	Specification No.:QC-T/B/14/01	Indent no : 2014076		
Sr.No	Description	Required	Offered	
1.0	Application:		- 110400	
	The Portable Compound Angle Sine Table is intended to be used in of Radial Taper Angle/Ex/Ey of blades of turbines.	shop floor for checking	Vendor to comply in this column	
2.0	Specific application :			
	Used for precise measurement, setting of double directional angle of steam turbine blade.	Suitable sine table to meet clause 2.0		
3.0	General requirements			
	Sine Table should be as per IS: 5943-1970.	Suitable sine table to		
	Centre Distance between rollers is within tolerance of 0.005mm.	meet clause 3.0		
	Evaluation size: 500mm x 300mm.	74	¥	
~	Table made from high quality alloy steel hardened (Hardness 60±2 HRC) and tempered. Roller & slip gauge platform should also be hardened.			
	Angle can be set within ±5 seconds.			
	Portable, handy and light weight.			
	Firm hinged clamp to reduce possibility of distortion.			
	Accuracy for flatness & parallelism within 0.005mm.			
	Top of work table should be electromagnetic. Minimum Magnetic			
	force should work to hold blade up to 10kg but should not			
	CREATE residual magnetism in blade.			
	Control unit having facility of ON/OFF with input voltage 230V.			
	Sine table shall be sufficiently rigid so that the maximum deflection			
	of work table under a vertical central load of 10kg shall not exceed 0.003mm.			
	Lead screw arrangement shall be provided for lifting of table in			
	both direction for the purpose of putting slip value under roller.			
	Slot of size 500x10x10 should be provided at middle of top surface of table.			
4.0	Accessories:	1 2		
	Necessary Cables, test supporting fixtures, guiding devices, calibration test block etc. should be provided.	Suitable sine table to meet clause 4.0		
5.0	General Condition			
	Vendors to comply that quotation covers all the items even it is not specified in item list.			
	The price quotation at 4.0 must be on single piece basis.			
	Vendors to comply that they shall commission the instruments at our	ır works. During		
	commissioning Party should also demonstrate interfacing of instrument The party will			
	provide service in future if any problem arises during operation.			
4	The party will provide operation, service and trouble shooting manuals containing detailed diagram.			
	The party will quote necessary spare parts / accessories items for minimum 05 years of satisfactory operation of Equipment even if not included at clause 4.0			
	The party shall provide calibration certificate of instruments and explain the calibration procedures of instrument during commissioning. The party should quote for a contract of			
	calibration in future( for reference only).			
	The party can demonstrate the instrument at our works if required.  Guarantee/Warranty period of instrument should not be less than 2-	4 months counted from		
	Transcaptee/wyarraniy berion of instrument should not be less than 20	THORIGIS COUNTED HOLL	1	

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6.0	Qualifying Conditions :		
	Only those vendors(OEMs or its authorized agencies), who have supplied and commissioned at least one number of sine table of same size and accuracies within the past 10 years (on the date of opening of tenders) and the referred instrument is presently working satisfactorily for more than one year (on the date of opening of tenders) after		
	commissioning, should quote.		
	The following information should be submitted by the vendor about the companies where		
	referred instruments have been supplied. This is required from all vendors for qualification		
	of their offer.		
	Name of the customer / company, where referred instrument(s) is(are) installed.		
	Complete postal address of the customer		
	Month & Year of Commissioning.		
	Specific application if any for which the instrument is supplied.		
	Name and designation of the contact person of the customer.		
	Phone, FAX no. and email address of the contact person of the customer.		
?	Performance certificate from the customer regarding satisfactory performance of		
	instruments supplied to them (original certificate or through e-mail directly from the		
	customer). Original certificate may be returned after verification by BHEL, if required.		
	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.	****	

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