



Government of India
Ministry of Consumer Affairs, Food and Public Distribution
Department of Consumer Affairs

Indian Institute of Legal Metrology, Kanke, Ranchi



Special Training Course for Retail Outlet Petroleum Dealers
On
Legal Metrology Act 2009 and rules made thereunder, Measuring system for liquid other than
water, Bulk Meter and Vehicle Tanks

(08/01/2024 to 12/01/2024)

Programme officer:

- 1. Sh. Aditya Prasad, Assistant Professor**
- 2. Sh. Vivek Kumar Pandey, Assistant Professor**

(Sh. B.D.Konar)
Professor and Head of Office

About the Institute:

Indian Institute of Legal Metrology, a unique pioneer institute of its nature, commonly known as IILM, is a statutory body established by the Government of India under the provisions of the Standards of Weights and Measures Act, 1976 (60 of 1976), deemed to have been established under section 21 of the Legal Metrology Act, 2009. It is only one of its kinds not only in India but also an apex institute in the South and South East- Asia. This Institute is working under direct control of Central Govt., Ministry of Consumer Affairs, Food and Public Distribution, Department of Consumer Affairs. It is well equipped with reputed, highly qualified, experienced faculty members, resourceful laboratories and other allied necessary facilities to enable it to function effectively in the field of Legal Metrology. The total area of IILM is about 70000 m². Institute is imparting the training in the field of Legal Metrology and its allied branches. Exclusively Institute trains the Legal Metrology officers of India in the field of Legal Metrology by conducting 25 courses at its premises.

India is the State Member of the OIML; thus, India follows the international traceability of the Standards. In relation with standard weight or measure, India implements the OIML recommendation as per the Country requirements. Institute is also imparting training to the foreign officials of the Legal Metrology. Till date Institute had imparted training to the foreign officials of 32 countries.

Current Training activities of Institute-

- ✓ 4-month Basic Training Course in Legal Metrology (3 courses in calendar year).
- ✓ Special Courses in Legal Metrology, Seminar / Workshop on Legal Metrology & Consumer education
- ✓ Training for Foreign officials in Legal Metrology
- ✓ Training for PSU's / Industries etc.
- ✓ Awareness Programs in Legal Metrology



Trainee officials of Bhutan along with the faculty of IILM, Ranchi during their study tour

Detail of the Training Program

Name of the training Course:

Special Training Course for Retail Outlet Petroleum Dealers on Legal Metrology Act 2009 and rules made thereunder, Measuring system for liquid other than water, Bulk Meter and Vehicle Tanks.

Objective of the Course:

The objective of this training is to develop specific and useful knowledge, skills and techniques and to make the dealers of weights and measures familiar with the Legal Metrology Act 2009 and rules made thereunder, international traceability and testing procedure of Measuring system for liquid other than water, Bulk Meter and Vehicle Tanks. The objective of the training is also to spread the knowledge about the Metrological control of the Legal Metrology in weight or measure, yielding the hassle-free practices in the business and promoting the ease of doing business as well.

Duration of the Course– 5 Days

Eligibility of the Course –Members of Petroleum Dealers across India.

Course fee: Breakup of Course fee **per participant** –

Breakup of fee	Charges (₹)	Remarks
Tuition fee	Rs.20000	Fee may be remitted online under “Other Receipt (IILM)” head below Ministry of CA & PD in Bharatkosh.
Lodging Charge*	250 / day	IILM Hostel Accommodations only
Mess facility is available at the institute which is basically run by the <u>trainee officials only</u> and Messing charges will be borne by the trainee officials as per the actual expenses incurred in messing.		

* Participants may also avail accommodation outside the IILM Campus with their own arrangements.

Course Contents:

Aim of the training course, **Legal Metrology Act 2009**, Brief introduction about various **rules made under Legal Metrology Act, 2009**, Procedure for carrying out calibration of **Vehicle Tank** – Definitions, Testing Medium, Equipment and tools, Calibration Procedure, Maximum Permissible Error and Markings. **Measuring System for Liquids Other than Water** – Terminology, Field of Application, General Requirements, Requirements for meters and ancillary devices of a measuring system, measuring system equipped with electronic devices, Requirements specific to certain types of measuring systems, Metrological Control, **Bulk Meters** –Definitions, Types and Construction, Meter Installation, Tests, Maximum Permissible error, Marking and Sealing.

