

**GOVERNMENT OF INDIA
MINISTRY OF COAL
LOK SABHA
STARRED QUESTION NO. 266**

TO BE ANSWERED ON 14TH MARCH, 2018

Work Efficiency of Coal Mines

*266. SHRI NISHIKANT DUBEY:

Will the Minister of COAL be pleased to state:

- (a) the steps taken by the Government for increasing the work efficiency of coal mines in the country;
- (b) whether any strategy has been formulated to ensure supply of coal to plants from coal bearing mines situated near them; and
- (c) if so, the details thereof?

ANSWER

MINISTER OF RAILWAYS AND COAL (SHRI PIYUSH GOYAL)

(a)to(c): A statement is laid on the Table of the House.

Statement referred to in reply to parts (a) to (c) in respect of Lok Sabha Question No. 266 for reply on 14th March, 2018 asked by Shri Nishikant Dubey, MP regarding Work Efficiency of Coal Mines.

(a): CIL has taken the following measures to improve the work efficiency of coal mines:

- i. Planning for higher capacity mines with heavy mechanization to take advantage of economy of scale.
- ii. Introduction of state of the art technology to improve its work efficiency with high capacity HEMMs like 42 cum Shovel with 240 T Rear Dumper.
- iii. Introduction of Surface Miners in opencast mines to improve operational efficiency & cater to environmental needs.
- iv. Introduction of In-pit crushing & conveying/In pit conveying.
- v. Introduction of mechanized mass production technology like powered support long wall technology and continuous miner in UG mines.
- vi. Thrust on mechanization of coal winning/loading system by gradually phasing out manual loading by SDL/LHD loading, manual drilling into UDM drilling, haulage system of transport to conveyor system wherever feasible.
- vii. Construction of silos with rapid loading system for faster loading.
- viii. For survey/check measurements, use of technology like Terrestrial Laser Scanner (TLS).

(b)&(c): With a view to optimize transportation cost, an Inter-Ministerial Task Force (IMTF) was constituted by Ministry of Coal for a comprehensive review of existing coal sources as also feasibility for rationalization of these sources. The IMTF recommended rationalization of existing sources on case to case basis for 19 Thermal Power Plants (TPPs) of Public Sector Undertakings (PSUs). This has resulted in rationalization of sources of 24.238 MT coal. In addition, an agreement was signed between Gujarat State Electricity Corporation Ltd. (GSECL) and National Thermal Power Corporation (NTPC) for swapping of 1.0 MT of domestic coal with imported coal. Further, CIL has rationalized sources of coal supply to TPPs of PSUs to the tune of 30.46 MT on the basis of the requests received from them. These have resulted in annual potential savings of Rs.3354 cr. Further, Government has permitted flexibility in utilization of domestic coal by allowing central/state utilities to use coal in such power plants to achieve overall reduction in cost of generation.

In addition to the above, it has been decided that all Power Plants located within 20 Kms from Pithead shall construct elevated closed belt conveyor within next 2 years (up to 1st April 2020). Further, it is also decided that the power plants located within 40 Kms from Pit-head shall construct MGR within 3 years (up to 1st April, 2021). Power plants located beyond 40 Km and upto 100 Km., may also consider the option of MGR depending on the financial viability.
