

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 676
TO BE ANSWERED ON 23.07.2015

SMALL HYDRO POWER GENERATION

676. SHRI K. PARASURAMAN:

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) whether the Government has drafted National Mission on Small Hydro power project for of country's hydro power generation:
- (b) if so, the details thereof; and
- (c) the number of projects planned by the Government under this Mission, State-wise?

ANSWER

THE MINISTER OF STATE FOR POWER, COAL & NEW AND RENEWABLE ENERGY
(INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

(a)&(b): Yes, Madam. The Ministry of New & Renewable Energy has prepared a draft document on National Mission on Small Hydro. The Mission is proposed to be a joint initiative of the Government of India and State Governments to enrich remote and rural areas in power generation. The Mission would give unique opportunity of entrepreneurship, livelihood development in rural areas and would be an effective tool to achieve 24X7 Power to all and deployment of 10,000 MW of small hydro projects by 2022 have been proposed.

(c): State wise target has not been fixed.

With a view to achieve the target, followings are proposed under the Mission:

- To create an enabling policy frame work along with the state governments for the deployment of 10,000 MW of small hydro projects by 2022 and a platform for long term sustainable growth in small hydro sector.
- Encourage and enable all the States to participate in the National Mission of Small Hydro for setting up new SHP projects, provide conducive policy and institutional support for SHP projects by private sector.

- Evaluation of all existing Government sector small hydro projects with a view to Renovate, Modernize and upgrade (RMU) them, if required, to improve efficiency and add capacity where ever possible.
- Develop new technologies and engineering solutions to set up low and ultra low head (below 3m) small hydro projects on canals, dam outlets and water outfall structures.
- Develop a network of water mills, individual household systems and micro hydro projects in remote and rural areas and set up 5000 water mills/micro hydro projects and establishing local mini grids.
- Undertake systematic study to identify new small hydro potential sites on existing (non-powered dam outlets, outfall structures, fall structures, pipe lines), agricultural facilities, natural non-powered structures and hydro kinetic flows.

The first phase would be for two years where policy issues concerning slow pace of small hydro sector will be addressed. A capacity addition of 500 MW will be targeted, State sector old small hydro projects would be reviewed and assessed and DPR prepared for their RMU. The technology development work would be started for low and ultra-low head canal based small hydro projects. Network to take up water mills / individual systems and micro hydro projects in remote and rural areas through entrepreneurs will be established and action to identify new potential sites in the country would be initiated.
