


 BHEL-EMRP MUMBAI	TECHNICAL SPECIFICATION PART-II FOR ELECTRICAL WORKSHOP EQUIPMENTS TESTING DEVICES	SPECIFICATION NO. EM-VYASI-EWS-PTS-54	
		Rev. No.	00
2 x 60 MW VYASI HEP		Date	05.12.2022

PARTICULAR TECHNICAL SPECIFICATIONS

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PREPARED BY	CHECKED & APPROVED BY

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(1) Details of Equipments

Bidder must quote the make, model No, material description & quantity offered in their quotation /bid, as specified below. Bidder's alternate description can also be given in separate column.

Completeness of Equipment

Each of the equipment listed shall be complete with applicable accessories like power supply main leads, screened guard leads, screened line test leads, earth leads, connectors and clips, leather carrying case and any other accessories required for completing the equipment. Bidder has to mention technical details & quantity of each item under this category along with offer.

Sl. No.	Item / Technical Details	Qty	Details of Equipment offered by the Bidder	
			Make	Model & Catalogue No.
1	HV-AC test set This testing kit will be used for testing the dielectric strength of electrical insulation of generator stator winding as well as of different cables. <u>Features:</u> <ul style="list-style-type: none"> • Test voltage should be continuously adjustable from zero to full output, with a zero-start interlock. • A front-panel knob may adjust leakage current trip level. • Push buttons should be provided to select one-second or continuous testing, to turn off the high voltage and to reset the instrument. • All high-voltage connections are recessed to prevent accidental contact with high voltage. • During testing, high voltage should automatically shut down within 50 ms of arcing or exceeding the preset trip level. • Visual and audible alarms to alert the operator 	1 No.	ETM, RE, Udeyraj, Ajit, Neo-Tele Tronix, Shivananda, Udeyraj OR Any other reputed make	

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	<p>upon failure should be provided.</p> <ul style="list-style-type: none"> • Interlock to prevents the high voltage from being applied if the supply ground wire is open or if the hot and neutral wires are interchanged. • A tester Grounded lamp lights to confirm the instrument is connected to a properly grounded power source <p>Technical Parameters:</p> <ul style="list-style-type: none"> • Input: 415V AC $\pm 10\%$, 50-Hz • Output: 40KV, 10Amp, single-Phase • Wave Shape: Sine • Accuracy: Applied test voltage: $\pm 2\%$, Leakage current: $\pm 5\%$ 			
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