



ANNUAL ADMINISTRATIVE REPORT

2022 - 2023



**DEPARTMENT OF NEW & RENEWABLE ENERGY
NAGALAND : KOHIMA**

INTRODUCTION

Today there is an increase in energy demand to fulfill the economic development plans that are being implemented and Renewable Energy resources have the ability to fulfill the world's energy demand, protect the environment and provide energy security. Thus, the Department of New & Renewable Energy, Nagaland was created in July, 2009 to generate energy from the renewable energy resources available and to cater the needs of the State.

The Department implements the Schemes and Programmes of the Ministry of New & Renewable Energy (MNRE), Government of India and the State Government. Some of the Programmes/Schemes implemented by the Department till date are Small Hydro Projects, Solar Power Plants, Solar Street Light, Solar Wind Hybrid System, Solar Study Lamps etc.

ADMINISTRATIVE SET UP**A. Secretariat Level:**

Sl. No.	Designation	Number of Post
1	Commissioner & Secretary	1
2	Joint Secretary	1
3	Deputy Secretary	1
4	Section Officer	1
5	Junior Section Officer	1
6	Secretariat Assistant	1
7	UDA	1
8	LDA	1
9	Steno	1
10	Peon	4
Total		13

ADMINISTRATIVE SET UP**B. Directorate Level:**

Sl. No.	Designation	Number of Post
1	Director	1
2	Additional Director	1
3	Joint Director	1
4	Deputy Director	4
5	Project Officer	6
6	Superintendent	1
7	Assistant Superintendent	1
8	Junior Engineer	10
9	U.D.A	3
10	Stenographer	4
11	Surveyor	2
12	L.D.A	10
13	Technician	4
14	Mason	4
15	Driver	5
16	Peon	4
17	Chowkidar	1
18	Sweeper	1
Total		63

ACTIVITIES OF THE DEPARTMENT

1. SMALL HYDRO PROJECT: a) Tsutsung SHP (1MW):



Plate 1 & 2: Inauguration of 1MW Tsutsung SHP at Longsa Village, Mokokchung District

Tsutsung SHP of capacity 1MW at Longsa Village under Mokokchung district was successfully commissioned by Shri Mmhonlumo Kikon, Adviser Science & Technology, New & Renewable Energy, Nagaland on 3rd May, 2022. The Energy generated from this project will be injected into the State-grid.

b) Noroi Stage – I (2 x 75kW):

Noroi Stage- I with an installed capacity 2 x 75kW at Punglwa Village under Peren district is under construction. The Energy generated from this project will be injected into the State grid. The Project is expected to be completed within this financial year.



Plate 3: Power House & Switch Yard



Plate 4: TG Set with control panels inside the Power House



Plate 5: Laying of penstock pipe

2. OFF-GRID STANDALONE SOLAR AGRICULTURE PUMP UNDER PM-KUSUM (COMPONENT- B):

Under this programme, 65 nos. of Off-grid Standalone Solar Agriculture Pumps of capacity up to 7.5HP are sanctioned by the Ministry for the farmers at subsidized rates.

The programme is under progress and is expected to be completed by the next financial year.

3. SOLAR POWER PLANT (5MW):

Solar Power Plant of capacity 5MW at Hovukhu Village under Niuland District is under Progress. The Project is expected to be completed by the next financial year.

The Power generated from 5 MW Hovukhu Solar Power Plant shall be evacuated by constructing a new single circuit 33 KV overhead transmission line up to the 66/33/11 KV substation located within 15Km of the proposed Solar Power Plant which will be utilized to meet the Energy demand of the state.

The Energy generated from the 5MW Solar Power Plant will be injected into the grid whereby, it shall be evacuated and distributed by the Power Department, Government of Nagaland.



Plate 6: Site development activity at 5MW Solar Power Plant
Hovukhu Village, Niuland District



Plate7: Security fencing at site



Plate 8: Overhead water tank for cleaning
Solar panels



Plate 9: Mounting Structure for Solar Panels



Plate 10: Materials for the 5MW Solar Power Plant at Hovukhu Village, Niuland District



Plate 11: Staff quarter at 5MW Solar Power Plant Hovukhu Village, Niuland District.

4. CONVERSION OF OFF GRID SOLAR POWER PLANT AT GOVERNMENT OFFICES TO GRID CONNECTION.

Under Phase –I of this programme, 30 (thirty) nos. of Government offices in the state having off-grid Solar Power Plant will be converted to grid connection. The programme is targeted to be completed in 18 (eighteen) months.

5. NEW & RENEWABLE ENERGY DIRECTORATE BUILDING, KOHIMA:

The construction of the new Directorate building for New & Renewable Energy at New Secretariat Complex area has been completed and is in use since December, 2022.

