

INTEGRATED RURAL ENERGY PROGRAMME (IREP) SCHEME

1. **Introduction:** The Integrated Rural Energy Programme (IREP) is one of the Scheme of the Dept. which is primarily implementing to fill some of the gaps in demand-supply of energy for the rural population. The scheme was a Centrally Sponsored Scheme (CSS) upto 2006-07, but is now a State Plan Scheme.
2. **Objectives:** The IREP scheme aims to make available some selected high energy efficient devices for cooking, heating or lighting to the rural people, especially in remote areas, to help the rural families enjoy the benefits of appropriate modern technology relevant to them.
3. **Transfer of IREP Scheme:** The IREP Scheme had been transferred to Zilla Parishads of Valley Districts of the State under Devolution of Powers to Panchayati Raj Institutions (PRIs) since 2006-07. In addition, the IREP Scheme had also been transferred to Autonomous District Councils (ADCs) of Hill Districts of the State under Devolution of Powers to Autonomous District Councils (ADCs) since 2010-11.
4. **Methodology of scheme implementation:** The following are the salient features of implementation of the scheme:
 - a) **Survey of energy-efficient devices suitable for rural areas of Manipur:** A survey is made of energy-efficient devices suitable for family use, as available in the market. Feedback/Inputs from the ZPs/ADCs representatives are taken as well as discussions on feasibility. Due to limited funds, it is necessary to select such devices which has low unit cost, so that no. of beneficiaries can be maximized.
 - b) **Selection of energy devices by Technical Experts Committee :** The energy-efficient device is recommended from time to time by a Technical Experts Committee comprising of experts from NIT, Govt. Polytechnic, NIELIT, MIT, MANIREDA, DST etc after studying all the options.
6. **Implementation of the Scheme:** The IREP Scheme has been implementing with distribution of Solar Lanterns, Pressure Cookers, CFL bulbs, energy-efficient LED Lamps and construction of Biogas Plants in Zilla Parishads of Valley Districts and Autonomous District Councils (ADCs) of Hill Districts of the state under Devolution of Powers to PRIs and ADCs respectively. The details of distribution of CFL bulbs and energy-efficient LED Lamps to the beneficiaries selected by the Zilla Parishads and ADCs from the year 2015-16 to 2020-21 are as below:

A) Zilla Parishads:

| Sl. No. | Name of item/ Particulars | Year | Total no. of items distributed to Zilla Parishad (ZPs) | | | | | | Total |
|---------|---|---------|--|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Imphal West | Imphal East | Thoubal | Bishnupur | Kakching | Jiribam | |
| 1 | - | 2015-16 | - | - | - | - | - | - | - |
| 2 | High-efficiency LED Reading Lamp-STLP-I | 2016-17 | 825 Nos. | 825 Nos. | 825 Nos. | 825 Nos. | 825 Nos. | 825 Nos. | 4950 Nos. |
| 3 | LED Bulb (B22) 7W | 2017-18 | 1897 Nos. | 1897 Nos. | 1897 Nos. | 1897 Nos. | 1897 Nos. | 1897 Nos. | 11382 Nos. |
| 4 | - | 2018-19 | - | - | - | - | - | - | - |
| 5 | - | 2019-20 | -- | - | -- | - | - | - | - |
| 6 | - | 2020-21 | - | -- | - | - | - | - | - |

B) Autonomous District Councils(ADCs):

| Sl. No. | Name of item/ Particulars | Year | Total no. of items distributed to Autonomous District Council(ADCs) | | | | | | Total |
|---------|--|---------|---|---------------|----------|------------------------|------------|----------|------------------|
| | | | Chandel | Church-andpur | Senapati | Sadar Hills, Kangpokpi | Tamenglong | Ukhrul | |
| 1 | - | 2015-16 | - | - | - | - | - | - | - |
| 2 | High-efficiency LED Reading Lamp-STLP-I | 2016-17 | 825 Nos. | 825 Nos. | 825 Nos. | 825 Nos. | 825 Nos. | 825 Nos. | 4950 Nos. |
| 3 | High-efficiency LED Reading Lamp STLP-I | 2017-18 | 827 Nos. | 827 Nos. | 827 Nos. | 827 Nos. | 827 Nos. | 827 Nos. | 4962 Nos. |
| 4 | High-efficiency LED Reading Lamp(LUSTER) | 2018-19 | 797 Nos. | 797 Nos. | 797 Nos. | 797 Nos. | 797 Nos. | 797 Nos. | 4782 Nos. |
| 5 | - | 2019-20 | - | - | - | - | - | - | - |
| 6 | - | 2020-21 | - | - | - | - | - | - | - |

