

Effective Implementation and Internal Audit of ISO/IEC 17025 Laboratory Management System (LMS) and NABL Criteria



Organized by
FICCI QUALITY FORUM
May 26 - 29, 2015
FICCI, New Delhi



1. Introduction

The Quality Manager of any laboratory is the key person responsible for establishing and implementing the management system for effective operations of testing & calibration laboratories. So it is essential that the designated Quality Manager should be well versed with the requirements of ISO/IEC 17025 or ISO 15189 (whichever is applicable).

It is now the requirement of NABL that Quality Manager of the laboratories holding or seeking accreditation from NABL should undergo 4 days training on ISO/IEC 17025.

All the NABL accredited/applicant laboratories of NABL are to comply with above requirements latest by September 2014 and all laboratories applying (first time) for NABL accreditation after 1st November 2012 are required to comply with this requirement which will be verified during Pre/Final assessment by NABL.

Apart from being a mandatory requirement of NABL, this training course is also suitable for Technical Managers of testing/calibration laboratories.

2. Workshop Objectives

The aim of the workshop is to provide a concerted and comprehensive training on development & implementation of ISO/IEC 17025 Laboratory Management System (LMS) for building competence of Quality/Technical Manager and other personnel of testing and calibration laboratories.

At the end of the workshop, participants will be able to:

- ✓ Interpret the requirements of ISO/IEC 17025 and how to apply these requirements correctly
- ✓ Implement ISO/IEC 17025 LMS effectively
- ✓ Conduct an effective gap analysis/internal audit/ third party audit of LMS
- ✓ Meet NABL criteria for training of Quality Managers

3. You should attend this workshop if,

- ✓ You want to comply with mandatory NABL requirements for training of Quality Managers in laboratories
- ✓ You want to understand the value of operating effective laboratory management system
- ✓ You are looking to expand your skills in the area of good laboratory practices
- ✓ You are involved in preparing your organisation for assessment/accreditation by NABL or you are already a Quality/Technical Manager in NABL accredited laboratory
- ✓ You want to assess LMS of your supporting laboratories

4. Course Material

Course kit comprising detailed course material and International Standard ISO/IEC 17025 is provided to each participant.

5. Methodology & Certification

A judicious mix of class room presentations, exercises, group discussion, case studies and hands-on practice will be used. Participants will be encouraged to relate the learning to live situations.

Participants who successfully complete the continuous assessment during the course and also the written examination conducted on 4th day of the course will be issued a certificate by FICCI.

6. Course Schedule & Registration Procedure

Date: May 26 – 29, 2015

Timing: 09:30 hrs – 17:30 hrs

Nature: Non residential

Venue: Federation House, New Delhi

Participation Fee: Rs. 16,000 plus Service Tax, as applicable (Includes cost of training, course kit, lunch, tea etc.)

Registration: Send registration form along with Cheque/DD in favour of "FICCI Quality Forum". The seats are limited to 20 and registration will be done on first come first serve basis

For further details & to reserve your seat, please contact:

Mritunjay Kumar

T: +91-11-2348 7356

M: +91 - 99111 64501

E: fgf@ficci.com; mritunjay.kumar@ficci.com

8. About our Lead Faculty

Our Lead faculty of this course Mr. Basudev Bhattacharya has rich experience of 43 years in the field of designing, functioning, & managing testing laboratories. He was one of the founder members of Pilot Test House of the Government of India, Ministry of Commerce, a premier test and calibration centre for testing export products from the country.

Mr Bhattacharya was trained on Laboratory Management in UK in 1988 under the Indo-EEC Co-operation. He has been an International consultant in the field of laboratory accreditation on behalf of International Trade Centre; a Geneva based UN Agency. He was Chairman of Technical Committee on Photometry of NABL and member of the NABL technical committees on Clinical & Food Testing Laboratories.

He has presented and published more than 30 papers on a variety of technical subjects in National and International Journals, seminars and conferences. He has conducted more than 150 in-house workshops and training programmes on LMS in India, Bangladesh, Mauritius, Dubai, Abu Dhabi & Kuwait, and has trained more than 2000 persons. He has been providing auditing services to accredited laboratories and certified organizations as per ISO/IEC 17025, ISO 15189 & ISO 9001 Standards. and has conducted more than 75 such audits.

He has also provided LMS implementation support to 13 laboratories in different disciplines (viz. Chemical, Clinical, Mechanical, Electrical testing etc and Calibration of Mass-Dimension-Thermal-Pressure which have successfully achieved NABL accreditation.

9. About FICCI Quality Forum

FICCI Quality Forum (FQF) is a specialized division of Federation of Indian Chambers of Commerce and Industry (FICCI) set up with objective to sharpen the competitive edge of Indian Industry. FQF provides training, consultancy and research services focused on enhancing the quality quotient of clients and partner organization.

For the past 20 years, FQF is providing training on various ISO management systems and has a pool of highly competent & experienced trainers to conduct training courses.

FQF has collaboration arrangements with TUV NORD CERT GmbH for providing IRCA, UK approved Auditor/Lead Auditor training courses on ISO 9001 Quality Management System (QMS), ISO 14001 Environment Management System (EMS), ISO 22000 Food Safety Management System (FSMS) and Occupational Health and Safety Management System (OHSAS) 18001 standards. A summary of feedback given by past participants of these courses is included in this brochure.

In addition we also provide training on Six Sigma Green and Black belt certification, and Project Management. We also provide consultancy support on effective implementation of above management systems including LMS leading to certification/accreditation.

<p>10. Workshop Content</p> <ol style="list-style-type: none"> 1. Introduction <ol style="list-style-type: none"> 1.1. Certification and Accreditation 1.2. The Global scenario and APLAC, ILAC MRA. 2. Overview of LMS and structure of ISO 17025 3. Management Requirements of ISO/IEC 17025 with detailed examination of important management system elements <ol style="list-style-type: none"> 3.1 Document control 3.2 Control of non-conformities 3.3 Corrective action 3.4 Preventive action 3.5 Management Review 4. Technical Requirements of ISO 17025 with detailed examination of important technical operations <ol style="list-style-type: none"> 4.1 Personnel 4.2 Accommodation and Environmental conditions 4.3 Test & calibration methods and method validation 4.4 Overview of measurement uncertainty 4.5 Equipment 4.6 Measurement Traceability 4.7 Assuring Quality of Test & Calibration Results 5. Internal Audit <ol style="list-style-type: none"> 5.1 Introduction to Audit 5.2 Types and Methods of Audit 5.3 Checklist Preparation, 5.4 Audit Planning and Audit Schedule. 5.5 The Audit Process 5.6 Identification of Non Conformities 5.7 Preparation of Audit Report 6. Steps of Implementation of LMS leading to accreditation 7. Discipline-wise specific criteria of NABL accreditation viz. Chemical, Mechanical, Electrical, Clinical, Biological, Calibration etc. 8. The Accreditation process of NABL <ol style="list-style-type: none"> 8.1 Adequacy audit 8.2 Pre-assessment by Lead Assessor 8.3 Final assessment 8.4 Examination of assessment report by Accreditation Committee 8.5 Issue of accreditation certificate <p><i>Syndicate Exercises on above</i></p>	<p><u>Some Comments from participants of ISO Workshop conducted by FICCI</u></p> <ul style="list-style-type: none"> ▪ The course and the manner in which it was delivered certainly deserve high grades on the scale. It has gone beyond what I had actually expected before being part of it. ▪ The friendly and tension free environment created by the trainer. ▪ Calmness of trainer in answering all the queries. ▪ The learning that comes with each course is always good but the way it is given is really important. The Course material/learning were very well disseminated and the ease with which I could learn was good. I enjoyed learning. ▪ I had wonderful experience which is full of knowledge and information which will not only help in my professional life but also personal life. ▪ Workshop was very good especially faculty was extremely good; having full knowledge about the concept. ▪ Through this workshop, I got more benefit. Before this course my knowledge on LMS was zero. But now I can say I am having more knowledge. ▪ The structured methodology and experience and expertise level of the faculty. ▪ Ample time being given to understand every aspect of the standard. ▪ Workshop material was very clear and sequential methodology was conducive to learning. ▪ The Role Play-Audit, Exercises in groups & individual assignments. ▪ The deliberations by the faculty was the best thing. His pace & pitch during the entire course was constant which led to good learning. ▪ Lively presentation, healthy interaction and professional approach. ▪ Teaching method was excellent. Still can't believe that whole ISO 17025 covered and understood so well in 4 days.
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**LIST OF PARTICIPANT OF LAST ISO/IEC 17025 LABORATORY MANAGEMENT
WORKSHOP**

