

Institutional & policy framework	Energy Efficiency & Conservation
Renewable Energy Potential	Present Status
Present Status	Future Plan and Target
Future Plan and Target	Gas Reserve and Production
Equipments Standards	Fuel Oil Sales

## Solar Mini Grid

Providing access to electricity for customers are few in remote areas. System (RAPSS) to facilitate the grid cannot be expanded to reach them or the 'ability to pay' present in 2007 published a Guideline for Remote Area Power Supply. A commercial model has been identified under the guideline to implement the mini grid project through the private sector. But that policy focused on conventional, mainly diesel, based power generation. In line with the idea of developing mini grid in remote areas, government has allocated 25 MW to be developed as solar mini grids by the private sector. Each project will be implemented under Distributed Utility concept integrating solar based Generation & Distribution Management. The government will assist by providing necessary fiscal and financial support. Initially 30 remote locations have been identified where grid expansion is not planned for next 15-20 years. Identifications of new areas are under progress.

Govt. has initiated different programs and has given enormous efforts to bring mobility in rural economy. One of the initiatives is solar mini-grid in the off-grid areas. In present arrangement, Govt. will provide necessary fiscal and financial support to buy down initial investment cost through IDCOL to make electricity tariff affordable to consumers. Moreover a draft mini grid policy

Solar PV based mini-grid projects are installed in remote areas of the country where possibility of grid expansion is remote in near future.

### List of Exclusive areas for Solar Mini/Micro/Nano Grid

These projects provide grid quality electricity to households and small commercial users and thereby encourage commercial activities in the project areas.

So far, 11 solar mini grid with a cumulative capacity of 2.19 MW has been installed and are in operation. 15 more solar mini grid projects are under implementation with a cumulative capacity of 3.17 MW. Majority of these projects are being financed by IDCOL and they have a target to finance 61 more projects in the upcoming years. However BPDB has installed 650kWp solar mini grid project at Shalla, Sunamganj which is the largest solar mini grid project in south asia.



The definition of Solar MiniGrid, MicroGrid, Nanogrid and Picogrid has been defined below.

Definition of Renewable Energy based Mini-grid, Micro-grid, Nano-grid and Pico-Grid			
SL.	System Type	System's Capacity	Other conditions
1.	Mini Grid	5 MW > System size ≥ 100 kW	<ul style="list-style-type: none"> <li>Each RE generation system must have at least 10 consumers.</li> <li>Commercial operation with consumer or Contributory participation among prosumer.</li> <li>Isolated from National Grid network.</li> </ul>
2.	Micro Grid	100 kW > System size ≥ 10 kW	
3.	Nano Grid	10 kW > System size ≥ 3 kW	
4.	Pico Grid	3 kW > System size ≥ 500 W	