

SPECIFICATION FOR DIGITAL CLAMP METER FOR POWER TRANSFORMER

Note : 1) Vendor must submit complete following information. The offer meeting the following requirements would only be processed.
 2) The offered column and Deviation & Remarks column (where ever applicable) of this format shall be filled by the vendor and to be submitted along with the offer. Inadequate / incomplete, ambiguous or unsustainable information against any of the clause of specification/requirement shall be treated as non-

Sl. No.	DESCRIPTION	SPECIFIED / TO BE CONFIRMED BY	REMARK												
1	Purpose : The test set should be able to give direct readings of current of test object.	Vendor to Confirm													
2	Quantity : 04 Nos.														
3	Vendor should indicate equipment model & make.	Vendor to indicate													
4	The offer will be technically accepted after complying all requirements mentioned in technical specification.	Vendor to Confirm													
5	DISPLAY - Digital ; 3 1/2 Digits or better	Vendor to confirm													
6	FUNCTION - Leakage Current and Load Current	Vendor to confirm													
7	SPECIFICATION :														
7.1	Current														
	Range : 300 mA - 100 A AC & DC or better	Vendor to confirm													
	<table><thead><tr><th>RANGE</th><th>RESOLUTION</th><th>ACCURACY</th></tr></thead><tbody><tr><td>30 mA</td><td>0.01 mA</td><td>± 1.2% of rdg ± 5 digits or better</td></tr><tr><td>300 mA</td><td>0.1 mA</td><td>± 1.2% of rdg ± 5 digits or better</td></tr><tr><td>100 A</td><td>0.01 A</td><td>± 1.2% of rdg ± 5 digits or better</td></tr></tbody></table>	RANGE	RESOLUTION	ACCURACY	30 mA	0.01 mA	± 1.2% of rdg ± 5 digits or better	300 mA	0.1 mA	± 1.2% of rdg ± 5 digits or better	100 A	0.01 A	± 1.2% of rdg ± 5 digits or better		
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8	Addition Functions -														
8.1	Data Hold indication	Vendor to confirm													
8.2	Over Load Indication	Vendor to confirm													
8.3	Low Battery Indication	Vendor to confirm													
8.4	Auto Power Off	Vendor to confirm													
9	Operating Temperature - 0 Deg. C to 40 Deg. C	Vendor to confirm													
10	SAFETY STANDARDS														
	As per IEC 61010-1 or EN61010-1 CAT III 300V or any other international/National standard	Vendor to confirm													
11	ACCESSORIES:														
	Vendor to furnish list and details of accessories to be supplied with the instruments.	Vendor to specify list of all accessories.													
12	SPARES:														
12.1	Two sets of spare leads and all other necessary spares for two years trouble-free operation shall be supplied with the instrument & cost of same to be included in equipment cost offer.	Vendor to furnish the spare list.													
12.2	Vendor to ensure availability of all spares item with OEM for at least 5 years of operation.	Vendor to confirm.													
13	DOCUMENTATION:														
13.1	Operation and Instruction manual : Vendor to submit soft copy of manual along with offer and subsequently two hard copies of manual along with the supply.	Vendor to confirm and submit													
13.2	Maintenance manual along with circuit diagrams and schematics for trouble shooting : Vendor to submit soft copy of manual along with offer and subsequently two hard copies of manual along with the supply.	Vendor to confirm and submit													
13.3	Test Certificate & Guarantee Certificate : Vendor to submit soft copy and two hard copies along with the supply.	Vendor to confirm and submit													
13.4	Calibration certificate to be submitted from laboratory having traceability with NABL : Vendor to submit Valid Calibration certificate of offered instrument along with the supply.	Vendor to confirm and submit along with supply.													
14	SYSTEM INSPECTION:														
	Inspection by BHEL at BHEL Jhansi.	Vendor to confirm													
15	PACKING:														
15.1	Rigid packing for all items of complete system, all accessories and other supplied items to avoid any damage/loss in transit.	Vendor to confirm													
15.2	TRANSPORTATION :- Transportation of instruments up to BHEL works shall be in vendor scope.	Vendor to confirm													
16	GUARANTEE/WARANTY :														

Sumit
 09.07.15
 Sumit Bhargava
 Sr. Engr. (Testing)

BHARAT HEAVY ELECTRICALS LIMITED, JHANSI Annexure No 636290006 Rev 00
TRANSFORMER TESTING LABORATORY

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	24 Months after commissioning at our works from the date of acceptance by BHEL irrespective of date of supply.	Vendor to confirm	
17	QUALIFYING CONDITIONS:		
17.1	The supplier should either be an Original Equipment Manufacturer(OEM) or an authorised dealer/system house/channel partner of the OEM. Non OEM vendors should submit certificate of valid authorisation of OEM for quoting the system alongwith declaration for support during erection & commissioning, after sales service & necessary spares along with the offer.	Vendor to confirm	
17.2	- One copy of purchase order (PO) for the quoted equipment (Model may be different but of OEM make only) to be furnished. - The purchase order may be in name of OEM or any Dealer/Vendor, having complete postal address of customer/company where above system is installed/supplied. - The PO date should be within 5 years. From the date of the tender opening. - The PO copy and the co-related documents to clearly mention name of item, type, Make and Model no. including other details in english language.	Vendor to submit along with offer	
17.3	One copy of performance certificate (in english language) obtained from Indian Utilities e.g. NTPC, PGCIL, SEBs etc. for minimum one year satisfactory performance and it should be issued within last 2 years of tender opening date to be furnished for the equipment supplied through above referred PO at cl. 13.3	Vendor to submit along with offer	
17.4	Vendor to submit the reference list of customers (where offered systems had been supplied within last 3 years) mentioning the customer, Machine Model, major specifications of the supplied system, Year of Supply etc. along with offer.	Vendor to submit along with offer	
17.5	Financial standing of OEM through latest Income Tax certificate, Annual report (balance sheet and profit/loss account) of last 3 years.	Vendor to submit along with offer	
17.6	BHEL reserves the right to verify information submitted by vendor. In case, information is found false / Incorrect, the offer shall be rejected.	Vendor to submit along with offer	
Note: Supplier shall submit the technical compliance/comments against each point in above format. Technical bid without complete technical compliance sheet will not be considered for technical evaluation.			

Sunil
09.07.19

Sumeet Bhargava
 Sr. Engr. (Testing)