<p>Mr. Kasim Saifi Executive - Quality Assurance FICCI Research & Analysis Centre New Delhi M: 098998 92944 E: kasim@fraclabs.org; kasimsaifi10@gmail.com</p>	<p>Ms. Vaishali Vasishtha Quality Analyst Avon Food Lab Pvt Ltd New Delhi-110088 M: 098101 06242 E: vaishali.vasis@gmail.com</p>
<p>Mr. Navneet Kumar Assistant Manager SGS India Pvt. Ltd Gurgaon Haryana M: 097177 30354 E: Navneet_kumar@sgs.com</p>	<p>Ms. Saloni Sharma Quality Assurance Coordinator SGS India Pvt. Ltd Gurgaon Haryana M: 084476 32494 E: saloni.sharma@sgs.com; Ssaloni74@yahoo.com</p>
<p>Prof. Rathnakar Achary Assistant Professor Alliance University Bangalore Karnataka M: 094488 71233; 080309 38100 E: rathnakar.achary@alliance.edu.in</p>	<p>Mr. Ravi Kiran Manager – Administration Alliance University Alliance University Bangalore Karnataka M: 099801 68345; 080309 38100 E: ravi.kiran@alliance.edu.in v.ravikiran@gmail.com</p>
<p>Mr. Jatin Takkar Officer- FS&Q Heinz India Pvt. Limited Noida Uttar Pradesh M: 099976 01758 E: Jatin.takkar@in.hjheinz.com</p>	<p>Mr. A. Murugan Junior Works Manager Ordnance Clothing Factory Chennai Tamil Nadu M: 081445 51233 E: fibremurugan@gmail.com</p>
<p>Mr. V. Santhanam Junior Works Manager Ordnance Clothing Factory Chennai Tamil Nadu M: 092834 55693 E: santhanam7675@gmail.com</p>	<p>Mr C Soupramanien Senior Technical Officer CSIR - National Metallurgical Laboratory Jamshedpur Jharkhand M: 072094 21264 T (O): 0657-2345189 M: csmanien@nmlindia.org; csmanien@gmail.com</p>

<p>Mr. Nitesh Kumar Lab Engineer Bureau Veritas Consumer Products Services (I) Pvt. Ltd. Noida Uttar Pradesh M: 097173 63620; 081308 55221 E: nitesh414@gmail.com</p>	<p>Mr. Om Prakash Jat Asst. Manager Gravita India Ltd. Jaipur Rajasthan M: 077268 52303; 097843 48501 E: factory.lab@gravitaexim.com; omjaat4@gmail.com</p>
<p>Mr. Ajay Sharma Asst. Manager Gravita Metals Jammu Jammu & Kashmir M: 096220 11859 E: ajay.sharma@gravitametals.com</p>	<p>Mrs. S. Kumar AVQI Certification Services New Delhi M: 097164 38825 E: info.avqi@yahoo.in</p>
<p>Mr. Jinesh Shah AGM Greenleaf Envirotech Pvt Ltd Surat Gujarat M: 090990 01554 E: Jinesh.Shah@Glepl.Com</p>	<p>Mr. Mahesh Patel Lab Supervisor Greenleaf Envirotech Pvt Ltd Surat Gujarat E: lab@glepl.com</p>
<p>Mr. Sunil Jain Deputy General Manager Blue Star Limited Mumbai Maharashtra T: 022 67924000 M: 099309 66872 E: suniljain@bluestarindia.com</p>	<p>Mr. Sandip Shelke Senior Manager Blue Star Limited Mumbai Maharashtra M: 093238 55910 E: sandips@bluestarindia.com</p>
<p>Mr. Biju K. J. Chemist Petronet LNG Limited Kerala T: 0484 2757318/2502259/60/63/68 M: 094950 07697 E: bijukj@petronetlng.com</p>	<p>Mr. Siddhartha Dhupar Director Dhupar Chemicals Pvt. Ltd. Kanpur Uttar Pradesh M: 09793161616 / 07275556666 E: siddhartha@dhuparchemicals.co.in</p>
<p>Mr. Shreyans Shah General Manager-Quality Management Hitachi Home & Life Solutions (I) Ltd Mehsana Gujarat M: 093742 40076 E: shreyans@hitachi-hli.com</p>	<p>Mr. Jayesh Sutariya Sr. Manager-Quality Management Mehsana Gujarat M: 093742 40081 E: Jayesh.sutaria@hitachi-hli.com</p>

