

expenditure was Rs. 2292.27 crore. The remaining amount could not be utilized because of the following reasons:-

- (i) Non-receipt of complete and adequate proposals from the States/Union Territories under Multi-sectoral Development Programme,
 - (ii) Non-submission of Utilization Certificates of amounts released earlier by the Ministry,
 - (iii) Insufficient proposals from States/Union Territories especially North-Eastern States under Scholarship Schemes;
 - (iv) The Scheme for Leadership Development of Minority Women Programme which was revised in 2011-12 could not be implemented because when the implementation procedure was finalized in December 2011, the Model Code of Conduct for State Election came into force.
- (d) No new scheme/programme was introduced during the year 2011-12.

Manpower for renewable energy sector

4903. SHRI JESUDASU SEELAM: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) the details of skilled and trained manpower available in the country for the renewable energy sector, especially in southern States like Andhra Pradesh;
- (b) whether the production in renewable energy sector is affected due to the shortage of necessary manpower; and
- (c) whether universities and colleges in the country are offering courses on renewable energy and if so, how far its contribution is useful to the renewable energy sector?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) Ministry does not collect data of trained manpower available in different States. However, Ministry supports short term training programmes for renewable energy technologies within the provisions of different programmes of the Ministry to cater to the requirement of trained manpower in the States.

(b) No Sir.

(c) Renewable Energy is taught as an elective subject as part of B.Tech/BE courses in many engineering colleges and technological institutions. In addition, courses on Energy Studies/Energy Management/Energy and Environment/Renewable Energy are run in many IITs, NITs and other engineering colleges at Masters Level, in which renewable energy is taught as main subject. Renewable energy related

topics find place in post graduate courses of science streams in many universities and academic institutions. Renewable Energy related topics are also undertaken as PhD thesis in many universities and institutions. Their contribution in renewable energy sector is significant and it is useful in the progress of this sector in the country.

Preference for Domestic Solar Cells

4904. SHRI N. K. SINGH: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) whether Government has any restrictions on Chinese manufactured solar cells sold in the country;
- (b) if so, the details thereof;
- (c) if not, the details thereof;
- (d) whether the solar missions at the State-level in the country are not mandatorily required to give preference to domestic manufacturers of solar cells;
- (e) whether the domestic market for solar cells is expected to grow to 3-5 gigawatts annually in six years; and
- (f) whether other countries like U.S. have taken China to WTO regarding low cost Chinese solar cells?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) No restrictions have been imposed specifically for Chinese manufactured solar cells sold in the country.

- (b) Does not arise.
- (c) The details of condition of domestic content in various schemes under Jawaharlal, Nehru National Solar Mission (JNNSM) are given in Statement (*See below*).
- (d) States are free to have their own schemes and the Government of India does not impose the domestic content requirement on them.
- (e) As per the Mission document of JNNSM one of the objectives is to take global leadership role in solar manufacturing (across the value chain) of leading edge solar technologies and target a 4-5 GW equivalent of installed capacity by 2020. It is expected that the domestic market would also grow to these level by then.
- (f) There are media reports that imposition of anti-dumping tariff on Chinese solar cells is under consideration in US.