

GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT AND ENTREPRENEURSHIP
RAJYA SABHA
UNSTARRED QUESTION NO. 1566
ANSWERED ON 12.03.2025

GREEN SKILLS DEVELOPMENT PROGRAM

1566 SHRI NARESH BANSAL:

Will the Minister of Skill Development and Entrepreneurship be pleased to state:

- (a) whether Government has conducted any assessment of skill requirements for emerging green jobs in renewable energy, sustainable agriculture and clean technology sectors;
- (b) if so, the details of identified skill gaps and proposed training programs;
- (c) whether any collaboration with international institutions is planned for developing green skills training modules;
- (d) the steps being taken to create certification standards for green skills across different sectors; and
- (e) the proposed timeline for implementing comprehensive green skills development programs across States?

ANSWER

THE MINISTER OF STATE (INDEPENDENT CHARGE) IN THE MINISTRY OF SKILL DEVELOPMENT AND ENTREPRENEURSHIP

(SHRI JAYANT CHAUDHARY)

(a) & (b) National Skill Development Corporation (NSDC) under the aegis of Ministry of Skill Development and Entrepreneurship has formed 36 Sector Skill Councils (SSCs), led by industry leaders in the respective sectors. These SSCs are mandated to identify the skill development needs of respective sectors as well as to determine skill competency standards. Skill Development Programmes of the Government are designed and implemented to bridge identified skill gaps. Skill Council for Green Jobs (SCGJ) has assessed the skill gaps in Green Hydrogen sector. It estimated that there are 3.15 lakh job opportunities anticipated for various job roles in renewable energy plants. Also, Skill Council for Green Jobs in association with Council on Energy, Environment and Water (CEEW) has carried out assessment of skill requirement for renewable energy sectors/sub sectors. It estimated approximately 10 lakh job opportunities from solar and wind targets of the 500 GW non-fossil fuel capacity by 2030.

Under the Government of India's Skill India Mission (SIM), the Ministry of Skill Development and Entrepreneurship (MSDE) delivers skill, re-skill and up-skill training through an extensive network of skill development centres / institutes under various schemes, viz. Pradhan Mantri Kaushal Vikas Yojana (PMKVY), Jan Shikshan Sansthan (JSS), National Apprenticeship Promotion Scheme (NAPS) and Craftsman Training Scheme (CTS) through Industrial Training Institutes (ITIs), to all the sections of the society across the country. The SIM aims at enabling youth of India to get future ready and equipped with industry relevant skills including for renewable energy, sustainable agriculture and clean technology sectors. Directorate General of Training (DGT) under aegis of MSDE implements the skill component of PM Surya Ghar Muft Bijli Yojana.

(c) SCGJ has signed a tripartite MOU with the Australian Government and the ReNew Pvt Ltd to establish a world class training center in India. The MOU envisages technical support from an Australian institution and experts to develop training modules for solar roof top systems and train 2,000 workers on solar rooftop installations.

(d) SCGJ has developed 37 qualifications in the domain of Renewable Energy and Green Hydrogen. All these qualifications are NSQF aligned and approved by NCVET adhering to the prescribed standards.

(e) Skill training in the Renewable Energy and Green Hydrogen sector is an ongoing activity across the country. SCGJ has trained & certified more than 1.58 lakh candidates in the domain of Renewable Energy and Green Hydrogen. These trainings are carried out under various government schemes like Pradhan Mantri Kaushal Vikas Yojana (PMKVY) of Ministry of Skill Development and Entrepreneurship, Suryamitra Skill Development Program of Ministry of New and Renewable Energy, various state missions & industry supported programs.
