

WORKSHOAP ON SOLAR WATER HEATING SYSTEM, ENERGY EFFICIENCY & ENERGEY CONSERVATION

A one day workshop on “Solar Water Heating System, Energy Efficiency and energy Conservation” was organized on 10th April’2012 at Hotel Tsepal Yangjom, Bomdila by Arunachal Pradesh Energy Development Agency (APEDA), Bomdila Division, Bomdila, West Kameng District, A.P.. The workshop which was sponsored by Ministry of New and Renewable Energy Sources (MNES) with courtsy from Bureau of Energy Efficiency GOI was attended by HODs Officers, Officials, Local Leaders and some select young students. The workshop began with an wel-come address by the Project Officer, APEDA, Bomdila who told the participants that owing to some obvious reasons the letters of intimations of the workshop has to be served just one day before the workshop date as such the turn up of the participants was not upto the expectations of the workshop organizers yet it was an encouraging one. This was followed by explanation in brief about the aims and objectives of the workshop by the Deputy Director, APEDA, Bomdila Division which he told was first of its kind on the subject matter to be organized at Bomdila as an energy awareness and sensitization programme on conservation. He briefed about the importance of such workshop to bring about awareness on energy conservation to meet the rapid rise in energy demands of the people.

The technical session of the workshop was conducted with Power point presentation on the main topic by Er. S.K. Shahi, Project Officer, APEDA Itanagar as an invited expert for the one day workshop at Bomdila. Touching upon various aspects of importance and essence of energy to human existence of today’s, world and its conservational imperatives, he said that the growing needs of the energy could be met by meeting optimum use of the resources and this can be done by convergence and contraction within the resources available in the earth. He said that the actual requirement of energy today is of 2(two) earths which is not possible for us. Hence, there is need to make optimal use of resources in our single planet, the earth and for that building of energy awareness on conservation too is important for all of us. In the same session, he has also elaborated about the effects of the global warming and green house quoting the examples how the glaciers in the Himalayas are melting and how a glacier in South America has melted and become a barren rocky land. This is because the green house gases increases temperatures and effects the flora and fauna of the earth. It has been seen that as a result of global warming, the polar bears are shrinking and have become an endangered animal, the sea fishes are likely to the reduced to lesser numbers, there would be more hurricanes which is destructive to human lives and properties, the life expectancy of the people would be just 35 years after 2070 if the effects of global warming went on the present thrend, the water will be more precious than gold and diamond, the people will fight for water with guns and they will be bound to take just half a glass of water per day. The worst effect in coming generations would be to our progenies for our today’s faults. Hence, there is need for conservation of energy and has given few tips as to how to conserve energy to meet the energy requirements especially in urban are as shown below :-

Switch off light, TV, Fan, refrigerator, computer, etc when not require; use star electrical appliances; use maximum use of natural day lights; use electronic Ballasts and T5 Fluorescent lamps; use electronic fan regulators; make optimum use of tape water to minimize power (Electricity) consumption and water wastages; use battery operated cars for economic fuel expenses and consumptions; cycling-for economy, Pollution reduction, etc; follow 3 rs – Reduce, Re-use and Recycle; plant trees to reduce Global warming; always try for energy modesty for no energy wastages.

The workshop which also elaborated about water heating systems and its beneficial, video- audio presentations of clapping recordings ended with a vote of thanks by the Deputy Director, APEDA, Bomdila Division Bomdila.