

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 1255
TO BE ANSWERED ON 23.11.2016

COST EFFECTIVENESS OF NUCLEAR POWER PLANTS

1255. COL. SONARAM CHOUDHARY:

Will the PRIME MINISTER be pleased to state:

- (a) whether any study has been made as to the cost effectiveness of nuclear power plants *vis-a-vis* renewable sources of energy like solar, wind, etc.;
- (b) if so, the outcome thereof and the decision taken in this regard, and
- (c) if not, the reasons therefor?

ANSWER

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND PRIME MINISTER'S OFFICE (Dr. JITENDRA SINGH):

- (a) Nuclear power is a base load source of electricity generation (available 24X7) unlike renewable energy sources like solar, wind etc., which are intermittent and also location specific. However, a detailed analysis of the viability of each nuclear power project is carried out as a part of the project proposal while seeking financial sanction from the Government.
- (b) Nuclear power is clean with lifecycle greenhouse gas emissions comparable to renewables and has huge potential to provide long term energy security for the country in a sustainable manner. Pursuing expansion of nuclear energy is therefore part of India's energy strategy.
- (c) Does not arise.
