

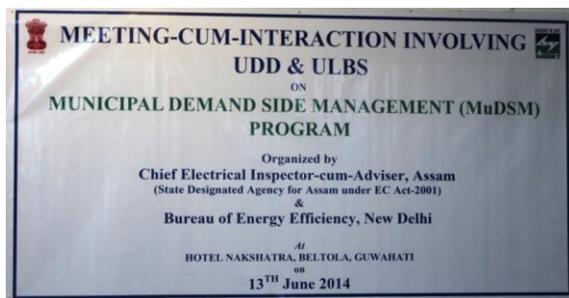
## **“Meeting -cum- Interaction on Municipal Demand Side Management (MuDSM)”**

**Supported by: Bureau of Energy Efficiency**

**Organised by: Chief Electrical Inspector -cum- Adviser,  
Government of Assam.**

*The basic objective of the Municipal Demand Side Management (MuDSM) programme is to improve overall energy efficiency of the Urban Local Bodies (ULBs) which could lead to substantial savings in the electricity consumption, thereby resulting in cost reduction and energy savings.*

A Meeting -cum- Interaction on Municipal Demand Side Management (MuDSM) was held on 13<sup>th</sup> June 2014 (Friday) at Nakshatra Hotel, Guwahati organised by Chief Electrical Inspector -cum- Adviser & State Designated Agency under the Energy Conservation Act 2001 for the State of



Assam under financial support received from Bureau of Energy Efficiency (BEE), Ministry of Power, New Delhi. The objective of the seminar is to improve the overall energy efficiency of the ULBs, leading to energy and cost reductions in all the three energy intensive areas namely Water Pumping, Street lighting and Municipal Buildings. The seminar has also presented brief ideas on the detailed study of intended segment, creation of database, quantification of energy losses including identification of Energy Conservation Measures (ECMs) in a cost effective manner. The other objective of this seminar was also to interact among State Designated Agency, Bureau of Energy Efficiency and Urban Local Bodies for better understanding of the benefits and opportunities of DSM project for which baseline Energy Audit has been conducted by Petroleum Conservation Research Association (PCRA), an organization under the Ministry of Petroleum & Natural Gas at 8 ULBs' of Assam. Approx. 30 participants from different ULBs', PWD, APDCL, BEE, PCRA and SDA Assam have exchanged their views on that gathering.

The program started with Inaugural session where Shri Surajit Barooa, Chief Electrical Inspector-Cum-Adviser welcomed the guests and participants. One minutes silence was observed to mark respect to Khagen Mahanta, an eminent folk singer/ artist of Assam who passed away on 12th June 2014. Dr. U.N. Bora. IAS, Secretary UDD, Assam, Mr. Milind Deore, Energy Economist – BEE and Mr. P.K. Roychoudhury, Director & Chief Regional Coordinator,





PCRA- ER, Kolkata were the dignitaries attended the inaugural session. Mr. Milind Deore, in his inaugural Speech had described the wide-ranging benefits of the DSM Projects and the responsibilities of ULBs', BEE and Assam State Designated Agency (ASDA). He had also requested to the ULBs' to come up with different proposal on Energy Efficiency to ASDA and BEE for getting technical and financial assistance.

Dr. U.N. Bora, IAS, Secretary UDD, Assam in his address explained the necessity of the DSM project not only for ULBs' benefit, but also for National and Global responsibilities by bringing down Carbon-di-oxide Gas emission. The importances of Carbon Credits, Star rating products, had been highlighted through his precious address. He also pointed out his general observation on Street Lighting System and Pumping System where he expressed concern over poor management of street lighting system.



Intricately he explained how ULBs' can optimize the burning hour of the street lights to get substantial savings in terms of energy and cost. He was thankful to ASDA, PCRA and BEE for adopting such initiative within the ULBs' to reduce energy consumption aiming fulfilment of National as well as Global responsibilities.



Mr. P.K. Roychoudhury had given an overview on the savings potential in the ULBs'. He has acknowledged that DPRs had been prepared 3 years back. At that time, several savings potential had not been incorporated in the report due to very low Internal Rate of Return (IRR). But now a day, the price of Energy Efficient equipments goes down which may enhance the Project IRR. He had also recommended revalidating the Energy Audit reports before implementation prepared for the ULBs'.

Mr. N. Huda, Dy. CEIA, Assam presented the Vote of Thanks and concluded the Inaugural Session to start the Technical Session.



The Technical Session started with Mr. Milind Deore providing some key points on the objective and benefit of MuDSM projects. He had also requested to the ULBs' to give attention to the implementation of Energy Conservation measures with the guidance of ASDA and BEE. During his presentation he has mentioned the overview of urbanization, Energy requirement, MuDSM project, DPRs details, major barrier & lesson learnt from MuDSM XIth plan. He has also brought up a brief idea to improve the objective; activities of different pilot projects to fulfil the responsibilities during XII plan by

- ✦ Realizing the energy saving through implementation of selective DPRs in few ULBs ,
- ✦ Facilitation to other ULBs to replicate the implementation process through knowledge transfer,
- ✦ To build the technical and managerial capacity of the energy conservation cell of ULBs,
- ✦ Involving various stakeholders to create a market transformation in energy efficiency,
- ✦ Initiating new energy conservation areas where municipalities/state will be benefited.
- ✦ Facilitating State Urban Development Departments to create institutional arrangements through which projects can be implemented in ESCO mode etc.

Mr. Debasis Dutta, Jt. Director & Certified Energy Auditor, PCRA had pointed out that currently 277 MW of power is deficit in Assam while presenting the power sector scenario of the State. He has mentioned the savings potential, investment & payback period of each identified ECMS' for 8 ULBs' (Building, Pumping System and Street Light) including project IRR through direct and ESCOs' mode. He has figured out that 948095.06 KWh i.e. equivalent to 43.26 Lacks rupees can be saved if all ULBs' would have implemented the specified ECMS'.

Mr. Aashish Sarma from EESL, in his presentation, had revealed the methodology for energy efficiency in ULBs'. He mentioned the salient features & energy saving potential of ULBs'. He represented different standards of street lighting system as well as their performance, benefits with cost & control mechanism. He briefed some examples of street lighting projects that have been conducted by EESL at different part of India namely Kolkata, Nagpur, Ludhiana, Faridabad, Hyderabad, Bikaner and Thichur. He also pointed out the role of EESL for implementing such project along with issues & challenges, methodology, demonstration & specification, financial model, payment security mechanism for energy efficient street lighting projects including photographs of the roads before & after implementation of those projects.

Mr. Nilanjan Bose, Consultant, ASDA has given the Vote of Thanks for the Technical Session and requested the ULBs' to participate in the initiative framed by Bureau of Energy Efficiency aiming Energy Efficient Green ULB.

Some Photographs of the meeting:

