

**GOVERNMENT OF INDIA
COAL
LOK SABHA**

UNSTARRED QUESTION NO:2903
ANSWERED ON:06.08.2015
Technology Upgradation in Open Cast Mines
Hari Shri G.

Will the Minister of COAL be pleased to state:

- (a) Whether the Coal India Limited (CIL) has planned for technology upgradation in opencast mines with high capacity equipment, operator independent truck dispatch system, vehicle tracking system using GPS, Coal handling plants and soil for faster loading and monitoring using laser scanner;
- (b) if so, the details thereof;
- (c) whether it is a fact that for underground mines the CIL proposes to use continuous miner technology in large scale, long wall technology at selected places, man riding system in major mines and use of tele-monitoring techniques;
- (d) if so, the details thereof;
- (e) whether the CIL also proposes to introduce remote sensing geophysical technologies and proper monitoring and evolution methodologies for system upgradation; and
- (f) if so, the details thereof?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) IN THE MINISTRY OF COAL, POWER AND NEW AND RENEWABLE ENERGY (SHRI PIYUSH GOYAL)

(a)&(b): Technology up-gradation and modernization is a continuous process. Coal India Limited (CIL) has already planned its opencast mine with large capacity heavy earth moving machinery like 24Cum X 96m draglines, 42 Cum electric rope shovels, 14 Cum hydraulic shovels, 240 T dumpers, 3800mm Surface Miners, 850 HP dozers, 380 mm drill machines etc. Further, Operator Independent Truck Dispatch System (OITDS), vehicle tracking system using GPS, Coal handling plants with silo loading arrangements for rapid loading of wagons and monitoring using laser scanners have also been adopted in the large opencast mines.

(c)&(d): At present, 8 Continuous Miners are deployed in 7 underground mines of CIL. Introduction of this technology in 19 more underground mines has already been planned where it is envisaged to deploy 25 continuous miners with a planned capacity of 12.595mty.