The Directorate building was constructed as per IS Code for earthquake resistant. The new Directorate building is also disability friendly.



Plate 12: Front view of the New Directorate Building

6. WORKSHOP AND TRAINING:

The Department of New & Renewable Energy, Nagaland imparts training to the students from time to time. Under the topic “Installation, Operation and Maintenance of 20kWp Hybrid Solar Power Plant” and “Understanding of working principle, repair and maintenance of solar lamp, solar street light and solar home light”, a one-day study tour cum exposure trip was conducted for the students of Government Polytechnic, Tsunazho Chetheba, Phek on 14th October, 2022.



Plate 13 & 14: Er. Imliakum, Project Officer with the Trainees from the Bridge Point Skills and Network Pvt.Ltd.Kohima.

Similarly, a one-day study tour under the topic “Installation, Operation and Maintenance of 20kWp hybrid Solar Power Plant” was conducted for the trainees of Bridge Point Skills and Network Pvt. Ltd. Kohima on 28th July, 2022 and 23rd January, 2023 respectively.

The Department in collaboration with the Global Sustainable Energy Solutions India Pvt. Ltd, New Delhi conducted 3 (three) day online workshop on “Energy Access and Education in the North East India States” in the month of October, 2022.

Participants from various Government institutions, representatives from Nagaland Legislative Assembly, Education sector and Entrepreneurs attended the online workshop.

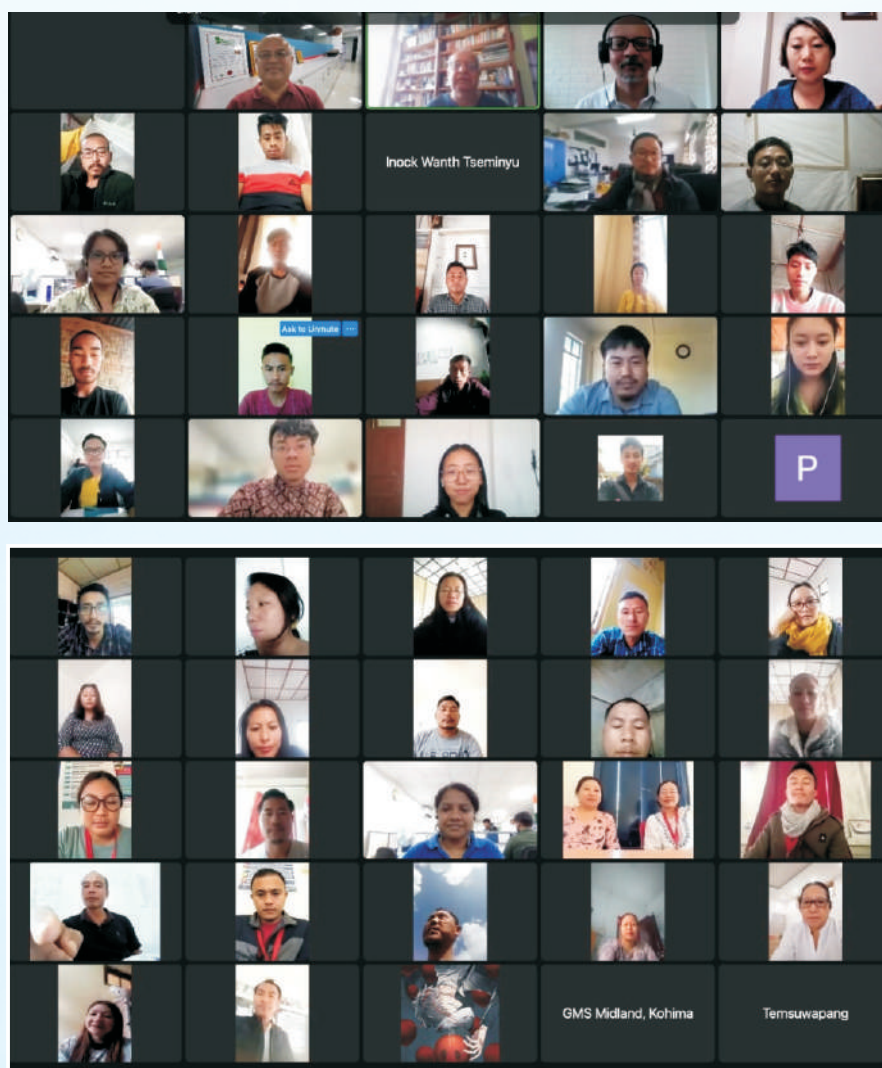


Plate 15 & 16: The Department in collaboration with GSES having online workshop on “Energy Access and Education” in the North East India States.