

	<u>BHARAT HEAVY ELECTRICAL LIMITED</u>				Enquiry No. :	2761285E
	<u>BAP RANIPET, 632406</u>				Due Date :	Jan 10,2017
	<u>UNIT'S PHONE NOS.</u>				Supplier Qtn. No.:	
	<u>CONTACT PERSON'S NAME/DESIGN./PHONE NO./E-MAIL</u> <u>(FROM PURCHASE DEPTT.)</u>				Date :	
<u>SPECIFICATION CUM COMPLIANCE CERTIFICATION FOR</u>						
<u>AC/HWDC PORTABLE MAGNETIC PARTICLE TESTING EQUIPMENT</u>						
NOTE:-						
1. Vendor must submit complete information against clause no. 09 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 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	Portable Magnetic particle examination of welds using prods methods with dry technique. For testing , as Ferromagnetic materials to determine the surface, sub-surface defects & shall meet the requirement of standard ASTM E1444/E709 and ASME section V Article 7	vendor to confirm			
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 : Analog 0-1000 Amps AC and HWDC	vendor to confirm			
3.2	Trigger control at prod handle	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	Class of Insulation: "F class"	vendor to specify			
4.0	ACCESSORIES				
4.1	A pair of prods one prod with remote trigger switch with 5 mtr. long cable	Vendor to confirm			
4.2	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			
4.3	Specification of Rubber wheel: Min Front wheel 120x50mm with swivel movement. Min Back wheel 300x50 mm	Vendor to Confirm			

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4.4	Power supply cables should be of sufficient cross sectional area and shall be copper conductor with insulation. The cable length shall be 10 to 15 meter with lugs at both ends.	vendor to specify			
4.5	Spare Power supply cable and prod sets-2 Nos.	vendor to specify			
4.6	Analog HWDC Ammeter Qty- 04 Nos.	vendor to specify			
4.7	BHEL Test Block Qty -02 Nos.	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			
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	PRE-DESPATCH INSPECTION AND TRAINING				
7.1	Pre-despatch inspection shall be arranged at supplier's work	Vendor to confirm			
7.2	Free of cost training at BHEL BAP Ranipet, on operation and maintenance of MPI equipment.	Vendor to confirm			
7.3	Proveout: Equipment shall be proved for its full capacity at BHEL works.	vendor to specify			
7.4	Guarantee: 24 Months from date of commissioning	Vendor to confirm			
7.5	Delivery: within 30 Days issue of LOI	vendor to specify			
8.0	SAFETY OPERATION				
8.1	Machine should have adequate and reliable safety interlocks / devices to avoid damage to the machine, work piece and the operator due to the malfunctioning or mistakes.	Vendor to confirm			
9.0	QUALIFYING CRITERIA				

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9.1	The bidder / vendor (OEM) shall have a minimum of five years continuous experience in the design, manufacture and supply of "Portable MPI Equipment". Vendor may indicate the actual number of years of experience in the field. Only those vendors (OEMs), who have supplied and commissioned at least TWO numbers of Portable MPI Equipment similar to the machine specified above, in the past five years (as on date of opening of tender) and such machine is presently working satisfactorily for more than one year after commissioning. Vendor has to submit at least one Performance certificate from their customers, for satisfactory performance of similar of higher capacity Portable MPI Equipment quoted against the enquiry for a period of one year.	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.			
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.			
			Signature and Office Seal of Vendor		