

Report of

02 days National Seminar on

Solar Photovoltaic Power Plants and Reactive Power Management

As per approved note ,NPTI NER conducted the 02 days National Seminar on “Solar Photovoltaic Power Plants and Reactive Power Management” at Radisson Blu Hotel, Guwahati on 3rd and 4th December 2018.

This seminar was sponsored (silver sponsorship) by PGCIL , Shillong . Inaugural function of same was held on 3rd Dec 2018 at 10 am . Dr.D.R.Das , Advisor MNRE /NISE was the Chief Guest of function . Dr.Arup Misra , Director Assam Energy Development Agency (Govt of Assam) , Sr.Rajat Sarma E.D. Renewable NEEPCO Shillong and Mrs.Darshana Borah ACS, Asst. Mission Director,Assam Skill Development Mission (Govt of Assam) & Deputy Commissioner of Kamrup District were other dignitaries who graced the occasion.

Considering the geographical feature of North East, the speakers stressed on the need of having rooftop and small capacity decentralised plants rather than going for big solar farms. Mrs.D.Borah stressed the need of intensive skill development activities for solar and assured NPTINER that new courses will be allotted to NPTI after need analysis .

The participants from PGCIL, NERLDC Shillong , NRL , NEEPCO ,Himachal Power Corporation, AERC attended the seminar. There were special invitees from ISRO NESAC AEGCL, PGCIL,APDCL, Physics Department IIT Guwahati and Cotton College university Guwahati ,Arya Vidyapeeth Guwahati CEA Delhi . Total 30 participants attended the event.

The following deliberations were made by eminent Experts faculty

Solar PV Technology Review – by Energy Dept.Tezpur University

CEA and Solar PV strategy by Deputy Director CEA,

NISE and implementations of various Solar Technologies by NISE

Solar Power Regulations – by AERC

Numerical Weather Forecasting Techniques by Cotton College University (former Director IMD Pune)

Storage Batteries –Technology by IIG Guwahati

EV and its future by IIT Guwahati

Solar PV O&M of Big plants – HVF Solar Technologies Noida

REMC functions and applications , Energy Storage technologies, Reactive power Management and Grid Integration Issues – by Sh.Pentayya former ED WRLDC .

The various issues regarding net meters , Solar Feed in Tariff , O&M issues after 5 years running of plant , REMC functioning , Numerical Weather prediction were raised during the Seminar.

It was suggested that NPTINER may take a lead to begin with establishing weather forecasting facilities for NE region (in consultation with NESAC, IIT Guwahati , POSOCO etc) followed by REMC centre in future when RE penetration will be high in NE region.

Photos attached ...below



On the Dias Sh.S.V.Malpe Principal Director NPTINER , Dr.A.Misra Director AEDA, Dr.D.Das Advisor NISE , Sh.Rajat Sarma E.D. Renewable NEEPCO, Mrs.D.Borah OSD ASDM.





