



Yadav Measurements Pvt. Ltd

Announces

6th

Training on NABL Accreditation (as per ISO/IEC/IS 17025:2005)

A USAID & MoP DRUM Training Program

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RECOGNISED & APPROVED By

CORE INTERNATIONAL Inc.

Power Finance Corporation Ltd.
(A Govt. of India Undertaking)

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US\$ 50



**NABL Accreditation of Energy Meter and
Instrument Transformer Testing Laboratories.
Date : 5th Oct. to 9th Oct., 2009
Venue : YMPL, Udaipur, Rajasthan, INDIA**



Power Finance Corporation Ltd.
(A Govt. of India Undertaking)

Introduction

Majority of utilities are operating meter test laboratories for calibration and testing of energy meters and instrument transformers. Many utilities are investing more in latest test equipments. Still consumers and other stake holders are apprehensive about credibility of results. Accreditation of meter test laboratories to IS/ISO/IEC 17025: General Requirements for competence of testing and calibration laboratories, is a must to establish credibility.

The central Electricity Authority (CEA) in its gazette "Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006" has asked all licensees to take immediate action to get their MTLs accredited by NABL.

In India, National Accreditation Board for Testing and Calibration Laboratories (NABL), Department of Science and Technology is the only body which grants accreditation to various laboratories on the basis of quality system as per IEC/ISO/IS 17025:2005.

The meter test Laboratory of Torrent Power, Ahmedabad has already become first utility laboratory to get NABL accreditation; few others meter testing laboratory of CESC Ltd., BRPL, BYPL etc. have also got NABL Accreditation & few laboratory of DHBVN are in advance stage of accreditation process

Having assessed above requirements, Yadav Measurements with more than a decades of experience of running an NABL and UKAS accredited full fledged Meter Test Laboratory, introduces this first of its kind training course on NABL accreditation of meter test laboratories especially for utility persons, however this will be equally useful for non-utility persons interested in NABL accreditation in electrical or electro-technical area.

Objectives

The objective of the training on "NABL accreditation of energy meter and Instrument Transformer Testing Laboratories" is to familiarise and make the participants, understand the requirements of NABL accreditation, procedure for application for NABL accreditation, development, implementation and improvement of quality system in meter testing laboratories. This also covers technical requirements of energy meter and instrument transformer standards and testing methods.

A lot of hands on practical training and visit to calibration and test Laboratory will help learn effectively.

Who should attend ?

This course is specially designed for senior and middle level management / engineers for meter management and meter test laboratories.

How will I benefit ?

The course provides in-depth understanding and learning of.

- * Advantages of NABL accreditation
- * Procedure for getting accreditation
- * Requirements of NABL accreditation
- * Requirements of calibration and test instruments in meter test laboratory.
- * Requirements of quality system (as per IEC 17025:2005) in laboratory
- * Requirements of Indian and IEC standards on energy meters
- * Requirements of Indian and IEC standards on metering instrument transformers
- * Good laboratory practices and maintaining proper traceability of measurement
- * Preparation of quality system documents and its implementation
- * Concept of measurement uncertainty and estimation methods for energy meter and instrument transformer test laboratory.
- * Inter laboratory comparison and proficiency testing program

Course Contents

- * Concept of laboratory accreditation : Global Prospective
- * Introduction to NABL and accreditation procedures
- * Fundamental Concepts of calibration and Testing
- * Energy measurement principles and technologies
- * IS/IEC standards for Energy meters.
- * Types of Instrument Transformers & Technologies.
- * IS/IEC standards for Instrument Transformers .
- * Meter test system/Equipments
- * Testing and Calibration lab. visit
- * IT test systems and test methods
- * Practical - Tests of accuracy Requirements
- * IEC 17025 : Management Requirements
- * Case studies Q & A on management Requirements
- * Tests of electrical requirements - Practical
- * CT/VT error testing - Practical
- * IEC 17025 : Technical Requirements
- * Case studies Q & A on Technical Requirements
- * Preparation of quality manual and documentation
- * Internal audit concept and method
- * Specific Criteria's for electro-technical calibration and electrical testing
- * Concept of measurement uncertainty, statistics and estimation method (NABL141 /M3003)
- * Work shop measurement uncertainty estimation for energy meter calibration and CT/VT calibration - Practical
- * Inter laboratory comparison and proficiency testing programs

Faculty

N K Bhati : Managing Director , BE (Electronics), 27 years of experience

B M Vyas : A.G.M., BE (Electronics), MBA, 18 years of experience

Abhijat Dube : Manager, BE (Electronics), 16, years of experience

Kiran Kelapure : Manager, Diploma (Electrical), 22 years of experience

Umesh Soni : Manager, BE (Electronics), 12, years of experience

Faculty & Contributors

Contributors to the course includes widely experienced professionals Mr. N.K.Bhati, Mr. B.M. Vyas, Abhijat Dube, Kiran Kelapure, Umesh Soni, Dinesh Paliwal, Sunil Harkawat, Ramnaresh, Narendra, Manish Gupta, Dinesh Mewara, Kunal, Heeralal, Sanjay Khemnar & Girish Kalra from Yadav Measurements.



