

GOVERNMENT OF INDIA
MINISTRY OF COAL

LOK SABHA
UNSTARRED QUESTION NO. 3511
TO BE ANSWERED ON 17.3.2021

E-Surveillance of Coal Fields

3511. SHRI VELUSAMY P. :

Will the Minister of COAL be pleased to state:

- (a) whether Mahanadi Coalfields Ltd. (MCL), a subsidiary of Coal India has started e-surveillance to check coal operations in their plant ?
- (b) if so, the details thereof;
- (c) whether the Government is having any proposal to extend or initiate e-surveillance of all coal fields in India to monitor the operations of all coal fields ?
- (d) if so, the details thereof and if not, the reasons therefor; and
- (e) whether the e-surveillance can track illegal coal mining and transportation of coal by unauthorized persons and if so, the details thereof ?

ANSWER

**MINISTER OF PARLIAMENTARY AFFAIRS, COAL AND MINES
(SHRI PRALHAD JOSHI)**

(a) & (b): Yes, Sir. Mahanadi Coalfields Ltd (MCL), a subsidiary of Coal India has started e-surveillance to check coal operations in their plant. The following e-Surveillance Technologies have been implemented:-

1. CCTV Surveillance of Vulnerable Locations like Mine Entry Exit Points, Coal Stocks, Railway Sidings, etc.

Type of Locations	Installed
Coal Stocks	64
Mine Entry Exit Points	76
Coal Sample Labs	35
Weighbridges	88
Railway Sidings	42

2. GPS based Vehicle Tracking System of Coal Tippers running in Mines. Total Requirement (Coal Tippers) – 2691 Vehicles (as per monthly vehicle report). Installed GPS (Coal Tippers) – 2691 Vehicles.

(c): Yes Sir, other subsidiaries of Coal India Limited have also provided CCTV Surveillance System and GPS based VTS System for tracking the movement of authorized coal transport vehicle

(d): The detail in respect of other Subsidiaries of CIL having e-Surveillance through CCTV and GPS based VTS System is being provided as below on the basis of information received from respective subsidiaries:

CCTV Surveillance:

Subsidiaries of CIL	Total No. of CCTV Cameras deployed at vulnerable locations viz. Weighbridges, Sidings, Workshops, Offices, Stores, View point & Coal Stocks.
CCL	1989
NCL	1284
WCL	555
BCCL	615
ECL	2745
SECL	1359
TOTAL	8547

GPS based VTV System:

Subsidiaries of CIL	Number of Coal Transport Vehicles fitted with GPS based VTS system for monitoring of internal coal transport.
CCL	3150
NCL	403
WCL	1070
BCCL	589
ECL	1479
SECL	1243
TOTAL	7934

(e): The present system indicated above can track/monitor the movement of subsidiaries authorized coal transport vehicles passing through the prescribed route from mine to stock/railway siding or vice versa.

In NLC India Ltd. E-surveillance can track illegal coal mining through CCTV, RFID & GPS based vehicle tracking system helps to manage and monitor the Diesel pilferage, Coal production and also transportation of various trucks' movement in mines leading to prevention of

illegal coal mining. E-surveillance avoids Coal pilferage and unauthorized entry of persons and vehicle in Mine boundary area. Surveillance through Geo-fence raise alert if vehicle moves out of mine boundary area.

In SCCL, GPS/GPRS based Vehicle Tracking System (VTS) on BOO concept is in operation throughout the company in all the mines to curb pilferage of coal during transport since 2016. Further, 1082 nos. CCTV cameras were installed at conspicuous locations like Weigh-bridge, Railway sidings, Manway muster booking, Stores distribution points, Opencast Diesel bunkers and FOIS (Freight Operations Information System) locations etc. as part of surveillance system. In case of deviation of route, additional stoppages of vehicle or over speed, crossing of ego-fencing, the concerned officers will get SMS alerts. The present E-surveillance set-up is effective to curb pilferage of coal during transport in SCCL.
