

A REPORT ON

Solar Awareness Training Programme on Micro & Mini Grids

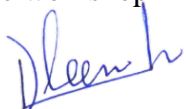
In view of promoting Renewable Energy & to make a special section of people including final year students, unemployed youths, progressive farmers, entrepreneurs aware on Solar/Renewable Energy this program has been organised by Department of Energy, Tezpur University under National Institute of Solar Energy (NISE) & Assam Energy Development Agency (AEDA). Participants from various institutions including GIMT, Darrang College & Tezpur University attended the training session.

1. Name of the Activity: Micro & Mini Grids
2. Duration: 17/02/2017 to 19/02/2017
3. No of participant registered: 35

The program includes a series of presentations followed by laboratory & field visit by respective resource persons as mentioned in the schedule. Topics covered under this session are as follows:

1. Application of RE to meet energy needs in rural areas
2. Availability of New & Renewable Sources
3. Solar Photo Voltaic Power Systems
4. Grid Connected PV Systems & Inverters
5. Challenges in developing grid connected systems
6. Energy Metering in Grid Connected Systems
7. Various Government Schemes on Grid Connected Solar Plants
8. Site Selection Mini Micro grid and Design Aspects
9. Interactive Sessions with Local Discoms
10. Options for finances from Banks, Loans, etc
11. Entrepreneur Skills and Soft Skills

The participants were awarded with certificate of participation in conclusion of the workshop by convenor.


Head
Department of Energy
Tezpur University



Awareness Training Programme on Renewable Energy Technology
(A programme supported by National Institute of Solar Energy)

17-19 February 2017

Training IV
Micro & Mini Grids
Programme Schedule



Day and Date	Time	Programme/Topic	Resource person
17 February, Fri Day	09:00 am – 10:30 am	Registration and inauguration	-
	10:30 am – 11:30 am	Application of RE to meet energy needs in rural areas	Dr. D. C. Baruah
	11:30 am – 12:30 pm	Availability of New & Renewable Sources	Dr. Sadhan Mahapatra
	12:30 pm – 1:30 pm	Solar Photo Voltaic Power Systems	Dr. Nabin Sarmah
	1:30 pm – 2:30 pm	Lunch	-
	2:30 pm – 3:30 pm	Laboratory and field visit	Honey Brahma/Barkhang Brahma/ Biswajit Gogoi
18 February, Saturday	4:30 pm–5:00 pm	Wrapping up and reporting of the day	-
	10:30 am – 11:30 am	Grid Connected PV Systems & Inverters	Dr. NabinSarmah
	11:30 am – 12:30 pm	Challenges in developing grid connected systems	Prof. D. C. Baruah
	12:30 pm – 1:30 pm	Energy Metering in Grid Connected Systems	Dr. Sadhan Mahapatra
	1:30 pm – 2:30 pm	Lunch	-
	2:30 pm – 3:30 pm	Laboratory and field visit	Honey Brahma/Barkhang Brahma/ Biswajit Gogoi
19 February, Sunday	4:30 pm – 5:00 pm	Wrapping up and reporting of the day	-
	10:30 am – 11:30 am	Various Government Schemes on Grid Connected Solar Plants	Dr. Nabin Sarmah
	11:30 am – 12:30 pm	Site Selection Mini Micro grid and Design Aspects	Prof. D. C. Baruah
	12:30 pm – 1:30 pm	Interactive Sessions with Local Discoms	Dr. Sadhan Mahapatra
	1:30 pm – 2:30 pm	Lunch	-
	2:30 pm – 3:30 pm	Laboratory and field visit	Honey Brahma/Barkhang Brahma/ Biswajit Gogoi
	4:30 pm – 5:00 pm	Wrapping up and reporting of the day	-
	5:00 pm – 5:30 pm	Valedictory function	-

- Working Tea to be served every day at 11:00am and 3:30 pm

D C Baruah
Head
Department of Energy
Tezpur University

(D C Baruah) 16-01-2017



Awareness Training Programme on Renewable Energy Technology

(A Programme supported by National Institute of Solar Energy)



Registration Form

Programme (Tick any of your choice)	Duration
Energy Access using Renewable Energy Technology	January 23-25, 2017
Rural village Electrification	February 3-5, 2017
Off Grid Solar Technologies	February 10-12, 2017
Micro and Mini Grids	February 17-19, 2017

1. Name (Block Letters):

2. Male/Female:

Date of Birth:

Photograph

3. Designation/Professional/Student:

4. Organization/Institute:

5. Roll No/Dept./ Programme (in case of a student):

6. Recommendation from the HoD (in case of a student):


7. Address for communication:

8. Telephone / Mobile no:

9. Email id:

10. Work experiences or idea in Solar Energy/Wind Energy/Biomass Energy/Wind Energy (Provide details) if any:

Date


Head
Department of Energy
Tezpur University

Signature

Address for Communication

Debendra Chandra Baruah

Professor, Department of Energy, Tezpur University

Phone: 03712 267275307; Fax: 03712 267005

Mobile: 9435508563 / 8399953829

Registration of the participants for the Awareness Training on Micro and Mini Grids, February 17-19, 2017 conducted by Department of Energy, Tezpur University, Assam.

