

**GOVERNMENT OF INDIA  
NEW AND RENEWABLE ENERGY  
LOK SABHA**

UNSTARRED QUESTION NO:278

ANSWERED ON:23.11.2012

POWER GENERATION FROM RICE HUSK AND SOLAR ENERGY

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

- (a) whether Government proposes to use the power generated from Rice husk and solar energy to solve the electricity problem in rural India;
- (b) if so, the details of the proposed new green solution system; and
- (c) the details of the cost and time frame for implementation of the same?

**Answer**

MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH)

(a)&(b): Rice husk based biomass gasifiers are being installed to meet the unmet demand of electricity in villages. Stand-alone solar photovoltaic power plants of up to 100 kWp unit capacity and mini-grid solar photovoltaic power plants of up to 250 kWp unit capacity with battery bank can meet the electricity requirements of villages in the country. The Ministry is providing central financial assistance for the installation of rice husk based biomass gasifiers and solar photovoltaic power plants.

(c): An investment of approximately Rs.16-18 lakhs is required for installation of a 32 kilowatt rice husk gasifier system with 100% producer gas engine and a distribution network.

Benchmark cost for a standalone solar photovoltaic power plant is Rs.2.7 lakhs per kilowatt and the cost of a mini-grid solar power plant with distribution network and battery bank is Rs.5 lakh per kilowatt.

The time frame for the implementation of rice husk based gasifier projects and solar power plants is 6 months to 12 months from the date of sanction