

		Boiler Auxiliaries Plant, Bharat Heavy Electricals Limited, Ranipet - 632406, Tamilnadu, INDIA.		Enquiry No. & Dt.: 2761111E/26.11.2016 Due Date : 20.12.2016 Reference Date :	
Specification cum Compliance Certificate for KEY WAY MILLING ATTACHMENT					
Requirement ---01 no only					
Note:-					
1. 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-compliance.					
2. The offer and all documents enclosed with offer should be in English language only.					
Name & Address of the supplier:		Name & Address of the Indian Agent:			
Telephone No.		Telephone No.			
Fax No.		Fax No.			
e-mail :		e-mail :			
Scope: Supply, Installation & Commissioning of Key Way Milling Attachment complying with the following specification					
Sl No.	Description - BHEL's Requirement	Specified	vendor to specify		
1.0 PURPOSE & WORK PIECE MATERIAL					
1.1	Purpose: Key way milling in the Axial Impeller hub & various shafts				
1.2	Work Piece Material: Low Carbon Steel, Alloy Steel , Cast Iron. Hardness ~ <u>20 - 40 HRC</u>	Vendor to confirm			
2.0 SPECIFICATION:					
1	Stroke (slide travel)	152.4 mm(Max.)			
2	Vertical travel	44.5 mm(Max)			
3	No load variable spindle speed	365 rpm(Min.) & 675 rpm (Max.)			
4	Spindle hole diameter (approx)	16.0 mm			
5	End mill diameter	31.75 mm(Max.)			
6	shaft diameter std. bar clamp (approx)	114.3 mm			
7	with optional chain clamp (approx)	266.7 mm			
8	shaft diameter	38.1 mm (Min.)			
9	with optional shim kit (approx)	19.1 mm			
10	Clamping space required	38.1 mm(Min.)			
11	Metal removal rate	16.4 cm ³ /min (approx..)			
12	Keyway dimensions (25x12x150 approx)	25.4 mm x 12.7 mm x 152.4 mm			
13	Power, electric	230V, 50Hz, 1.25 kW			
3.0 SPARES:					
1	Itemized breakup of mechanical, electrical etc., spares used in the attachment in sufficient quantity as per recommendation of Vendor for 2 years of trouble free operation on two shifts running basis should be offered by vendor.	Vendor to specify			
4.0 DOCUMENTS TO BE SUBMITTED BY VENDOR					
0	Three sets of following documents (Hard copies) in <u>English language</u> should be supplied along with the Attachment	Vendor to confirm			
2	Operating manuals of Attachment				
3	Detailed Maintenance manual of Attachment				

5.0	Tests/Activities should be carried out at BHEL works while commissioning the Attachment :		
1	The Attachment should be tested for its full capacity at BHEL works as per Purchase Order.	Vendor to confirm	
2	Demonstration of all features of the Attachment, control system & accessories to the satisfaction of BHEL .		
6.0	DELIVERY		
1	Estimated delivery period: maximum of 10 Weeks Delivery period from the date of P.O for supply.	Vendor to confirm	
7	ERECTION & COMMISSIONING		
1	Estimated commissioning period : commissioning period will be 2 weeks from Delivery	Vendor to confirm	
2	If applicable Errection & commissioning Charges should be furnished in detail separately by vendor along with offer.	Vendor to confirm	
8.0	PACKING		
1	Rigid packing for all items of complete Attachment, all Accessories and other supplied items to avoid any damage / loss in transit. all small loose items shall be suitably packed in boxes.	Vendor to confirm	
9.0	GUARANTEE		
1	12 months from the date of commissioning of attachment at BHEL works..	Vendor to confirm	
10	Qualifying Condition		
1	Should have supplied 2 nos in 5 years .		
2	Company name		
3	Company Address		
4	Contact person		
5	Phone / fax /email		
Signature and Office Seal of Vendor			