

Laboratory Yathva Energy Solutions Private Limited, Plot No. 29, 10th Cross,
Bhairava Nagar, Anantapuramu, Andhra Pradesh

Accreditation Standard ISO/IEC 17025: 2017

Certificate Number CC-2816 Page 1 of 1

Validity 03.09.2019 to 29.08.2020 Last Amended on -

Sl.	Measurand or Reference Material/ Type of instrument or material to be calibrated or measured/ Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable (Range and Frequency)	Calibration and Measurement Capability (CMC) (\pm)
<u>ELECTRO TECHNICAL CALIBRATION</u>				
I.	MEASURE			
1.	AC Voltage [#]	Using 3 Φ Comparator by Direct/Comparison Method	50 Hz 30 V to 500 V	0.045 % to 0.028%
2.	AC Current [#]	Using 3 Φ Comparator by Direct/Comparison Method	50 Hz 15 mA to 50 mA 50 mA to 12 A	0.024 % to 0.018 % 0.018 %
3.	Frequency [#]	Using 3 Φ Comparator by Direct/Comparison Method	48 Hz to 51 Hz	0.031%
4.	AC Active & Reactive Energy [#] (1 Phase & 3 Phase)	Using 3 Φ Comparator by Comparison Method	50 Hz 63.5 V to 240 V 0.5 lag -1.0-0.8 Lead 10 mA to 50 mA 50 mA to 12 A 0.32 W to 8.64 kW 0.32 Var to 8.64 kVar	0.044 % to 0.027 % 0.027 %

* Measurement Capability is expressed as an uncertainty (\pm) at a confidence probability of 95%

The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.

Shally Sharma
Convenor

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Program Manager