N.K. Bhati is a Graduate in Electronics & Communication Engineering from MBM Engg. College, University of Jodhpur in 1977. He is Gold medalist from his university. Presently working as Managing Director, YMPL. He has over 27 years experience in product development R&D, Production, Quality

system in electronic industrial products and computer systems. He was involved in metering related product development and manufacturing and applications for last 12 years. He has been leading YMPL team in setting up laboratory, quality systems, accreditations etc. from inception of lab. His present other interests and activities are in Manufacturing Processes & Static meter testing systems and automation.



B.M. Vyas received Bachelor of Engineering Degree in 1990 from M.S. University,

Baroda (India) in electronics and MBA degree from Sukhadia University, Udaipur (India) in 1996. He is at present Assistant General Manager in Yadav Measurements Pvt. Ltd. He has total 18 years experience in manufacturing, quality, metrology and reliability in electronics industry. He is qualified lead assessor for assessment of quality system as per ISO 9000 and IEC 17025.



Kiran Shrikant Kelapure has received his Diploma in Electrical from Govt. Polytechnic, Nagpur in 1986. He has total 22 years experience in commissioning and maintenance of all Electrical equipments specially Switch Yard equipments. He has a wide experience in Energy

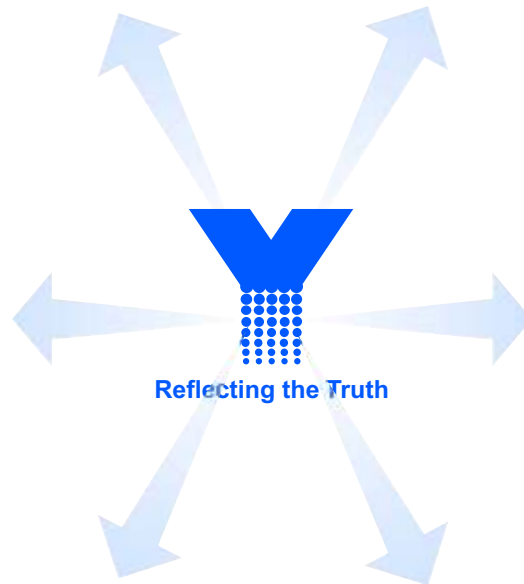
management and handled many energy conservation projects. He was approved Energy Manager by BEE in his previous cement organization. Presently in Yadav Measurements Pvt. Ltd. he is in-charge of all On-site activities like testing and calibration of CT-PTs up to 132 kV and energy meters which are accredited by NABL.



Abhijat Dube has received his Bachelor of Engineering Degree (Electronics) in 1993 from University of Poona and Post Graduate Diploma in Management and he is at present Manager responsible for execution of Calibration & Electrical testing jobs of permanent lab in Yadav Measurements Pvt. Ltd. He has total 16 years experience

in various sections such as quality, manufacturing, repair & rework, marketing and metrology in Secure Meters Ltd an Electronics industry.

He is a trained qualified internal auditor and NABL assessor for assessment of quality system as per ISO/IEC/IS 17025. He is trained for conducting Proficiency testing program / inter-laboratory comparisons. He has worked as Project In-charge for Meter Installations and accuracy testing, Bill generation and distribution work. He has attended National and International Conferences.



Umesh Soni

has received his Bachelor of Engineering Degree in 1996 from Amravati University, Maharashtra (India).



He is Gold Medalist in Electronics and telecommunication engineering. He is at present Manager in Yadav Measurements Pvt. Ltd. responsible for management of onsite projects. He has total 12 years experience in manufacturing, marketing and metrology in Electronics industry, He played leading role in getting the accreditation from NABL and UKAS. He is a trained qualified internal auditor and assessor for assessment of quality system as per ISO/IEC/IS 17025 and ISO 9000. Listed auditor by NABL for assessment of laboratories for grant of NABL accreditation and has audited more than 10 laboratories on behalf of NABL. He is also trained for conducting Proficiency testing program / inter-laboratory comparisons. He has executed on site testing project at UPSEB / BSES / APCPDCL Substations.

Course Fees

The Course fees details are as follows

Registration	Course Fees (Rs) per participant Including Taxes	US \$	Accommodation
Till 16 Sep. 09	16000/-	1550	Residential accommodation Guaranteed.
After 16 Sep. 09	17000/-	1600	Residential accommodation Subject to availability

This fees includes service tax and also covers course material, tea , snacks , breakfast, lunch , Dinner and transport facility to and fro hotel to Course venue.

Accommodation

This course is residential and accommodation (air conditioned single occupancy) to the participants will probably or other any equivalent.

Hotel India International, opp. Meera Girls college, Nr. Petrol Pump, Sardarpura, Udaipur, Tel : +91-294-2424101-103 and 2425501 or equivalent hotel.

Course venue and timing

Yadav Measurements Private Limited, Plot no. 373-375, RIICO Bhamashah Industrial Area, Kaladwas, Udaipur (Raj.) India Ph. : +91-294-2650127, 2650128 Telefax : +91-294-2650129. Timings : 9am to 6 pm

Registration

The registration for the course is on first-come-first serve, basis. Total number of participants is restricted to 25 in view of the available laboratory facilities. The registration form must reach the course coordinator by 16th Sep. 2009 along with requisite course fee.

