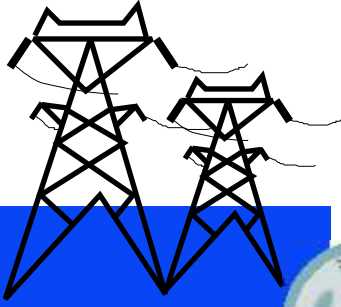


Yadav Measurements Pvt. Ltd.

Announces



10th Workshop on Electricity Revenue Protection

A USAID & MoP DRUM Training Program

DISTRIBUTION REFORM, UPGRADES AND MANAGEMENT

RECOGNISED & APPROVED By

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

2nd - 6th Feb., 2010.

Register before
18 Jan. 2010
&
Save Rs: 1000/-
OR
US\$ 50



2nd - 6th Feb., 2010. at Udaipur, Rajasthan, India



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



Electricity Revenue Protection

2nd - 6th Feb., 2010.

Introduction

Most of the electricity utilities in India and many other countries today, are facing difficult financial situation. The major contributor to the situation is high T & D losses and tamperers in metering systems are the main elements to such losses. All utilities are installing large numbers of new electronic meters which are tamper evident and capable of recording tamper information. However, there is a need to follow good installation practices and train utility staff to analyze the information provided by these state-of-the-art static meters. If this information is properly utilized, utilities can significantly reduce revenue losses.

Objective

The objective of workshop is to give an insight into revenue protection issues related to HT and LT metering systems and to provide knowledge of detecting frauds by tampering meter connections or various other techniques; inside or external to meters. The workshop also highlights on use of meter data for estimation of billing in tampered conditions together with legal aspects of electricity thefts. It also emphasizes on technology and analytical tools available for detecting tamperers.

Who should attend?

This workshop is specifically designed for senior utility engineers involved in revenue protection, metering and billing (particularly from vigilance and O&M) etc. so as to make them aware of basics of various issues involved in revenue protection and tamper prevention. This workshop is also useful for the policy makers of utilities as well as for the persons from legal wings of utilities.

How will I benefit?

- Understand different situations of meter tamper recording, true tamper or suspected (may be a tamper) for effective revenue protection.
- Learn, how to analyse meter data.
- Estimation for billing under tampered meter condition.
- Good installation practices which make tampering difficult.
- Familiarise with legal aspects of Electricity Act related to thefts.
- Sharing experiences with other utility engineers and utility experts.

Course Fees

The Course fees details are as follows

Registration	Course Fees (Rs)	US \$	Accommodation
Before 18 th Jan. 2010	16500/-	1550	Residential accommodation Guaranteed.
Between 18 th Jan. 2010 till 25 th Jan. 2010.	17500/-	1600	Residential accommodation Guaranteed.
Between 26 th Jan. 2010 till 2 nd Feb. 2010	9500/-	Not Applicable	Non Residential accommodation
Between 26 th Jan. 2010 till 2 nd Feb. 2010	17500/-	1600	Residential accommodation Subject to availability

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

Workshop Topics

- Energy Meter Hardware and Software.
- Tamper and revenue protection issues
- Tamper detections, reporting, deterrence
- System conditions ambiguities in tamper detection
- Installation practices and tamper prevention
- Energy meter data validation and analysis
- Seals and seal management system
- Meter data and tamper evidence
- Tamper and human safety issues
- Legal aspects
- Case Studies by Utility Expert.

Accommodation

This course is residential and accommodation (air conditioned single occupancy) to the participants will be provided at :

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

Workshop Venue and Timing

P.B. No. 169, Plot no. 373-375, RIICO Bhamashah Industrial Area, Kaladwas, Udaipur (Raj.)
Time : 9am to 6pm.

Registration

The registration for the workshop is on first come-first served basis. Total number of participants is restricted to 25 in view of the available laboratory facilities. The registration form must reach the coordinator by 18 Jan., 2010 along with requisite fee including service tax and surcharge. The registration is confirmed only on receipt of requisite fees.

Cancellation Policy

Cancellation if any before 18 Jan., 2010 will get 50% refund. Thereafter no refund, however participant will be accommodated in next course.

For further information please contact:

Abhijat Dube

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.
Email : metering.school@ymllabs.com
Website : www.ymllabs.com

Programme

	Day 1	Day 2	Day 3	Day 4	Day 5
Session - 1	Inauguration and Introduction Session	Lecture on Indian Electricity Act 03			Lecture and Panel discussions: Raids on suspected consumers, evidence and preparation for legal cases.
Session - 2	Lecture on Refresher course on basic of A.C. circuits and vector diagram		Lecture on Revenue protection issue in metering and system abnormal condition	Practical Session on Simulation of various types of tampers and study of recording of tamper evidence in meters.	Lecture and Panel discussions for Case studies of some utility about revenue improvement.
Session - 3	Lecture on Network security and installation practices				
Session - 4	Practical and demonstration on Network security and installation practices	Lecture on Static meters hardware and software			Question Answer session and closing of workshop

The Faculty



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 25 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 15 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.



Surendra Jhalora

has received his Bachelor of Engineering Degree in 1990 from MBM Engineering College Jodhpur.

He is a Gold Medalist in Electrical Engineering.

He has 18 years of Experience in the field of metering related to R&D, Manufacturing and Marketing. His specialization is revenue protection and currently system management. At present he is

working as Dy. General Manager, Marketing in Secure Meters Ltd. Responsible for Product management for new products, technologies etc. He is the member of National & International metering committees.



G.K. Panchal

He has an experience of 40 years in Power Distribution Sector, having worked with Surat Electricity Company (SEC) and Ahmedabad Electricity Company (AEC) for 36 years and in Datagen Power Systems for the last 5 years. He is also serving as the Group Technical Advisor to Secure Meters Ltd.

In his assignment at Power Utilities he was responsible for up gradation of the entire distribution system and brought down the AT&C loss substantially.

He has a deep understanding of the socio-technical and managerial aspects of electricity distribution and has filed patents. He has also presented a number of papers at national and international conferences. A paper was presented by him on "Experience with Electronic Meters" at 58th IEEMA Annual convention, Recently at an International Conference organized by Spintelligent the paper presented by him was well appreciated as innovative paper.

He is visiting faculty at MDI Gurgaon and Metering School at Udaipur He has widely traveled to various foreign countries.

He is at present leading the Datagen Power Systems (P) Ltd. Datagen is a service providing company in Power sector, specialized in technology aided and value added solutions and services like energy audits for distribution systems, meter reading and data analysis, bill management, services installations and commissioning of meters.



P. S. Shukla

has done Graduation in Law in year 1963, Joined Rajasthan Judicial Services (R.J.S) after that he was promoted to Rajasthan Higher judicial Services (R.H.J.S) worked as District and Sessions Judge in various districts of Rajasthan. After retirement he is practicing in Rajasthan High Court, Jaipur and different other forums.

His expertise area is mainly dealing with Electricity theft cases. Presently associated with Paras Khuard & Associates, Jaipur.



B.M. Vyas

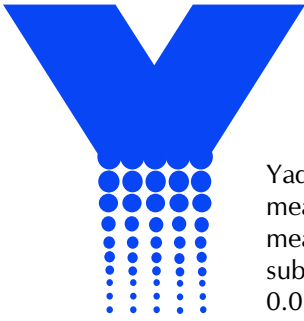
received Bachelor of Engineering Degree in 1990 from M.S. University, Baroda (India) in electronics and MBA degree from Sukhadia University, Udaipur (India) in 1996. He is at present Asst. General Manager in Yadav Measurements Pvt. Ltd. He has total 17 years experience in manufacturing, quality, metrology and reliability

in electronics industry. He is qualified lead assessor for assessment of quality system as per ISO 9000 and IEC 17025.

Other Contributors

Mr. Sunil Harkawat, Uttam Jain and other widely experienced utility and industry experts.





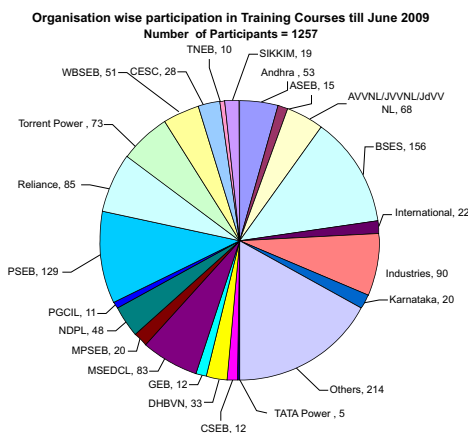
Yadav Measurements Pvt. Ltd.

Yadav Measurements Pvt. Ltd. (YMPL), a company incorporated in July, 2003 is engaged 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. in compliance & conformance to ISO/IEC 17025 : 2005 "General requirements for the competence of testing & calibration laboratories." YMPL is equipped with high precision, high accuracy testing and calibration equipment and is committed to provide accurate, reliable and valid measurement and test result to all our customers at all times.

We are one stop independent NABL and UKAS accredited and BIS recognised testing laboratory for type testing of static energy meters as per IS13779, IS14697, IEC61036, IEC60687, IEC62052-11, IEC62052-21, 22, 23, AS1284.5, AS1284.9, NMI M6 (Australian requirements), CBIP Report - 88., EN50470-1, EM50470-3. Our EMC and climatic laboratories with its skillful personnel and latest facilities can also be used for testing of other products.

Electricity Metering School



Until now, no effort has been made in India to make utility professionals acquainted with advances in metering technologies. Yadav Measurements Pvt. Ltd. with a vast experience in the field of electrical measurement, calibration and training of power sector professionals has now made an effort to fulfill this long felt need and launched the first Electricity Metering School in India. The Electricity Metering School, first of its type in India, provides high level overview of electricity metering, technologies, systems, solutions and information management. The key objective is to synergise knowledge of academicians, utilities, laboratories, and industrial practitioners thereby providing continuous education leading to better utilization of metering assets.

YMPL has been approved for conducting training Under MOP & USAID Distribution Reforms, upgrade & management (DRUM training program). 21st metering schools and 9th workshop on Revenue Protection conducted by us received an overwhelming response. Over 1250 participants from country's top electricity utilities viz. ABB Ltd., APCPDCL, APDPCL, APGENCO, APNPDC, BESCOM,

CPDCL, CPRI, CSEB, Datagen Power Systems, Entity Solutions Ltd., Gujarat Urja Vikas Nigam Ltd., KPTCL MAHADISCOM, MPSEB, NDPL, Noida Power, NTPC, PGCIL, PRI(UK), PSEB, Reliance Energy Ltd., SEC, SML, TATA Power, TNB Malaysia, Torrent Power AEC Ltd., UPERC, VSR Associate, WBSEB, Western Railways, DHBNV, etc. have participated in the program.

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

The next metering school programme is scheduled from 9-19 March 2010

MobiLAB

Yadav Measurements brings to your doorstep its pioneering MobiLAB, an unparalleled facility for calibration and testing of instrument transformers and all substation measuring instruments.

MobiLAB is a one-stop solution for traceable calibration of:

- Instrument transformer (current and voltage transformers)
- Energy and demand meters (active, reactive, apparent energy and demand)
- Indicating instruments (voltmeters, ammeters, power meters, frequency meters, PF indicators etc.)
- NABL Accredited for on-site Calibration.

All measurements made by MobiLAB conform to Indian and IEC specifications and are traceable to National Standards maintained by NPL. This is what makes MobiLAB an Echelon-2 laboratory on wheels.

The philosophy our services is driven by *Accuracy, Quality, Safety and Speed.*



View of Nehru Garden, Udaipur.

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.

Email : yadav.measurements@ymllabs.com Website : www.ymllabs.com

Rev. 9.0 Dated 09/12/10

REGISTRATION FORM

Telefax : : + 91-294-2650129

10th Workshop on Revenue Protection

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

Organisation

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.

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Yadav Measurements Pvt. Ltd.

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Annual Training Calendar, Period : Upto MARCH 2009

	Name of the Training Module	Start Date	Completion Date
1.	Metering school Electricity Metering technologies and systems.	1 Dec 09	5 Dec 09
2.	Metering school Electricity Metering technologies. Advanced application and systems.	7 Dec 09	11 Dec 09
3.	Metering School Electricity metering technologies. Advanced application and systems.	2 Feb 10	6 Feb 10
4.	Metering School Electricity metering technologies and systems.	9 March 10	13 March 10
5.	Metering School Electricity metering technologies. Advanced application and systems.	15 March 10	19 March 10