



CERTIFICATE OF CALIBRATION

Issued by :
YADAV MEASUREMENTS PRIVATE LIMITED
 Plot no. F-373-375 RIICO Bhamashah Industrial Area,
 Kaladwas ,Udaipur-Rajasthan-313003, INDIA
 Tel: 0091-294-2650127,28, Fax: 0091-294-2650129
 Email: Yadav.Measurements@ymllabs.com
 website: www.yadavmeasurements.com
 CIN number: U31909RJ2003PTC018450



Certificate number: - YMPL/334056/125517

ULR-CC273521000002765F

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1.	Name and address of customer:-	Rajasthan Rajya Vidhyut Prasaran Nigam Limited, Office of The Assistant Engineer (MTL), 132kV Chambal GSS Premises, Hawa Sarak, Civil Lines, Jaipur, Rajasthan										
2.	Reference:-	Service Request Form No : 2021-22/169 Date of receipt EUC : 22-May-2021 Condition of EUC on receipt : Satisfactory										
3.	Location of calibration:-	Yadav Measurements Private Limited, Plot no. F-373-375, RIICO Bhamashah Industrial Area, Kaladwas, Udaipur-Rajasthan-313003, India										
4.	Calibration details:-	Date of issue : 28-May-2021 Date of calibration : 22-May-2021 to 25-May-2021 Due date of calibration : 21-May-2022										
5.	Description of equipment under calibration:-	Name : Three Phase Precision Measuring Instrument Serial Number : NR.03-719-7 Model : EPZ 303-5 Make : ZERA Electric Gmbh, Germany Class : 0.02%										
6.	Environmental conditions of measurements:-	Temperature : 25±2°C Relative humidity : 30-75%										
7.	Description of reference standards used:-	<table border="1"> <thead> <tr> <th>Reference standard</th> <th>Calibration valid up to</th> <th>Traceability</th> <th>Parameters</th> </tr> </thead> <tbody> <tr> <td>3 Phase Comparator COM 3003 EI No. :- 1903 Sr. No. :- 050024534</td> <td>11-Dec-2021</td> <td>IDEMI, Mumbai</td> <td>Active energy, Reactive energy, AC Voltage, AC Current & Frequency</td> </tr> </tbody> </table>			Reference standard	Calibration valid up to	Traceability	Parameters	3 Phase Comparator COM 3003 EI No. :- 1903 Sr. No. :- 050024534	11-Dec-2021	IDEMI, Mumbai	Active energy, Reactive energy, AC Voltage, AC Current & Frequency
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3 Phase Comparator COM 3003 EI No. :- 1903 Sr. No. :- 050024534	11-Dec-2021	IDEMI, Mumbai	Active energy, Reactive energy, AC Voltage, AC Current & Frequency									

Checked by :

VIJAY SHARMA

LOKENDRA SANGAN

Approved by :

Prabhatad Suthas



QF.CP.CALB.4B.01.00



Yadav Measurements

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8. **Calibration procedure: - CP-ETCH-P-3.1**
 Before starting calibration, both reference standard and E.U.C. (Equipment under calibration) were warmed-up for at least one hour. The frequency output was used for calibration of energy measurement. The frequency output of E.U.C. was fed to the Input of reference standard COM 3003 for active & reactive energy measurements. The errors reported were directly calculated & displayed by WINSAM software of reference standard. For AC voltage, AC current, Frequency measurements, AC voltage & AC current was applied to both E.U.C. & Reference standard by static source. A.C. voltage, AC current, frequency was measured by SSM3000 software of reference standard and EUC. At least 3 measurements were made for each calibration point and an average of these readings was reported in the results.
9. **Results:** The Three Phase Precision Measuring Instrument has been calibrated for active energy, reactive energy, AC voltage, AC current, frequency measurements.
 The results are given on next pages for the corresponding loads and power factors. Unless and otherwise specified all measurement are made at 50Hz.

Checked by :

Approved by :



QF.GP.CALB.4B.01.00