GOVERNMENT OF INDIA MINISTRY OF POWER

LOK SABHA UNSTARRED QUESTION NO.3901 TO BE ANSWERED ON 09.08.2018

TREATED SEWAGE WATER BY NTPC

3901. SHRIMATI K. MARAGATHAM:

Will the Minister of POWER be pleased to state:

(a) whether the NTPC has signed pact with several authorities and local bodies to use treated sewage water for its thermal plants across the country;

(b) if so, the details thereof;

(c) whether the NTPC is pro-active towards continued environment conservation through adoption of the latest technologies; and

(d) if so, the details thereof?

ANSWER

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER AND NEW & RENEWABLE ENERGY

(SHRI R. K. SINGH)

(a) & (b) : Yes, Madam. NTPC has signed agreement with NOIDA and Solapur Municipal Corporation for use of 80 million liters per day (MLD) and 52 MLD of treated sewage water in its Dadri and Solapur Super Thermal Power Plant respectively.

(c) & (d) : Yes, Madam. Various pro-active measures taken by NTPC for environment conservation are as follows:

- High Efficiency Electrostatic Precipitators (ESPs) to limit the particulate emission.
- Adoption of more efficient Ultra Super / Super Critical Technology in upcoming projects.
- Adoption of Renewable Energy/Hydro based technology for power generation.

.....2.

- Continuous emission monitoring system to monitor emission on real time basis.
- Water Efficient High Concentrated Slurry Disposal (HCSD) system for fly ash disposal.
- Planted 34 million trees (approx.).
- Installing Flue Gas Desulphurization (FGD) system for reducing SO₂ emission.
- Dust extraction/suppression systems for reducing fugitive dust emission
- Low NOx burner for controlling NOx emission.
- Effluent management scheme comprising Sewage Treatment Plant (STP) / Effluent Treatment Plant (ETP) for achieving Zero Liquid Discharge (ZLD).
- Adoption of ACC (Air Cooled Condenser) based technology for water conservation.
- Greenbelt development in and around all of the plants to arrest fugitive emissions.
