
Prospectus on EnMS ISO 50001 IRCA certified Lead Auditor Training



1. Rationale:

Energy Efficiency Centre (EEC)/ Federation of Nepalese Chambers of Commerce and Industry (FNCCI) with support by GIZ/NEEP initiatives during phase 1 and phase 2 so far, have helped to create a pool of 64 trained energy auditors and 16 Energy Managers to serve the cause of Nepalese industry and energy intensive consumers, who so far have successfully conducted over 49 Investment Grade Energy Audits and more than 60 Walk Through Energy Audits.

While the function of an Energy Auditor can be analogous to that of a chartered accountant, to bring out avenues for savings and rational use of energy and function of an in house Energy Manager is analogous to an internal accountant, or management representative for an ISO standard, ensuring delivery and compliance of all energy management functions from management point of view.

With the recent advent of ISO 50001 series standards, which specifically address various energy management functions among compliant entities, it is felt that, the Nepalese industry sector and energy intensive commercial facilities too, could gainfully adopt the EnMS ISO 50001 standard, and benefit, by achieving improved energy efficiency, energy management functions, reporting, management information system and branding. In order to fulfill the envisaged requirement of a pool of Auditors, who would provide awareness raising, documentation and ISO 50001 certification services to aspiring Nepalese industry and commercial entities, NEEP II operational plan and work plan, factored in, a capacity building intervention, whereby **12 IRCA certified Lead Auditors of ISO 50001** are created.

This becomes even more relevant, as the Government is already working on energy policy and it would auger well for the Nepalese economy if ISO 50001 is widely adopted.

2. Duration and location of the LA Course: 6 full days (including 1-day orientation/awareness Program) Residential, Twin sharing accommodation on bed, breakfast and dinner basis).

3. Dates: May 07 – May 12, 2017

4. Trainer Organization Profile:

A culture of quality, a certificate of excellence, BSI Learning is one of the world's leading providers of training, information and knowledge on standards, management systems, business improvement and the achievement of regulatory approval for products.

BSI expert teams provide top quality training to organizations of all sizes and every type of activity - ranging from leading multinationals to small, innovative start-ups and from governments to charities.

From understanding how a standard can help business, to implementing, monitoring and auditing compliance to that standard, BSI can support organizations all the way.



A leading international provider of management systems training. BSI courses are built on innovative concepts and ideas of auditing excellence, as well as industry pioneering delivery that exceeds the norm.

BSI Learning will improve and enhance the skills of management systems professionals, creating a positive impact on organizational performance.

BSI Resources:

Since its foundation in 1901, BSI Group has grown into a leading global independent business services organization that inspires confidence and delivers assurance to customers with standards-based solutions. Originating as the world's first national standards body, the Group has over 2,250 staff operating in over 100 countries through more than 50 global offices.

All of BSI team are drawn from industry and have hands on experience in the application of their specialist subjects. BSI's approach is to work closely with clients during improvement initiatives. This can be achieved through classroom education, facilitation of chosen development activities, or a combination of both. The BSI Tutors possess expertise in the following areas

- Supply Chain Management
- Quality Management
- Environment
- Health & Safety
- Food
- Six Sigma
- Just In Time/ Lean Manufacturing
- IT Security management
- Information Security Management System
- Automotives
- Business Continuity Management (BS25999)
- PAS 99 (Integrated Management Systems)
- Social Accountability
- Energy Management
- Risk Management

5. Faculty and Certification: A Faculty from BSI, a leading international training and ISO certifying institution from India, would conduct the ISO 50001 awareness program followed by an intensive five day IRCA certified lead auditor certification course. Successful candidates of certification examination will be awarded the IRCA ISO 50001 certificate from BSI, while the rest would be awarded participation certificates.

6. Pre-requisites to be eligible for EnMS ISO 50001 LA Training course:

Nationality: Should be a citizen of Nepal



Education: Should have a minimum Bachelor's degree from Mechanical / Industrial / Electrical engineering

Or
Science graduate

Consultants with other ISO lead auditor certifications.

Work experience: Should be at least mid-level manager, higher level Would be preferred and a minimum of 3 years work experience in case of engineering background or over 5 years of work Experience in case of Science background.

Women candidates are encouraged to apply.

- **Applicant has to submit the scan documents.**



Schedule for Orientation/Awareness course on May 07. 2017

Time	Topic
8:00	Introduction
	Overview of course structure and learning objectives
Morning Break	Energy and Energy Management
	Benefits to using an energy management system
Lunch	Introduction to ISO 50001
	General Requirements and Management Responsibility (4.1 and 4.2)
	Energy Policy and Energy Planning (4.3 and 4.4)
Afternoon break	Implementation and Operation (4.5)
	Checking and Management Review (4.6 and 4.7)
4:30	Review and Wrap up Day 1

Two short breaks will be taken at suitably convenient times in the morning and afternoon. An hour will be given for a lunch break. Additional breaks may be taken as long as agreed by participants and instructor, and all learning objectives are met



Schedule for 5-day LA Training course

Day 1 (May 08, 2017)

Time	Topic
8:30	Welcome and introductions
	Overview of course structure and learning objectives
	The principles and concepts of energy performance and an introduction to energy management systems
Morning Break	The elements of the PDCA cycle
	Terms and definitions
Lunch	Introduction to auditing
	Introduction to audit activities
Afternoon break	Audit Programming
	Competence of the auditor
	Document Review
17:30	Audit Plans
	Close day 1

Day 2 (May 09, 2017)

Time	Topic
8:30	Welcome back and any questions from Day 1
	Review of ISO 50001 requirements
	Prepare work documents
Morning Break	Responsibilities
	Opening meeting
	Collect and verify audit information



