

	BHARAT HEAVY ELECTRICALS LIMITED			Enquiry No. : 2751057E/OT-23
	RANIPET - 632406			Due Date :
				Supplier Qtn. No.:
				Date :

ANNEXURE - C to Tender 2751057E/OT-23

SPECIFICATION CUM COMPLIANCE CERTIFICATION FOR AC/HWDC PORTABLE MAGNETIC PARTICLE TESTING EQUIPMENT

- NOTE:-**
1. Vendor must submit complete information against clause no. 9 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, ambiguous, 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.

ADDRESS OF THE SUPPLIER :	ADDRESS OF THE INDIAN AGENTS :
TELEPHONE NOS.:	TELEPHONE NOS.:
FAX NOS.:	FAX NOS.:
E-MAIL ADDRESS :	E-MAIL ADDRESS :

SCOPE: SUPPLY AND COMMISSIONING OF AC/HWDC MOBILE MAGNETIC PARTICLE TESTING EQUIPMENT.

SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED BY	OFFERED	DEVIATIONS	REMARKS
1.0	PURPOSE OF THE EQUIPMENT				
1.1	Magnetic particle examination of impellers welds using prods methods with dry technique.	vendor to confirm			

SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED BY	OFFERED	DEVIATIONS	REMARKS
2.0	SCOPE				
2.1	Supply and commissioning of the equipment at BHEL, Ranipet works including training.	vendor to confirm			
3.0	SPECIFICATION:				
3.1	Current output : 0-1000 Amps AC and HWDC or more	vendor to confirm			
3.2	The Equipment should be portable type.	vendor to confirm			
3.3	Built in demagnetisation facility in the same equipment/Optional	vendor to specify			
3.4	Input supply: 230 V/50Hz single phase	Vendor to confirm			
3.5	Infinitely variable thyristorised magnetising current control	vendor to specify			
3.6	Max. ON&OFF time: adjustable to at least 0-60 seconds.	vendor to specify			
3.7	Dimensions of the equipment	vendor to specify			
3.8	Thermal over load protection	vendor to specify			
3.9	A pair of prods one prod with remote trigger switch with 5 mtr. long cable	vendor to specify			
4.0	ACCESSORIES				
4.1	Ball bearing transport trolley, sturdy, four wheeled and revolving type, with rubberized wheels and two wheels on the front and two wheels on the rear and capable of being rotated.	vendor to specify			
4.2	Specification of Rubber wheel: Min Front wheel 120x50mm with swivel movement. Min Back wheel 300x50 mm	vendor to specify			
4.3	Magnetization cables should be of sufficient cross sectional area and shall be copper conductor with insulation. The cable length should be 10 meter with lugs at both ends.	vendor to specify			
5.0	COMMISSIONING				
5.1	Supplier shall commission the above equipment at BHEL, BAP Ranipet	Vendor to confirm			
6.0	DOCUMENTATION: Following documents shall be supplied by the vendor				
6.1	Operating instruction manual - in English - 5 copies	Vendor to confirm			

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6.2	Maintenance manual - including circuit diagrams- in English - 5 copies	Vendor to confirm			
6.3	Calibration certificates for ammeters.	Vendor to confirm			
6.4	Test report for internal circuit check/drawings	Vendor to confirm			
7.0	SPARES AND CONSUMABLES:				
7.1	Spares for five years of troubles free operation with itemised break up shall be quoted. In addition to above, the following items shall also be quoted.	vendor to specify			
7.2	Spare magnetization cable and prod sets-1 number.	vendor to specify			
7.3	Digital ammeter HWDC two numbers each to be supplied	vendor to specify			
7.4	Any other critical spares to be listed down and quoted by supplier.	vendor to specify			
8.0	PRE-DESPATCH INSPECTION AND TRAINING				
8.1	Pre-despatch inspection shall be arranged at supplier's work	Vendor to confirm			
8.2	Free of cost training at BHEL BAP Ranipet, on operation and maintenance of MPI equipment.	Vendor to confirm			
8.3	Proveout: Equipment shall be proved for its full capacity at BHEL works.	vendor to specify			
8.4	Gaurantee: 24 Months from date of commissioning	vendor to specify			
8.5	Delivery: within five weeks	vendor to specify			
9.0	QUALIFYING CONDITIONS/ REFERENCE LIST:				
9.1	Only those vendors who have supplied and commissioned at least one same or higher current output capacity equipment and such equipment is working satisfactorily for more than one year after commissioning (as on date of opening the tender) , should quote. However, if referred equipment is supplied to BHEL, then referred equipment should be presently working satisfactorily for more than six months after its commissioning and acceptance in BHEL. Vendor shall furnish the following details of such customer with contact person/s' details,order copies and performance certificate of the referred equipment. This is required from all the Vendors for qualification of their offer.	Vendor to confirm			
9.2	Name of the customer/ company where referred machine is installed.	Vendor to inform.			
9.3	Complete postal address of the customer	Vendor to inform.			

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9.4	Month and year of commissioning.	Vendor to inform.			
9.5	Parameters of equipment supplied and application for which the equipment is supplied..	Vendor to inform.			
9.6	Name and designation of the contact person of the customer.	Vendor to inform.			
9.7	Phone, FAX no. and email address of the contact person of the customer.	Vendor to inform.			
9.8	Performance certificate from the customers regarding satisfactory performance of equipment (same or higher current output capacity) indicating date of commissioning, model no, capacity etc., supplied to them.	Vendor to submit.			
9.9	BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false/incorrect, the offer shall be rejected.	Vendor to accept & confirm.			
					Vendors' signature and seal