7. In addition, under the IREP Scheme for State level programme, the Dept. had distributed High-efficiency LED Reading Lamps to the schools which are having predominantly Scheduled Caste students, girls and disable persons. The details of list of the schools and no. of items distributed are as below:

| Sl. No. | Year | Name of School distributed High-efficiency LED Reading Lamp | Total No. of LED Reading Lamp distributed to students |
|---------|---------|---|---|
| 1 | 2010-11 | Govt. Deaf and Mute School, Takyelpat, Imphal | 140 Nos. |
| 2 | 2011-12 | i) Govt. Ideal Blind School, Takyelpat, Imphal | 140 Nos. |
| | | Ch. Tula Singh Junior High School, Awang Sekmai, Imphal West District | 120 Nos. |
| 3 | 2012-13 | i) Phayeng High School, Phayeng, Imphal West District | 115 Nos. |
| | | ii) Special Category Residential School, Awang Sekmai, Imphal West District | 110 Nos. |
| | | iii) Andro Govt. High School, Andro, Imphal East District. | 205 Nos. |
| | | iv) Waithou Mapal Junior High School, Thoubal Khunou, Thoubal District. | 120 Nos. |
| 4 | 2013-14 | i) Leimaram Govt. High School, Leimaram, Bishnupur District. | 140 Nos |
| | | ii) Sadar Patel High School, Khurkhul, Imphal West District. | 135 Nos. |
| | | iii) Karang K.L. Junior High School, Karang | 130 No. |

| | | | |
|---|---------|---|----------|
| 5 | 2014-15 | i) Thanga Wangma Junior High School, Thanga, Bishnupur District | 200 Nos. |
| | | ii) Phayeng Makha Leikai Upper Primary School, Phayeng, | 150 Nos. |
| | | iii) Keirenphabi Junior High School, Keirenphabi | 190 Nos. |
| 6 | 2016-17 | i) Kasturba Gandhi Balika Vidyalaya, Andro Loupaochum | 156 Nos. |
| | | ii) Mukta High School, Kokilbon Moirang | 174 Nos. |
| | | iii) Kangvai Secondary School, Kangvai Village, Churachandpur | 239 Nos. |

The Dept. had also provided and installed Solar Water Heaters of 100 LPD to the residential Schools to extend benefits to the Scheduled Caste and differently abled students and also for demonstration of renewable energy-efficient devices to rural areas of the State under IREP Scheme. The Scheme was implemented in 4(four) Govt. Schools which are having hostel facility and residential Schools where the students are predominantly Scheduled Caste, girls, and differently persons during 2017-18 and 2018-19 respectively. The details of schools/Residential Schools are as below:

| Sl. No | Year | Name of Residential School with Address | District | No. of Solar Water Heater 100 Litre Per Day(LPD) |
|--------|---------|---|-------------|--|
| 1 | 2017-18 | i) Kasturba Gandhi Balika Vidyalaya, Andro Loupaochum | Imphal East | 2(two) sets |
| | | ii) Govt. Ideal Blind School, Takyelpat, Imphal | Imphal West | 2(two) sets |
| 2 | 2018-19 | i) Kasturba Gandhi Balika Vidyalaya, Mayang Imphal. | Imphal West | 2(two) sets |
| | | ii) Deaf and Mute School, Takyelpat, Imphal. | Imphal West | 2(two) sets |

During 2021 the Dept. had provided and installed 98(ninetyeight) nos. of Solar Street Lighting Systems (with 75Wp SPV Module, 12.8V Lithium Battery, 12W LED Luminary) in Valley District of the State under IREP Scheme 2020-21 in co-ordination with M/S Manipur Electronics Development Corporation(MANITRON), Lamphelpat, Imphal. The locations of installation of the Solar Street Lighting Systems are as below:

| Sl. No. | Name of District | Location for installation of Solar Street Lighting System | No. Solar Street Lighting Systems installed | Total |
|---------|------------------|---|---|---------|
| 1 | Imphal West | i) Uripok (Langol Area) | 25 Nos. | 35 Nos |
| | | ii) Naoriya(Hiyangthang Lairembi) | 10 Nos. | |
| 2 | Imphal East | i) Ibouthou Marjeet Khubam and its surrounding. | 15 Nos. | 15 Nos. |

| Sl. No. | Name of District | Location for installation of Solar Street Lighting System | No. Solar Street Lighting Systems installed | Total |
|---------|------------------|---|---|---------|
| 3 | Thoubal | Nongpok Ninghtou Panthoibi | 5 Nos. | 10 Nos. |
| | | ii) Nongpok Sekmai(Leihao Ching) | 5 Nos. | |
| 4 | Bishnupur | i) Ibuthou thangjing Leikol | 6 Nos. | 24 Nos. |
| | | ii) Ibuthou Shandong Ningthou Abanba | 4 Nos. | |
| | | Ngangkhalawai Ibuthou Thangjing Leikol | 4 Nos. | |
| | | Ibenthou Nganu Leima | 6 Nos. | |
| | | v) Moirang Konung Kwakta Khuman | 4 Nos. | |
| 5 | Kakching | i) Ibuthou Wangbren Khubam and its premises. | 10 Nos. | 10 Nos. |
| 6 | Science Centre: | i) Manipur Science Centre, Takyelpat, Imphal: | 4 Nos. | 4 Nos.. |

Total: 98 Nos.

Photo Gallery: