

**GOVERNMENT OF INDIA
STEEL
LOK SABHA**

UNSTARRED QUESTION NO:4563
ANSWERED ON:22.04.2013
ESP SYSTEM AT BOKARO PLANT
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Will the Minister of STEEL be pleased to state:

- (a) whether the pollution control devices including the Electro Static Precipitators (ESP) have become old and obsolete causing environmental problems in the Bokaro Steel Plant;
- (b) if so, the details thereof;
- (c) the efforts being made to revamp the ESP system to avoid further environmental degradation; and
- (d) the steps taken/being taken to streamline the unloading of collected lime fines which are also causing pollution in the Plant along with the outcome thereof?

Answer

MINISTER OF THE STATE IN THE MINISTRY OF STEEL (SHRI BENI PRASAD VERMA)

(a)to(c) In Bokaro Steel Plant (BSL), most of the pollution control devices, including Electrostatic Precipitators (ESP) were installed with the respective units during commissioning of the Plant to meet the emission standards prevailing at that point of the time. Some of the devices such as Multi-cyclones at Sinter Plant, Electrostatic Precipitators (ESP) at Refractory Materials Plant (RMP) and Pollution Control devices at Coke Oven batteries to control fugitive emissions became obsolete to meet the present emission standards. The steps taken to revamp the ESP system to avoid further environmental degradation include replacement of one old Multi-cyclone at Sinter Plant with electrostatic Precipitators, refurbishing of one old Russian design ESP in RMP, installation of new ESP with Blast Furnace No. 4 & 5 and installation of state of the art pollution control facilities in Coke Oven batteries No. 1, 2 & 5.

(d) To control pollution, lime fines collected from ESPs of RMP are transported in closed tankers carrier to Sinter Plant for blending in sinter base mix. During this transportation, there is no fugitive dust and it is pollution free. The collection of lime fines at RMP and the receiving system at Sinter Plant have been designed in such a manner that the possibility of fugitive dust emission during these activities is negligible.