<p>Mr. Siddharath Biswas Executive - Quality Management Hitachi Home & Life Solutions (I) Ltd Mehsana Gujarat M: 095865 77264 E: Biswas.siddharath85@gmail.com</p>	<p>Mr. Sanjib Kalita Manager-Design & Development Hitachi Home & Life Solutions (I) Ltd Mehsana Gujarat M: 093279 10163 E: Sanjib.kalita@hitachi-hli.com</p>
<p>Mr. Suresh C. Verma Addl G.M. Ordinance Factory - Ambarnath Maharashtra M: 094221 76730 E: ofa.ofb@nic.in</p>	<p>Mr. Manoj Mishra Manager - Physical Lab Bureau Veritas Consumer Product Services (I) Pvt. Ltd. Noida Uttar Pradesh M: +91 – 88009 90927 E: manoj.mishra@in.bureauveritas.com</p>
<p>Mr. Anil Srivastava Manager – Colour Lab Bureau Veritas Consumer Product Services (I) Pvt. Ltd. Noida Uttar Pradesh M: +91 – 97161 53673 E: anil.srivastava@in.bureauveritas.com</p>	<p>Mr. Shahab Siddiqi Manager - Analytical Services Bureau Veritas Consumer Product Services (I) Pvt. Ltd. Noida Uttar Pradesh M: +91 - 98108 34316 E: Shahab.siddiqi@in.bureauveritas.com</p>
<p>Mr. Rahul Srivastava Manager - Analytical Services Bureau Veritas Consumer Product Services (I) Pvt. Ltd. Noida Uttar Pradesh M: +91 - 81304 95751 E: Rahul.srivastava@in.bureauveritas.com</p>	<p>Mr. Pankaj Verma Executive Bureau Veritas Consumer Product Services (I) Pvt. Ltd. Noida Uttar Pradesh M: +91 – 98916 39648 E: pankaj.verma@in.bureauveritas.com</p>
<p>Mr. Sanjay Sharma Manager - Analytical services Bureau Veritas Consumer Product Services (I) Pvt. Ltd. Noida Uttar Pradesh M: +91 – 98680 46151 E: Sanjay.sharma@in.bureauveritas.com</p>	<p>Mr Mahendra Kumar Mahato, Sr. Technical Officer - CSIR-NML Jamshedpur Jharkhand M: +91 – 97716 94371 E: mkmahato@nmlindia.org</p>
<p>Mr. Krishna Guguloth Scientist - CSIR-NML Jamshedpur Jharkhand M: +91 – 94301 57248 E: krishna@nmlindia.org</p>	<p>Mr. Anil Deka Numaligarh Refinery Ltd. Golaghat Assam M: +91 – 94353 21504 E: anil.deka@nrl.co.in</p>

<p>Mr Prabir Kumar Roy Sr. Technical Officer - CSIR-NML Jamshedpur Jharkhand M: +91 – 94705 67331 E: prabir@nmlindia.org</p>	<p>Dr. Sumando Bandyopadhyay Sr. Manager SABIC Research & Technology Pvt. Ltd. Bengaluru, Karnataka T: +91- 80 -6760 6338 M: +91 – 88849 66997 E: Sumanda.Bandyopadhyay@SABIC.COM</p>
<p>Mr. Mohammed Sarfraz Alam QC Inspector - Almajdouie Group Kingdom of Saudi Arabia M: 00966532998370 / +91-7545847737 E: alam.qcanalyst@yahoo.in</p>	<p>Dr. Sanjay Kapil Director - Technical & Quality Alm Industries Limited Saharanpur Uttar Pradesh M: +91 – 99170 66617 E: Sanjay.Kapil@gmail.com</p>
<p>Mr. Amarendra Kumar Asst. Manager Quality - Mawana Sugars Ltd Bareilly Uttar Pradesh M: +91-97194 22694 E: amer.micro87@gmail.com amrendrkr@mawanasugars.com</p>	<p>Ms. Brindha .S.T Director - Pixeltek Info Global Solution (P) Ltd. Bengaluru Karnataka M: + 91 – 98860 26827 E: Brindha_st@hotmail.com</p>
<p>Mr. Nilesh D Asst Manager - JSW Energy Limited Bellary Karnataka M: +91 – 94498 49762; +91 – 94498 79427 E: Nilesh.bareyya@jsw.in</p>	<p>Mr. B. N. Sarma Quality Manager Numaligarh Refinery Ltd., Assam M: +91 – 94340 50121 E: bhupen.n.sarma@nrl.co.in</p>
<p>Mr. Ajay Sharma Sr. Manager - FICCI Research Analysis Centre Dwarka New Delhi T: +91 – 11 – 4533 3500 M: +91 – 94184 55880 E: Jatintakkar_86@yahoo.com</p>	<p>Mr. Suresh Chander Pande Tech. Manager (Mech.) Eko Pro Engineers (P) Ltd. Ghaziabad, Uttar Pradesh M: +91 – 97179 12735 E: sureshpandeg@gmail.com</p>
<p>Mr. R. Kumar Scientist 'F' Defence Food Research Laboratory Siddarthnagar, Mysore, Karnataka M: +91 - 98452 47070 E: kumardfrrl@gmail.com</p>	<p>Mr. Harish Chandra Dangwal Sec. Manager (Testing & Validation) Motherson Sumi Systems Ltd. Noida, Uttar Pradesh M: 099902 74240 E: harish@mssl.motherson.com</p>

