Vendor to Specify			
11.2.11	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			

 B N Nair Mgr. (Fab)	 Arjun Singh Mgr. (WE&S)
 R N Jha AGM (Fab)	 S.J. Chakrabarti Sr. DGM (W/TFT)