

Report on Calibration Programme of ESM – 2008
(July 11, 2008 from 2:00 PM to 7:00 PM)

ECM is making consistent strides in the direction of transforming the concept of ESM Certification into a reality.

Since inauguration of **Energy Smart Model for Organizations (ESM) – 2008**, on February 16, 2008 by **Dr. Ajay Mathur**, Director General of the **Bureau of Energy Efficiency**, Ministry of Power. Government of India New Delhi at **CII-Sohrabji Godrej Green Business Centre**, Hyderabad, first Training Programme on the Model was organized on April 18 & 19, 2008. Eighteen Participants from all over India were trained enough to implement Energy Smart concepts in their respective Organizations.

With a view to carry out Model certifications of three to four Organizations, to begin with, a **“Calibration Programme”** was organized on July 11, 2008 in the **Committee Room of Visvesvaraya Bhavan**. Eighteen participants comprising Quality & Management Specialist, Energy Auditors, Representatives of **M/s HBL Systems**, **ECM Members and Technical Resource Head of Det Norske Veritas As (DNV)** interacted intensively and tuned their understandings of the Model to the correct frequencies of ESM – 2008. **DNV** Representative did an excellent job to provide critical inputs and give a practical shape to the further process.

The **Deputy General Manager** of **HBL** was requested to furnish the **“Position Report”** in line with the Provisions of the Model to enable ECM to carryout the first pioneering certification of their factory situated at Nandigaon, Mahoobnagar Dist A.P.

The First **ESM – 2008 Certification** of HBL would be administered by the following Team, hopefully, before the **National Energy Conservation Week** in December, 2008.

1. **Er. S.K. Verma, Quality & Management Specialist.**
2. **Er. N. Srinivasa Rao, Technical Resource Head DNV.**
3. **Er. G.K. Anand, Certified Energy Auditor, ECM.**
4. **Er. S.R.Varma, „ „ „**
5. **Er. K.V. Murthy, Lead Assessor, ISO – 9000 / 14000 & Certified Energy Auditor, ECM.**

Salient points emerged out of the Calibration Programme are furnished below in the Minutes of Meeting.

MINUTES OF MEETING OF ESM - 2008 CALIBRATION PROGRAMME HELD ON July 11, 2008.

Following were the main points discussed in the meeting:

MR. N. SRINIVAS RAO, Technical Resource Head, DNV:

1. Basis of assessment should be uniform for all assessors
2. Competency of assessor should be there for different types of Industries
(**Mr. S.K.VERMA, Quality & Management Specialist**, suggested that a specialist in particular field can be called during assessment, if required).
3. Application format for the award should be finalized.
4. Training Programme for the auditors should be arranged.

He suggested the following Programme and time-frame for the certification procedure.

- | | | |
|---|---|---------------------|
| 1. Review of Information (position report) | - | 1 or 2 Mandays. |
| 2. On-site assessment (Audit) | - | 9 Mandays. |
| 3. Review of Audit Report and Certification Decision. | - | 1 day. |
| 4. Issue of Certificate | - | As per convenience. |

MR. S.K.VERMA:

1. Certification should be done by minimum 3 Auditors to reach consensus for awarding the marks.
2. Position Report should be given by the concerned industry before detailed audit can be taken up.
3. Following **RATING** system was suggested by him.

ENABLERS:

1.1.1 ENERGY MANAGEMENT POLICY	-	20 Points
1.1.2 MANAGEMENT COMMITMENT	-	30 Points
1.1.3 MANAGEMENT COMMUNICATION	-	30 Points
1.1.4 INCORPORATION IN OBJECTIVES	-	20 Points
1.2.1 ENERGY SMART OBJECTIVES	-	20 Points
1.2.2 ENRGY SMART PLANNING	-	20 Points
1.2.3 INTERNAL COMMUNICATION	-	10 Points
1.2.B ENERGY SMART SYSTEM REVIEW-		50 Points
1.3 MONITORING AND MEASUREMENTS-		8X10 +1X20 =100
Points		
1.4.1 ORGN. SET UP FOR ENERGY CON.	-	10 Points
1.4.2 PROVISION OF RESOURCES	-	20 Points
1.4.3 PROVISION OF INFRASTRUCTURE	-	20 Points
1.5.1 HR PROCESS	-	25 Points
1.5.2 ENGINEERING PROCESS	-	25 Points
1.5.3 PURCHASING PROCESS	-	25 Points
1.5.4 PRODUCTION PROCESS	-	50 Points
1.5.5 OTHER ORGN. PROCESSES	-	25 Points

RESULTS:

2.1	REDUCTION IN SEC	-	150 Points
2.2	RESOURCE OPTIMISATION	-	100 Points
2.3	WASTE MINIMISATION	-	100 Points
2.4	REDUCTION IN POLLUTION	-	50 Points
2.5	GREEN SUPPLY CHAIN	-	50 Points
2.6	USE OF NON-CONVENTIONAL ENERGY-	-	50 Points

Awareness Programme should be conducted before start of ESM audit

Divide the marks equally for deployment and approach.

ECM should conduct one week course for **LEAD Auditors**

First assessment for award should be made by **ECM AND DNV**

Publicity Programme for the standard should be done:

First audit will be taken up at **M/s HBL** Nandigaon after receipt of position report from them. **Mr. Bala Satyanarayana**, Sr. Deputy General Manager of **HBL** assured of sending the position report within one week. He also agreed to send free transport *as* required by the Audit team for visit to the factory site.

The First Certification would be administered by the following Members in a Team.

- 1. Mr. S.K. Verma, Quality & Management Specialist.**
- 2. Mr. N. Srinivas Rao, Technical Resource Head, DNV.**
- 3. Mr. G.K. Anand, Certified Energy Auditor ECM.**
- 4. Mr. S.R. Varma, Certified Energy Auditor ECM.**
- 5. Mr. K.V. Murthy, Lead Assessor ISO 9000 / 14000 and Certified Energy Auditor ECM.**