Cancellation Policy

Cancellation if any before 16th Sep. 2009, will get 50% refund. Thereafter no refund, however participant will be accommodated in next course.

For further information please contact :
Course Coordinator

Mr. Abhijat Dube

Ph. : +91-294-2650127, 2650128
Manager, Yadav Measurements Pvt. Ltd.

The next Metering School Course
from 1st Dec. till 11th Dec. 09



YADAV MEASUREMENTS PVT. LTD.

P.B. No. 169, Plot no. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur (Raj.) India

Ph. : +91-294-2654102-04, 4118 Telefax : +91-294-2650129.

E-mail : metering.school@ymllabs.com, yadav.measurements@ymllab.com

Website : www.ymllabs.com

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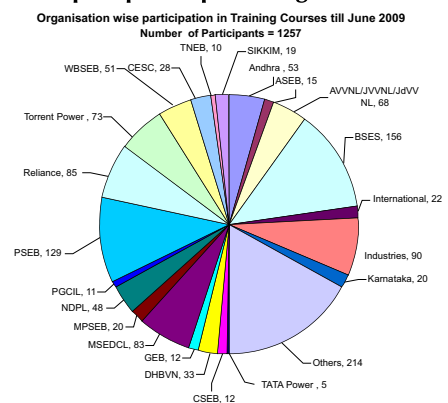
Yadav Measurements Pvt. Ltd.

Yadav Measurements Pvt. Ltd. (YMPL) is involved in providing measurement and calibration services in electrical sector. YMPL specializes in power and energy measurement, solid state Energy Meter Testing etc. on site calibration of instrument. Transformers in substations. YMPL provides state-of-the-art measurements and is having best measurement capability of 0.01%.

YMPL is accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL), Govt. of India and by United Kingdom Accreditation Service (UKAS), UK. YMPL is equipped with high precision, high accuracy testing and calibration equipment and is committed to provide accurate, reliable and valid measurement and test results to all our customers at all times.

YMPL with a vast experience in the field of electrical measurement, calibration, design and manufacturing of static meters and training of power sector professionals, has been operating in training and education for utility engineers. 19 metering schools and 8 workshop on Revenue Protection and 5 course on NABL Accreditation and 6 onsite courses revenue protection conducted by us received an overwhelming response. About 1250 participants from country's top electricity utilities have participated in the program

Break-up of participants organisation wise



The course was highly appreciated by all the participants as well as by the authorities in the respective utilities.

Special calibration service offer during training

YMPL calibrates all types of energy meters reference standards (e.g MTE, L&G, Zera, Schlumberger etc.), portable energy meter calibrators (e.g. accuchek), reference CT/PT, CT/PT calibrators and many other electrical instruments being used by utilities. Participants coming to this course can bring their instrument along with them for calibration which will be completed during the course period itself. Hence they can take the instrument back with themselves along with calibration certificate. For this service please contact B.M.Vyas (09829267374), Manish (09928331774) & Sandeep (09929606477)

REGISTRATION FORM

Telefax : ++91-294-2650129

6th Training on NABL Accreditation (5-9 October, 2009)

Full Name (in Block Letters)	Designation	Course Fees	Total
1.			
2.			
3.			
4.			
5.			
			Total Fees

Organization

Telephone Fax: E-mail

Signature Date

The course fee of Rs. (Rupees only) is being sent vide cheque/D.D. No. dated drawn in favour of Yadav Measurements Pvt. Ltd., payable at Udaipur.

Course Fees

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Please return the completed form to:

Mr. Abhijat Dube
Manager

Yadav Measurements Pvt. Ltd.
P.B. No. 169, Plot no. 373-375, RIICO Bhamashah Industrial Area,
Kaladwas, Udaipur (Raj.) India

Ph. : +91-294-2654102-04, 4118 Telefax : +91-294-2650129.

E-mail : metering.school@ymllabs.com, yadav.measurements@ymllab.com

Website : www.ymlabs.com



Yadav Measurements Pvt. Ltd.

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Training Calendar (September, 2009 – March, 2010)

S.No	Name of the Training Module	Start Date	Completion Date
1.	Metering School Electricity metering technologies and systems	8 Sep. 09	12 Sep. 09
2.	Metering School Electricity metering technologies. Advanced applications and systems.	14 Sep. 09	18 Sep. 09
3.	Laboratory Accreditation (NABL) of meter testing lab in utilities.	5 October 09	9 October 09
4.	Metering School Electricity metering technologies and systems	1 Dec 09	5 Dec 09
5.	Metering School Electricity metering technologies. Advanced applications and systems.	7 Dec 09	11 Dec 09
6.	Workshop on Electricity Revenue Protection.	18 Jan 10	22 Jan 10
7.	Metering School Electricity metering technologies and systems	9 March 10	13 March 10
8.	Metering School Electricity metering technologies. Advanced applications and systems	15 March 10	19 March 10