Sl. No.	Name of the participants	Organization	Signature
1	Ritam Jha	Darrang College	Ritam Jha
2	Roshan Kumar Sah	Darrang College	Roshan Kumar Sah
3	Kalyan Jyoti Bhattacharyya	Darrang College	Kalyan Bhattacharyya
4	Akash Kumar Thakur	Darrang College	Akash Kumar Thakur
5	Dipankar Das	GIMT, Guwahati	Dipankar Das
6	Soumen Rakshit	GIMT, Guwahati	Soumen Rakshit
7	Dipankar Mazumder	GIMT, Guwahati	Dipankar
8	Dipankar Das	GIMT, Guwahati	Dipankar
9	Janardan Sensua	Tezpur University	Janardan Sensua
10	Sweety Gogoi	Tezpur University	Sweety
11	Smita Barooah	Tezpur University	Smita
12	Kawshik Fambo	Tezpur University	Kawshik Fambo
13	Antareep Das	Tezpur University	Antareep Das
14	Pranjal Pratim Das	Tezpur University	Pranjal Pratim Das
15	Avinash Kumar Jha	Tezpur University	Avinash Kumar Jha
16	Kallol Saikia Kashyap	Tezpur University	Kallol Saikia Kashyap
17	Biswajit Biswas	Tezpur University	Biswajit Biswas
18	Deepak Rathore	Tezpur University	Deepak
19	Asad Barbuiya	GIMT, Guwahati	Asad Barbuiya
20	Abdul Qaium	GIMT, Guwahati	
21	Ankur Paul	GIMT, Guwahati	Ankur Paul
22	Shah Ikramul Alam	GIMT, Guwahati	Shah Ikramul Alam
23	Kangkan Bhutan	GIMT, Guwahati	Kangkan Bhutan
24	Debashree Kachari	GIMT, Tezpur	Debashree Kachari
25	Nibha Borah	GIMT, Tezpur	Nibha Borah
26	Debojit Das	GIMT, Tezpur	
27	Debasish Borah	GIMT, Tezpur	
28	Bitu Deuri	GIMT, Tezpur	
29	Mridu Mech	GIMT, Tezpur	
30	Rajat Shubro Bose	Tezpur University	Rajat Shubro Bose
31	Sudeshna Gupta	Tezpur University	Sudeshna Gupta
32	Digaru Sonowal	Tezpur University	Digaru Sonowal
33	Pooja Dasgupta	Tezpur University	Pooja Dasgupta

34. Abul Abbas Barbhuiya Tezpur University

35. Pulakeswar Basumatary Tezpur University

Heba
Department of Energy
Tezpur University

Attendance of Awareness Training on "Micro and Mini Grids"
17 February, 2017, Department of Energy, Tezpur University

Sl. No.	Name of the participants	Organization	Signature	
			Morning	Afternoon
1	Ritam Jha	Darrang College	Ritam Jha	Ritam Jha
2	Roshan Kumar Sah	Darrang College	Roshan K. Sah	Roshan K. Sah
3	Kalyan Jyoti Bhattacharyya	Darrang College	K. Bhattacharyya	K. Bhattacharyya
4	Akash Kumar Thakur	Darrang College	Akash Kumar	Akash Kumar
5	Dipankar Das	GIMT, Guwahati	D. Das	D. Das
6	Soumen Rakshit	GIMT, Guwahati	Soumen Rakshit	Soumen Rakshit
7	Dipankar Mazumder	GIMT, Guwahati	Dipankar	Dipankar
8	Dipankar Das	GIMT, Guwahati	Dipankar Das	Dipankar Das
9	Janardan Sensua	Tezpur University	Janardan	Janardan
10	Sweety Gogoi	Tezpur University	S. Gogoi	S. Gogoi
11	Smita Barooah	Tezpur University	S. Barooah	S. Barooah
12	Kawshik Fambo	Tezpur University	Kawshik f.	Kawshik f.
13	Antareep Das	Tezpur University	Antareep Das	Antareep Das
14	Pranjal Pratim Das	Tezpur University	Pranjal P. Das	Pranjal P. Das
15	Avinash Kumar Jha	Tezpur University	Avinash Kumar Jha	Avinash Kumar Jha
16	Kallol Saikia Kashyap	Tezpur University	Kallol S. Kashyap	Kallol S. Kashyap
17	Biswajit Biswas	Tezpur University	Biswajit	Biswajit
18	Deepak Rathore	Tezpur University	Deepak	Deepak
19	Asad Barbuiya	GIMT, Guwahati	Asad Barbuiya	Asad Barbuiya
20	Abdul Qaim	GIMT, Guwahati		
21	Ankur Paul	GIMT, Guwahati	Ankur Paul	Ankur Paul
22	Shah Ikramul Alam	GIMT, Guwahati	Shah Ikramul Alam	Shah Ikramul Alam
23	Kangkan Bhutan	GIMT, Guwahati	Kangkan Bhutan	Kangkan Bhutan
24	Debashree Kachari	GIMT, Tezpur	Debashree Kachari	Debashree Kachari
25	Nibha Borah	GIMT, Tezpur	Nibha Borah	Nibha Borah
26	Debojit Das	GIMT, Tezpur		
27	Debasish Borah	GIMT, Tezpur		
28	Bitu Deuri	GIMT, Tezpur		
29	Mridu Mech	GIMT, Tezpur		
30	Rajat Shubro Bose	Tezpur University	Rajat	Rajat
31	Sudeshna Gupta	Tezpur University	S. Gupta	S. Gupta
32	Digaru Sonowal	Tezpur University	Digaru	Digaru
33	Pooja Dasgupta	Tezpur University	Pooja Dasgupta	Pooja Dasgupta
34	Abul Abban Borbhuiya	Tezpur University	Abul	Abul
35	Pulakeswar Basumatary	Tezpur University	Pulakeswar	Pulakeswar

