

**GOVERNMENT OF INDIA  
COAL  
LOK SABHA**

STARRED QUESTION NO:224  
ANSWERED ON:14.03.2007  
UTILIZATION OF HEAVY EARTH MOVING MACHINES  
Shaheen Shri Abdul Rashid

**Will the Minister of COAL be pleased to state:**

- (a) whether Heavy Earth-Moving Machines (HEMM) are not being utilised or under-utilised in opencast and underground mining activities by all the subsidiaries of Coal India Limited (CIL);
- (b) if so, the details thereof;
- (c) whether the subsidiaries of CIL have failed to achieve the norms fixed by Central Mine Planning and Design Institute Limited (CMPDIL) in this regard;
- (d) if so, the reasons for under utilization of the Heavy Earth-Moving Machines;
- (e) the total number of Heavy Earth-Moving Machines, subsidiary-wise; and
- (f) the steps taken to improve the utilization of HEMMs?

**Answer**

THE MINISTER OF STATE IN THE MINISTRY OF COAL (DR.DASARI NARAYANA RAO)

(a) to (f) A statement is laid on the Table of the House

Statement referred to in reply to parts (a) to (f) of Lok Sabha Starred Question No. 224 asked by Shri Abdul Rashid Shaheen for reply on 14.3.2007.

(a) & (b): Heavy Earth Moving Machines (HEMM) are being utilised only in the opencast mines of all coal producing subsidiaries of Coal India Limited (CIL). The utilisation of major HEMM in CIL over last three years is given as under:

Utilization of HEMM as % of Central Mine Planning & Design Institute Limited (CMPDIL) Norms

EQUIPMENT	2003-04	2004-05	2005-06	2006-07
(UPTO FEB)				
DRAGLINE	109	111	107	107
SHOVEL	76	79	83	84
DUMPER	66	70	72	72
DOZER	57	61	61	61
DRILL	62	68	76	74

(c) & (d): Yes, Sir. Apart from Dragline, the achievement of Central Mine Planning & Design Institute Limited (CMPDIL)'s norms by the HEMM deployed in various subsidiaries of CIL in their mines/projects has been varying for different factors. The major ones are: strata conditions, depletion of reserves, presence of active fires, working over depillared area, frequent local agitations, land/ forest land availability, equipment age, inclemental weather, spares availability, tyres availability, etc.

(e): The total number of HEMM subsidiary wise is given as

under:

Equipment	Eastern	Bharat	Central	Mahandi	South	Western	Northern	CIL
Ltd.	Coal	Coal	Coal	Coal	Coal	Coal	Coal	
Ltd.	Ltd.	Ltd.	Ltd.	Ltd.	Ltd.	Ltd.	Ltd.	
1	2	-	6	9	4	19	41	
Dragline								
Shovel	66	157	121	61	55	162	111	733
Dumper	261	613	590	400	321	715	545	344
5								
Dozer	95	131	168	103	155	172	176	100
0								
Drill	47	144	146	89	108	113	135	782

(f): The following major steps are being taken to improve utilization of HEMM:

1. Task force at the subsidiary level and area level have been constituted and utilisation of HEMM is being monitored closely.
2. Advance planning for procurement of spares, introduction of Maintenance and Repair Contract (MARC) with Original Equipment Manufacturer (OEM) for equipment life at the time of procurement & creating fully equipped workshop facilities are being followed.
3. Standardisation of equipment for better control on inventories, construction and maintenance of proper haul roads to reduce down time of dumpers and improved blasting for better fragmentation for proper handling and reducing down time of equipment are being implemented.
4. Staggering of shift duty timing and hot seat exchange to reduce delays and providing Mobile facilities like Canteen, Crane etc. at working face to save on time.
5. Integrated Mine Management System/Global Positioning System in large mines to monitor movement of HEMM.
6. Mismatch of digging & transport capacity in projects is being eliminated.