



Corrigendum

IFB no.: AEGCL/MD/Tech- 649/DIAGTOOLS/(Retender-2019)/IFB
Bid No.: AEGCL/MD/PSDF-017/DIAGTOOLS (Retender-2019)

With reference to the pre bid meeting held on 10.06.2019 regarding bid for "Supply of Diagnostic Tools and Related Services for Various Substations of AEGCL under PSDF (Retender-2019)" the following amendments are made to the bidding document –

1. Clause 2.3.3 of section 1 is amended as below:

The Manufacturer(s) of the offered equipment(s) must have designed, manufactured and supplied the offered equipment or similar equipment (having similar specifications) to **PGCIL/NTPC and other Indian Central and State sector Generation/Transmission Utilities** having minimum performance requirement as below:

a) **Three years** successful operation for the **offered equipment**.

OR

b) If the offered equipment is an upgraded version (provided that it has distinct advanced features to an earlier model which is be established though supporting documents) of an earlier model, **One year** of successful operation for the **offered equipment AND three years** of successful operation for the earlier model/version of the offered equipment (for comparison of the additional features).

Using Forms **EXP – 2** of Section 2 (Bidding Forms) the Bidder must furnish necessary information along with supporting documents (performance certificate) in support of this clause. The **Performance certificates** should not be older than **7 (seven) years** as on the date of opening of the technical Bid.

2. Clause 3.4.0 Technical Specification the diagnostic tools

Item i) Guarantee/Warranty period for Circuit Breaker Analyzer with DCRM is amended to **5 years** from successful and complete commissioning at AEGCL substation.

Item xii) Guarantee/Warranty for Automatic Relay test kit is amended to **5 years** from successful and complete commissioning at AEGCL substation.

3. Clause 3.4.0 Technical Specification the diagnostic tools – GTP for Item (xiii) PLCC Tool Kit is amended as below:

S.No.	Description	Specification
1	Functional requirement	Equipment shall be used for measurement of strength of PLCC signal. The instrument shall be capable to receive / generate all frequencies/levels within a reasonable accuracy and resolution. In addition to the selective level measurements also wide band measurements, return to measurement, Bridge Impedance measurement shall be provided. The instrument shall be capable to store set-ups and measuring results. For field



ASSAM ELECTRICITY GRID CORPORATION LIMITED

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S.No.	Description	Specification
		use it should offer a mains power independent operation with batteries. The mechanical design and construction of the unit shall be compact, robust and rigid under all conditions of operation with Max. weight of 3Kg (With Batteries). NOTE: Two separate units for Level Meter and Level Generator may also be accepted. In this case the weight of individual unit must not be more than 3Kg (With Batteries).
LEVEL METER		
1	Frequency	Range: 100Hz to 2 MHz Display: 5 Digits or better Accuracy: $2 \times 10^{-6} \pm 1\text{Hz}$ or better
2	Input Impedance's	75, 150, 600 ohm and High Impedance,
3	Level Resolution	0.1 dB
4	Level, Selective	-100 to +10dB
5	Level, Wideband	With 4kHz Filter -100 to +10dB
		With 300kHz Filter -90 to +10dB
		With 600kHz Filter -80 to +10dB
6	Accuracy of measurement at 0dBm	$\pm 0.3\text{dB}$
7(a)	Return Measurement	Frequency range:200 Hz– 2MHz Measuring range:60Ω-600Ω Accuracy: +/-1dB for 10Khz to 500Khz & +/- 2 dB for other frequency range
7(b)	Bridge Impedance Measurement	Frequency range:200Hz– 2MHz Measuring range:50Ω-1600Ω Accuracy: $\pm 5\% \pm 5 \Omega$
LEVEL GENERATOR		
1	Signal generation freq. Range	Range: 100Hz to 2 MHz Display: 5 Digits or better Accuracy: $2 \times 10^{-6} \pm 1\text{Hz}$ or better
2	Output impedances	Balanced O/p 10kHz to 2MHz : 75,150 100Hz to 10kHz :600
3	Output Level Range	Coaxial O/P Impedance (Ohm) Zout= 75, 150,600: +4 to -40dBm Balanced O/P: +10 to -40dBm, dB
4	Level Resolution	0.1dB
5	Accuracy of level measurement at 0dBm	$\pm 0.3\text{dB}$
BELOW MENTIONED SPECIFICATIONS ARE COMMON FOR BOTH LEVEL METER CUM LEVEL GENERATOR AS WELL AS FOR SEPARATE UNITS FOR LEVEL METER AND LEVEL GENERATOR		
2	Power supply	Both 230 V, single phase, AC 50Hz supply and internal Battery. Battery operation must be Min. 04 Hours.
3	Operating Temp. Range	-5 °C to 45 °C



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S.No.	Description	Specification
4	Memory for storage of Results	Sufficient memory for storage of 100 results must be provided.
5	Accessories	Measuring cable, power cable, synchroniser cable, Battery connecting cable, fuse, operating manual, Carrying case and any other accessories required for use of the specified equipment.
6	Guarantee	Warranty/Guarantee Period: Min 05 year from the date of successful & complete commissioning at AEGCL sub-station. All the materials, including accessories, cables etc. are to be covered under warranty/guaranty period. If the kit needs to be shifted to supplier's works for repairs within warranty/guaranty period, suppliers will have to bear the cost of spares, software, transportation of kit for repair at test lab/works.
7	Calibration Certificate	Unit shall be duly calibrated before supply and the date of calibration shall not be older than two month from the date of supply of Kit.
8	Training	Supplier shall have to ensure that the kit is made user friendly. Apart from the detailed demonstration at site, the supplier shall also have to arrange necessary training to AEGCL engineers, where kit is being supplied.
9	Commissioning, handing over the Instrument	Successful bidder will have to commission the instrument to the satisfaction of AEGCL. The instrument failed during the demonstration shall be rejected and no repairs are allowed.
10	After sales service	Bidder will have to submit the documentary evidence of having established mechanism in India for prompt services.

4. Type test reports are not mandatory for any item. Mentions of type test reports below form Exp-2 and bid data sheet (ITB 1.3.3.2(g)) may be treated as deleted.

However, other tests mentioned in IEC/ANSI/FCC standard or any other relevant standards shall be submitted for conformity of the offered equipment with the specification.

5. Following clarification is hereby provided against queries raised in the pre-bid meeting –

- 1) In the event audited balance sheet for FY 2018-19 is not available bidders may submit audited balance sheet of previous three years viz. 2015-16, 2016-17, 2017-18.
- 2) The performance certificate to be attached along with Form EXP – 2: *Specific Experience* should not be older than 7 years.

All other terms and conditions of the bid document remain same.

Sd/-

Chief General Manager (PP&D), AEGCL

Dtd: 15.06.2019

Memo No.: AEGCL/MD/Tech- 649/DIAGTOOLS/(Retender)/73

Copy to:

- 1) The AGM-IT for publishing of the notice in AEGCL website.

Sd/-

Chief General Manager(PP&D), AEGCL