Attendance of Awareness Training on "Micro and Mini Grids"
18 February, 2017, Department of Energy, Tezpur University.

Sl. No.	Name of the participants	Organization	Signature	
			Morning 10:45 am	Afternoon
1	Ritam Jha	Darrang College	Ritam Jha	Ritam Jha
2	Roshan Kumar Sah	Darrang College	Roshan Kumar Sah	Roshan Kumar Sah
3	Kalyan Jyoti Bhattacharyya	Darrang College	K. Bhattacharyya	K. Bhattacharyya
4	Akash Kumar Thakur	Darrang College	Akash Kumar Thakur	Akash Kumar Thakur
5	Dipankar Das	GIMT, Guwahati	Dipankar Das	Dipankar Das
6	Soumen Rakshit	GIMT, Guwahati	Soumen Rakshit	Soumen Rakshit
7	Dipankar Mazumder	GIMT, Guwahati	Dipankar Mazumder	Dipankar Mazumder
8	Dipankar Das	GIMT, Guwahati	D. Das	D. Das
9	Janardan Sensusa	Tezpur University	Janardan Sensusa	Janardan Sensusa
10	Sweety Gogoi	Tezpur University	Sweety Gogoi	Sweety Gogoi
11	Smita Barooah	Tezpur University	Smita Barooah	Smita Barooah
12	Kawshik Fambo	Tezpur University	Kawshik Fambo	Kawshik Fambo
13	Antareep Das	Tezpur University	Antareep Das	Antareep Das
14	Pranjal Pratim Das	Tezpur University	Pranjal Pratim Das	Pranjal Pratim Das
15	Avinash Kumar Jha	Tezpur University	Avinash Kumar Jha	Avinash Kumar Jha
16	Kallol Saikia Kashyap	Tezpur University	K.S.K.	K.S.K.
17	Biswajit Biswas	Tezpur University	Biswajit Biswas	Biswajit Biswas
18	Deepak Rathore	Tezpur University	Deepak Rathore	Deepak Rathore
19	Asad Barbhuiya	GIMT, Guwahati	Asad Barbhuiya	Asad Barbhuiya
20	Ankur Paul	GIMT, Guwahati	Ankur Paul	Ankur Paul
21	Shah Ikramul Alam	GIMT, Guwahati	Shah Ikramul Alam	Shah Ikramul Alam
22	Kangkan Bhuyan	GIMT, Guwahati	Kangkan Bhuyan	Kangkan Bhuyan
23	Debashree Kachari	GIMT, Tezpur	Debashree Kachari	Debashree Kachari
24	Nibha Borah	GIMT, Tezpur	Nibha Borah	Nibha Borah
25	Debojit Das	GIMT, Tezpur		
26	Debasish Borah	GIMT, Tezpur		
27	Bitu Deuri	GIMT, Tezpur		
28	Mridu Mech	GIMT, Tezpur		
29	Rajat Shubro Bose	Tezpur University	Rajat Shubro Bose	Rajat Shubro Bose
30	Sudeshna Gupta	Tezpur University	Sudeshna Gupta	Sudeshna Gupta
31	Digaru Sonowal	Tezpur University	Digaru Sonowal	Digaru Sonowal
32	Pooja Dasgupta	Tezpur University	Pooja Dasgupta	Pooja Dasgupta
33	Pulakeswar Basumatary	Tezpur University	Pulakeswar Basumatary	Pulakeswar Basumatary
34	Abul Abbas Barbhuiya	Tezpur University	Abul Abbas Barbhuiya	Abul Abbas Barbhuiya