Lunch	Audit questioning techniques, gathering and verifying information, taking notes and handling difficult situations
	Introduction to nonconformities
	Refresh on ISO 50001 requirements
Afternoon break	Auditing to ISO 50001 requirements:
	Policy, objectives, resources, communications, management review
18:00	Top management interview – Role Play audit
	Close day 2

Day 3 (May 10, 2017)

Time	Topic
8:30 Morning Break	Welcome back and any questions from Day 2
	Energy review
	Role Play audit
	Energy baseline and energy performance indicators
	Role Play audit
	Energy Objectives, targets and action plans
Lunch	Nonconformities, correction, corrective action and preventive action
	Continual improvement
	Role Play audit
Afternoon break	Monitoring, measurement and analysis
	Internal Audit
	Legal requirements and other requirements
	Evaluation of compliance
18:00	Role Play audit
	Close day 3

Day 4 (May 11, 2017)

Time	Topic
8:30	Welcome back and any questions from Day 3



Morning Break	Design, procurement, operational control, C.T.A
	Role Play audit
Lunch	Identify and define nonconformities and determine root cause of nonconformities
	Prepare audit conclusions
	Conduct a closing meeting
Afternoon break	Start preparations an audit report - Homework
	Conduct audit follow up
18:00	Sample Exam
	Close day 4

Day 5 (May 12, 2017)

Time	Topic
8:00	Receive homework – audit report from student
	The certification and accreditation process, the role of IRCA, the IRCA ENMS auditor certification requirements and code of conduct
	Final questions/final revision
	Evaluation
	Introduction/readiness to the exam
10:15	Exam
12:15	End of Course

One 15-minute break will be taken at suitably convenient times in the morning and afternoon. Lunch break will be 45 minutes precisely.



Profile of Trainer

Strengths

- Energy Management & Audit
- Chemical Process Operations, QC & Utilities Management .
- Environmental Management
- Water Treatment, Steam & Power and Power Plant Operation.
- QMS, EMS, EnMS, OHSAS , SA 8000, IMS, Asset Management □Teaching and Education.

Summary of Experience

- 34 + years of work experience in Power Generation & Heavy Chemical Industry.
- 15 + years in Certification & Training. Most of the Segments. □ IMS Systems development ,implementation and certification
- Conducted over 350+ courses and 1500+ Audits
- Training conducted in Kuwait, Turkey, Qatar, Coke India & Africa, UAE, Thailand & Vietnam, Nepal & Maldives.
- British Safety Sword Of Honour.
- Tutor HSE/QE Legislations.

Industry Expertise

- Power Generation & Energy
- Chemicals & Food (Sugar)
- Oil, Gas, Petrochemicals
- Engineering and Auto Sector.
- Universities and Education .
- Utilities & QC Laboratories.

Clients Served

- BHEL, IOCL, TATA, FIAT, HLL, MAHINDRA & MAHINDRA.
- Delhi International Airport
- Maldives International Airport.
- Amity University.
- Degremont India Ltd.
- Kuwait Petroleum Corporation
- Delhi Metro Rail Corporation.
- Coca Cola , PLL LIMAC(Turkey)
- Degremont India Ltd.
- Hero Honda Ltd /Now HeroMotocorp / GVDP
- Vedanta Aluminium Limited.

Mr. Ashok Kapur - Lead Tutor and Assessor



General Overview

Ashok Kapur specializes in Energy, Environmental, Quality, OHSAS, Asset Management (ISO 55001:2014) & SA 8000 training, and auditing. He has over 34 years of Industrial experience in Large Chemical Industries, Research and Test Labs, Power Generation & Distribution, Energy Management, Environmental Pollution Control, Legal Compliance Management and Design of Water / Waste Treatment Systems. Currently engaged as Tutor And Assessor in EMS, EnMS and OHSAS, PAS 99, ISO 55001 : 2014 (Asset Management System) and related Legal requirements.

Involved in to system developments and implementation since 1993 including SA 8000.

He is Trainer and Lead Assessor for over 16 years and has participated in different Energy Management, Quality, Environment and OHSAS Management and Integrated Management System from the implementation to internal audit reaching to assisting in the certification audit. He has participated in the establishing, implementing and Certification of above referred systems conducting internal audits from the Planning, executing and reporting, helping different clients to reach and pass certification audits by implementing the requirements. Solution Sales to Mahindra, DIAL, FIAT, DMRC, KNPC etc.

He is OHSAS expert with UNIDO AND Energy, Environmental and OHSAS Specialist in BSI.



Continued

Work Experience Highlights

Qualifications

- BSc, BE, MIE (I), Chartered Engineer. Qualified Safety Professional
- BSI Certified Tutor , Assessor and Energy System Expert.
- Life Member National Safety Council of India.
- IRCA & IEMA Lead Tutor & Assessor For QMS, EMS, EnMS & OHSAS. PAS 99 IMS
- Assessor & Tutor ISO 55001 : 2014 Asset Management System
- Sustainability & GRI G4

- OHSAS (Occupational Health & safety Expert) with UNIDO.
- Founder of Institute for Industrial Management for Safety, Health and Environment in Bhopal. Founder of Energy Management System Project in BSI.
- Over 34 years industrial experience in Power Plant, Chemical Plant, Construction &
- Erection Projects and Utility O&M, Test Labs, STP, ETP and Engineering Operations, Legal Compliances. WTP & ETP Designs.
- Energy Audits, Safety Audits, Environmental Audits and System Audits.
- Training and Support Services. QMS, EMS, OHSAS, EnMS, Asset Management (ISO 55001 : 2014).
 - Development of BSI & DNV Trainers and Auditors
 - Environment and Energy Management. Green Design, Supply & Procurement Concepts. Vendor Development and Management.

