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|  BHEL-EMRP MUMBAI | TECHNICAL SPECIFICATION PART-II FOR ELECTRICAL WORKSHOP EQUIPMENTS TESTING DEVICES | SPECIFICATION NO. EM-VYASI-EWS-PTS-49 | |
| | | Rev. No. | 00 |
| | 2 x 60 MW VYASI HEP | Date | 24.05.2022 |

PARTICULAR TECHNICAL SPECIFICATIONS

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| <p align="center"><i>S.S. Lonkar</i></p> <p align="center">Sachin Lonkar</p> | <p align="center"><i>Shiwani Gupta</i></p> <p align="center">24/05/2022</p> <p align="center">Shiwani Gupta</p> |
| 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 AC 3 phase 40 kV, 10 Amp testing kit (of suitable capacity) 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. | 01 No. | ETM, RE, Udeyraj, Ajit, Neo-Tele Tronix, Shivananda, Udeyraj OR Any other reputed make | |

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| | <ul style="list-style-type: none"> • Visual and audible alarms to alert the operator upon failure should be provided. • 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><u>Technical Parameters:</u></p> <ul style="list-style-type: none"> • Input: 230-V AC, 50-Hz • Output: 40KV, 10Amp, 3-Phase • Wave Shape: Line • Accuracy: Applied test voltage: $\pm 2\%$, Leakage current: $\pm 5\%$ | | | |
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(2) Technical Deviation Statement (if any)

| Sr No. | Item | Deviation | Justification for Deviation |
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Note: Bidder has to indicate clearly the deviations if any w.r.t. specification. Bidder has to indicate all the deviations on this sheet only, deviations mentioned elsewhere in Bidder's offer will not be considered.