Dileen h
Head
Department of Energy
Tezpur University

[Signature]

Attendance of Awareness Training on "Micro and Mini Grids"
19 February, 2017, Department of Energy, Tezpur University

Sl. No.	Name of the participants	Organization	Signature	
			Morning	Afternoon
1	Ritam Jha	Darrang College	<i>Ritam Jha</i>	<i>Ritam Jha</i>
2	Roshan Kumar Sah	Darrang College	<i>Roshan K. Sah</i>	<i>Roshan K. Sah</i>
3	Kalyan Jyoti Bhattacharyya	Darrang College	<i>K. Bhattacharyya</i>	<i>K. Bhattacharyya</i>
4	Akash Kumar Thakur	Darrang College	<i>Akash Kumar</i>	<i>Akash Kumar</i>
5	Dipankar Das	GIMT, Guwahati	<i>Dipankar Das</i>	<i>D Das</i>
6	Soumen Rakshit	GIMT, Guwahati	<i>Soumen Rakshit</i>	<i>Soumen Rakshit</i>
7	Dipankar Mazumder	GIMT, Guwahati	<i>Dipankar Mazumder</i>	<i>Dipankar Mazumder</i>
8	Dipankar Das	GIMT, Guwahati	<i>Dipankar Das</i>	<i>D Das</i>
9	Janardan Sensua	Tezpur University	<i>Janardan Sensua</i>	<i>Janardan Sensua</i>
10	Sweety Gogoi	Tezpur University	<i>Sweety Gogoi</i>	<i>Sweety Gogoi</i>
11	Smita Barooah	Tezpur University	<i>Smita Barooah</i>	<i>Smita Barooah</i>
12	Kawshik Fambo	Tezpur University	<i>Kawshik F</i>	<i>Kawshik Fambo</i>
13	Antareep Das	Tezpur University	<i>Antareep Das</i>	<i>Antareep Das</i>
14	Pranjal Pratim Das	Tezpur University	<i>Pranjal Pratim Das</i>	<i>Pranjal Pratim Das</i>
15	Avinash Kumar Jha	Tezpur University	<i>Avinash Kumar Jha</i>	<i>Avinash Kumar Jha</i>
16	Kallol Saikia Kashyap	Tezpur University	<i>Kallol Saikia Kashyap</i>	<i>Kallol Saikia Kashyap</i>
17	Biswajit Biswas	Tezpur University	<i>Biswajit Biswas</i>	<i>Biswajit Biswas</i>
18	Deepak Rathore	Tezpur University	<i>Deepak Rathore</i>	<i>Deepak Rathore</i>
19	Asad Barbuiya	GIMT, Guwahati	<i>Asad Barbuiya</i>	<i>Asad Barbuiya</i>
20	Ankur Paul	GIMT, Guwahati	<i>Ankur Paul</i>	<i>Ankur Paul</i>
21	Shah Ikramul Alam	GIMT, Guwahati	<i>Shah Ikramul Alam</i>	<i>Shah Ikramul Alam</i>
22	Kangkan Bhuyan	GIMT, Guwahati	<i>Kangkan Bhuyan</i>	<i>Kangkan Bhuyan</i>
23	Debashree Kachari	GIMT, Tezpur	<i>Debashree Kachari</i>	<i>Debashree Kachari</i>
24	Nibha Borah	GIMT, Tezpur	<i>Nibha Borah</i>	<i>Nibha Borah</i>
25	Debojit Das	GIMT, Tezpur		
26	Debasish Borah	GIMT, Tezpur		
27	Bitu Deuri	GIMT, Tezpur		
28	Mridu Mech	GIMT, Tezpur		
29	Rajat Shubro Bose	Tezpur University	<i>Rajat Shubro Bose</i>	<i>Rajat Shubro Bose</i>
30	Sudeshna Gupta	Tezpur University	<i>Sudeshna Gupta</i>	<i>Sudeshna Gupta</i>
31	Digaru Sonowal	Tezpur University	<i>Digaru Sonowal</i>	<i>Digaru Sonowal</i>
32	✓ Pooja Dasgupta	Tezpur University	<i>Pooja Dasgupta</i>	<i>Pooja Dasgupta</i>
33	Pulakeswar Basumatary	Tezpur University	<i>Pulakeswar Basumatary</i>	<i>Pulakeswar Basumatary</i>
34	Abul Abbas Barbhuiya	Tezpur University	<i>Abul Abbas Barbhuiya</i>	<i>Abul Abbas Barbhuiya</i>

Dileen
Head
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DAI