

| Item | Description | UoM | Required | Technical specification | None- negotiable | Offered (Yes/No) |
|------|--|-----|-------------------|--|------------------|------------------|
| 1 | Make | | | | | |
| 2 | Model | | | | | |
| 3 | Place/Country of manufacture | | | | | |
| 4 | Warranty (supported by OEM's local agent) | | 24 Months | | | |
| 5 | Weight | | <20kg | | | |
| | Must perform the following tests with one test instrument | | | | | |
| 6 | Turns ratio | Y/N | Yes | up to 250 V AC / 101mA - 10A AC | Yes | |
| 7 | Excitation/Magnetization (open circuit test) | Y/N | Yes | test current up to 10A AC or above | Yes | |
| 8 | Winding DC resistance | Y/N | Yes | Up to 100 V or above and 'up to '30 A true DC or above | Yes | |
| 9 | Dynamic resistance measurement (DRM) / Continuity test | Y/N | Yes | Up to 100 V or above and 'up to '15 A DC or above | Yes | |
| 10 | Heat run – internal temperature | Y/N | Yes | | Yes | |
| 11 | Dry out – internal temperature | Y/N | Yes | | Yes | |
| 12 | Contact resistance Test | Y/N | Yes | up to '30 A true DC or above | Yes | |
| 13 | Short circuit impedance (leakage reactance) | Y/N | Yes | 0-250 V AC / 0-11 A AC | Yes | |
| 14 | Frequency response of stray losses Test | Y/N | Yes | Frequency range, 40 – 450 Hz or higher | Yes | |
| 15 | Vector group verification | Y/N | Yes | | Yes | |
| 16 | Demagnetization | Y/N | Yes | | Yes | |
| 17 | Magnetic balance test | Y/N | Yes | | Yes | |
| 18 | Transformer losses / efficiency Test | Y/N | Yes | | Yes | |
| 19 | Capability to set up and test all 3 phases simultaneously | Y/N | Yes | | Yes | |
| 20 | Capability to set up and test a individual phases separately | Y/N | Yes | | Yes | |
| 21 | Included all test leads and connections to perform testing on all 3 phases, on both primary and secondary, without adjusting the test setup | Y/N | Yes | | Yes | |
| 22 | Emergency stop button | Y/N | Yes | | Yes | |
| 23 | Dead-man's switch | Y/N | Yes | | Yes | |
| 24 | Warning lights | Y/N | Yes | | Yes | |
| | Include accessories & Cables | | | | | |
| 25 | a). PROFESSIONAL & EXPECT 18m Test Leads, 16 Amp H leads with red jacket and red, yellow, blue, and white clamps (4 total). b). PROFESSIONAL & EXPECT 18m cables, 32 Amp X leads with black and white stripe jacket and red, yellow, blue, and white clamps (4 total) c). USB Printer Paper (x48 rolls) d). Transit case (for instrument) f). Motor current monitor g). Temperature probe kit | Y/N | Yes | | Yes | |
| | Test software | | | | | |
| 26 | Test software to be included as part of package: a). PowerDB Control b). Custom application control c). Transformer load, no-load, and efficiency measurements d). Frequency response stray losses e). Dynamic resistance measurements f). Transformer heat run / cool down measurements | Y/N | Yes | | Yes | |
| 27 | A full report generator that builds the report as you test | Y/N | Yes | | Yes | |
| 28 | Touch screen | Y/N | Yes | Size - 25.6 cm (10.1 in.); Resolution - 1024 x 600 Resolution. | Yes | |
| 29 | Customizable reports | Y/N | Yes | | Yes | |
| 30 | Supported standards | Y/N | IEC | | Yes | |
| 31 | Frequency of calibration | Y/N | 2 years intervals | | | |
| 32 | Online (Remote), Local representation and support for this instrument, available within 48 hrs upon request | | Required | | Yes | |

Elliot Sithole