<p>Ms. Dechen Wangmo Lab. Officer National Food Testing Laboratory BAFRA, Thimphu, Bhutan T: +975 17450500 E: nehced88@yahoo.com</p>	<p>Mr. Anil Rai Lab. Officer National Food Testing Laboratory BAFRA, Yusipang, Thiimphu, Bhutan T: +975 16905749 E: raianil690@gmail.com</p>
<p>Mr. Prabhat Ranjan Jena Asst. Manager, RSTS Laboratory SGS India Private Limited Gurgaon, Haryana M: +91 - 99716 34270 E: prabhatranjan.jena@sgs.com</p>	<p>Mr. Kiran Subedi Chemist Nepal Bureau of Standards & Metrology (NBSM) Kathmandu, Nepal M: +977 – 98413 28300; E: kiran_subedi2001@yahoo.com</p>
<p>Ms. Neelima Gupta Section In-Charge (Micro Biology) Eko Pro Engineers Pvt Ltd. Ghaziabad, Uttar Pradesh M: +91- 95603 77585; E: ms.neelimagupta2011@gmail.com</p>	<p>Mr. Ravinder Nath Bansal Deputy Medical Superintendent GGS Medical Collage – Faridkot, Punjab M: +91 – 92166 06014 E: ravinder@drbansal.in</p>
<p>Mr. Libin Kumar KV Section In-charge, RSTS Laboratory SGS India Private Limited Gurgaon, Haryana M: +91 - 99992 63650; E: libin.kumar@sgs.com</p>	<p>Mr. Mohd. Asif Amrohvi Quality Manager Microlit Lucknow, Uttar Pradesh M: +91 – 98387 11500; E: asifamrohvi.microlit@gmail.com</p>
<p>Mr. Subarna Prasad Upadhyaya Director Nepal Bureau of Standards & Metrology (NBSM) Kathmandu, Nepal M: +977 – 98414 44431 E: spu63@yahoo.com</p>	<p>Ms. Poonam Gupta Sr. Engineer Motherson Sumi Systems Ltd. Noida, Uttar Pradesh M: +91 - 98109 10177 E: poonam.gupta@mssl.motherson.com</p>
<p>Ms. Tripti Tanwani Manager Motherson Sumi Systems Ltd. Noida, Uttar Pradesh M: +91 – 98110 54205; E: triptitanwani@mssl.motherson.com</p>	<p>Ms. Ananya Borgohain Officer – Quality Control Numaligarh Refinery Ltd, Assam M: +91 – 94353 38396 E: Ananya.borgohain@nrl.co.in</p>
<p>Mr. Chiranjib Ganguly Technical In-charge – Softlines Consumer Testing Services SGS India Private Limited Gurgaon, Haryana M: +91 - 99990 80434; E: chiranjeeb_ganguly@sgs.com</p>	<p>Mr. Kajal Bhatoa Asst. Manager Motherson Sumi Systems Ltd, Noida, Uttar Pradesh M: +91 - 98730 64850; E: kajalbhatoo@mssl.motherson.com</p>
<p>Mr. Koushik Dutta Junior Works Manager Rifle Factory – Ishapore, West Bengal M: +91 – 90517 54001 E: Koushik.dtt@gmail.com</p>	<p>Mr. K. Thirupathi Works Manager Vehicle Factory – Jabalpur, Madhya Pradesh M: +91 - 89897 32145; E: kankalathirupathi@gmail.com</p>