

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.

**Statement***Domestic Content Provision in various schemes under JNNSM*

*One of the important objectives of the Jawaharlal Nehru National Solar Mission (JNNSM) is to promote domestic manufacturing. In view of this, the developers are expected to procure their project components from domestic manufacturers, as far as possible. The following provisions have been made in various schemes related to domestic content:*

Programme	Allocation	Domestic Content Requirement	
		Solar PV	Solar thermal
Grid connected solar Power projects-Batch 1, Phase-1 of JNNSM	<ul style="list-style-type: none"> <li>• Solar PV Projects-150 MW</li> <li>• Solar Thermal Projects-470 MW</li> </ul>	<ul style="list-style-type: none"> <li>• Crystalline Silicon Technology-to use modules manufactured in India.</li> <li>• Thin film and CPV technology-allowed to be imported.</li> </ul>	<ul style="list-style-type: none"> <li>• 30% of the total project cost to be indigenous</li> </ul>
Grid connected solar power projects -Batch 2, Phase-1 of JNNSM	Solar PV Projects-350 MW	<ul style="list-style-type: none"> <li>• Crystalline Silicon Technology-to use cells and modules manufactured in India.</li> <li>• Thin film and CPV technology-allowed to be imported.</li> </ul>	NA
Roof top and small Projects (up to 2 MW)		<ul style="list-style-type: none"> <li>• Crystalline Silicon Technology-to use modules manufactured in India.</li> <li>• Thin film and CPV technology-allowed to be imported.</li> </ul>	NA
Off Grid		<ul style="list-style-type: none"> <li>• Use of imported complete system is not allowed. Imported components allowed.</li> </ul>	NA