

The Pradhan Mantri Khanij Kshetra Kalyan Yojana (PMKKKY) has been conceived by the Central Government which will be implemented by the District Mineral Foundations (DMFs) of the respective districts using the funds accruing to the DMFT. At least 60% of PMKKKY funds will be utilized for high priority areas like: (i) drinking water supply; (ii) environment preservation and pollution control measures; (iii) health care (iv) education; (v) welfare of women and children; (vi) welfare of aged and disabled people; (vii) skill development; and (viii) sanitation. The rest of the funds will be utilized for the following: (i) physical infrastructure; (ii) irrigation; (iii) energy and watershed development; and (iv) any other measures for enhancing environmental quality in mining district.

Directions have been issued under section 20A of MMDR Act on 16.09.2015 to all States to incorporate the PMKKKY into the rules framed by them for the District Mineral Foundations.

As per the information made available by Government of Maharashtra, total amount of ₹ 26.35 Crores has been collected by Pune District under DMF and ₹ 365.94 crores has been collected by Government of Maharashtra under DMFs. As per Section 9(B)(2) of the MMDR Act, the manner in which the DMF shall work for the interest and benefit of persons and areas affected by mining related operations shall be prescribed by the State Governments through rules framed in this regard. The funds accrued to DMF will be utilized for the activities as per the PMKKKY. The details of the expenditure made in this regard are not maintained centrally by the Ministry of Mines.

#### **Using rooftops of Government building for solar power generation**

†1656. SHRI MAHENDRA SINGH MAHRA: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) whether Government would consider using the rooftops of Government buildings in the country for generation of solar power;
- (b) if so, by when Government intends to take a decision on this; and
- (c) if not, the problems faced by Government in using the unused rooftops of Government buildings and the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI PIYUSH GOYAL): (a) to (c) The Ministry has been promoting achievement

†Original notice of the question was received in Hindi.

linked incentives scheme for installation of roof top systems on Government buildings. The incentives are upto 25% of the benchmark cost in General Category States/Union Territories and up to 60% of the benchmark cost in Special Category States, North Eastern States, Andaman and Nicobar and Lakshadweep Islands.

**Research, design and development in renewable energy sector**

1657. SHRIMATI THOTA SEETHARAMA LAKSHMI: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether Government has taken steps to promote research, design and development in the renewable energy sector and if so, the details thereof;

(b) the funds allocated and utilised for this purpose during the last three years and the details thereof; and

(c) whether Government has taken steps to incentivise firms to come up with new technologies in the renewable energy sector and the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI PIYUSH GOYAL): (a) Yes, Sir. The Ministry of New and Renewable Energy (MNRE) has been supporting projects for research, design and development in various RD&D/academic institutions, industries, etc. in the field of Solar, Wind, Biogas, Biofuel, Hydrogen, Fuel Cells, Geothermal, etc. for technology development and demonstration leading to commercialization. A comprehensive policy and guidelines for research, development and demonstration (RD&D) for new and renewable energy sector is in place. It has a provision for 100% funding for project proposals from academic institutions, Government/non-profit research organizations and NGOs. Projects involving industries/civil society are supported up to 50% of the project cost. In addition, the MNRE has established three institutes, namely, National Institute of Solar Energy (NISE), National Institute of Wind Energy (NIWE) and National Institute of Bio Energy (NIBE) for carrying out RD&D, testing and evaluation in Solar, Wind and Bioenergy, respectively.

Further, a day-long "Brainstorming Consultation Experts Meeting on RD&D" was organized on 5th January 2016 for preparing "Thrust Areas with Action Plan for RD&D" for support by MNRE. The Action Plan has strong emphasis on industry association and also collaboration for RD&D projects for technology development leading to commercialization.