

No.5/14/2008-P&C
Government of India
Ministry of New and Renewable Energy

Block No. 14, C.G.O. Complex,
Lodi Road, New Delhi -110 003
Dated: 11th January, 2010

RESOLUTION

Subject: Jawaharlal Nehru National Solar Mission

Consequent to the announcement of the National Action Plan on Climate Change in June 2008, which identified development of solar energy technologies in the country as a National Mission, the Government of India has approved "Jawaharlal Nehru National Solar Mission" (JNNSM) which aims at development and deployment of solar energy technologies in the country to achieve parity with grid power tariff by 2022.

2. The objective of the National Solar Mission is to establish India as a global leader in solar energy, by creating the policy conditions for its diffusion across the country as quickly as possible.

3. The Mission will adopt a 3-phase approach, spanning the remaining period of the 11th Plan and first year of the 12th Plan (up to 2012-13) as Phase 1, the remaining 4 years of the 12th Plan (2013-17) as Phase 2 and the 13th Plan (2017-22) as Phase 3. At the end of each plan, and mid-term during the 12th and 13th Plans, there will be an evaluation of progress, review of capacity and targets for subsequent phases, based on emerging cost and technology trends, both domestic and global. The aim would be to protect Government from subsidy exposure in case expected cost reduction does not materialize or is more rapid than expected.

4. The immediate aim of the Mission is to focus on setting up an enabling environment for solar technology penetration in the country both at a centralized and decentralized level. The first phase (up to 2012- 2013) will focus on capturing of the low-hanging options in solar thermal; on promoting off-grid systems to serve populations without access to commercial energy and modest capacity addition in grid-based systems. In the second phase, after taking into account the experience of the initial years, capacity will be aggressively ramped up to create conditions for up scaled and competitive solar energy penetration in the country.

5. To achieve this, the Mission targets are:

- To create an enabling policy framework for the deployment of 20,000 MW of solar power by 2022.
- To ramp up capacity of grid-connected solar power generation to 1000 MW within three years – by 2013; an additional 3000 MW by 2017 through the mandatory use of the renewable purchase obligation by utilities backed with a preferential tariff. This capacity can be more than doubled – reaching 10,000MW installed power by 2017 or more, based on the enhanced and enabled international finance and technology transfer. The ambitious target for 2022 of

20,000 MW or more, will be dependent on the 'learning' of the first two phases, which if successful, could lead to conditions of grid-competitive solar power. The transition could be appropriately up scaled, based on availability of international finance and technology.

- To create favourable conditions for solar manufacturing capability, particularly solar thermal for indigenous production and market leadership.
- To promote programmes for off grid applications, reaching 2000 MW by 2022 including 20 million solar lighting systems.
- To achieve 20 million sq. solar thermal collector area by 2022.

6. The Government has given In Principle approval to the over all targets proposed for the various activities covered under the Jawaharlal Nehru National Solar Mission.

7. The Government has also decided to approve the implementation of the first phase of the Jawaharlal Nehru National Solar Mission during 2009-2013 and the target to set up 1,000 MW grid connected (33 KV and above) solar plants, 100 MW of roof top and small solar plants connected to LT/11 KV grid and 200 MW capacity equivalent off-grid solar applications in the first phase of the Mission, till March, 2013. An amount of Rs.4337 crore has been approved for the activities proposed under the first phase of the Mission till March 2013.

8. The implementation of the target of 1,000 MW of grid connected (33 KV and above) solar power plants will be through NTPC Vidyut Vyapar Nigam (NVVN), a trading subsidiary of NTPC Limited. NVVN will directly purchase the solar power from the project developers as per the norms and guidelines fixed in this regard.

9. 100 MW capacity of solar roof top and small grid connected solar power plants will be connected to LT/11 KV grid of the distribution utility and the solar power will be directly purchased by the distribution utilities as per the norms and guidelines fixed in this regard.

10. 200 MW equivalent capacity of off-grid solar applications, both solar thermal and photovoltaic will be implemented through a combination of low interest bearing loans and /or central financial assistance. as per the norms and guidelines fixed in this regard.

11. In addition, the Mission will support various activities, as considered necessary, on R&D, Human Resource Development, Technical Assistance, training, publicity and awareness etc. for successful implementation of the Mission

12. The detailed guidelines for implementation of each of the above components of the Jawaharlal Nehru National Solar Mission will be issued separately.

(Gauri Singh)
Joint Secretary to the Government of India

Order

Ordered that this resolution be published in the Gazette of India Extraordinary.

Ordered that a copy of the resolution be communicated to the Ministries/Departments of the Government of India, State Governments, Administration of Union Territories, Central Electricity Regulatory Commission, State Electricity Regulatory Commissions and to all other concerned

(Gauri Singh)
Joint Secretary to the Government of India