Methodology of the Training

Institute adopts broadly three methodologies to impart the training-

Conduction of Theory classes: To enrich the participants about the Legal and Technical aspects of the Legal Metrology. Lectures, study notes, worksheets, group discussion etc. are covered under the theory classes.

Conduction of Practical Classes: To make the familiarization with practical approach in technical aspects of the Legal Metrology. Under practical classes, participants have to perform the experiments which give the opportunity to learn the verification/testing process.

Conduction of field visit: To make the live demonstration of the verification/Testing procedure of the concerned weighing and measuring Instruments.

Note: One day field visit programme may be organized by the Institute for the live demonstration of testing procedure of Bulk Meters and Vehicle Tank Calibration. The cost of transportation etc. will be borne by the participants.

Evaluation of Training: At the end of the training, a general assessment will be conducted to evaluate the training outcomes.

Awarding of the Certificates: All the participants will be awarded Certificate at the end of the training programme.

Feedback form: At the end of programme, the participants will be requested for giving the feedback of the course which will help the Institute for further improvement.

INDIAN INSTITUTE OF LEGAL METROLOGY

KANKE, RANCHI

Title of the Course: -Special Training Course for Retail Outlet Petroleum Dealers on Legal Metrology Act 2009 and rules made thereunder, Measuring system for liquid other than water, Bulk Meter and Vehicle Tanks.

Duration of the Course: - One Week

Total No. of Working days:05

FACULTY MEMBERS

1.Dr. R. Kumar	Director
2. Sh. B.D. Konar (BDK),	Professor & Head of Office
3. Dr. D.K. Dwivedi (DKD),	Professor.
4. Sh. Manish Prasad (MP),	Professor.
5. Sh. Aditya Prasad (AP),	Asstt. Professor
6. Sh. M. L. Rastogi (MLR),	Asstt. Professor
7. Sh. Vivek Kumar Pandey (VKP)	Asstt. Professor
8. Sh. Ravi Shankar Singh (RSS),	Metrological Asstt
9. Sh. Manish Kumar (MK),	MetrologicalAsstt.
10. Sh.Himanshu Sahu(HS)	Metrological Asstt

(B.D.Konar)

Professor & Head of Office

Programme Officer: -

- 1) Sh. Aditya Prasad, Assistant Professor
- 2) Sh. Vivek Kumar Pandey,Assistant Professor

Distribution of the Topics

1. **Sh. B.D. Konar, Professor & Head of office**- Inauguration of the course, aim of the course, Introduction to Legal Metrology Act 2009 and rules made thereunder, provisions of the act and rules related to fuel dispensers, vehicle tanks and bulk meters.
2. **Dr. D. K. Dwivedi, Professor.** –Procedure for carrying out calibration of vehicle tank –Calibration Procedure, Maximum Permissible Error and Markings.
3. **Sh. Manish Prasad, Professor.** -Measuring System for Liquids Other than Water – Measuring system equipped with electronic devices, Requirements specific to certain types of measuring systems, Metrological Control.
4. **Sh. Aditya Prasad, Asstt. Professor:** Measuring System for Liquids Other than Water – Terminology, Field of Application, General Requirements, Requirements for meters and ancillary devices of a measuring system.
5. **Sh. M.L. Rastogi, Asstt. Professor:** Procedure for carrying out calibration of vehicle tank – Definitions, Testing Medium, Equipment and tools.
6. **Sh. Vivek Kumar Pandey, Asstt. Professor:** Bulk Meters –Definitions, Types and Construction, Meter Installation, Tests, Maximum Permissible error, Marking and Sealing.

Weekly Routine

Date	Day	THEORY			PRACTICAL
		10.00 - 10.50 Hrs	11.00 - 11:50 Hrs	12.00 - 12.50 Hrs	14:00-17:30 Hrs
08.01.2024	MONDAY	Inaugural address by Head of Office followed by class	DKD	MP	Testing of Fuel Dispenser -ALL Faculty -
09.01.2024	TUESDAY	AP	MLR	VKP	
10.01.2024	WEDNESDAY	DKD	BDK	MP	
11.01.2024	THURSDAY	MLR	AP	VKP	
12.01.2024	FRIDAY	MP	DKD	BDK	Conclusion of the course by Head of Office