

**GOVERNMENT OF INDIA
COAL
LOK SABHA**

UNSTARRED QUESTION NO:2714
ANSWERED ON:17.08.2011
DILAPIDATED CONDITION OF MACHINES
Bali Ram Dr. ;Begum Tabassum ;Patle Kamla Devi

Will the Minister of COAL be pleased to state:

- (a) the details of machines and other parts purchased by Coal India Limited (CIL) and its subsidiary companies during the last three years alongwith the funds spent thereon, company-wise and State-wise and the details of production increased as a result thereof;
- (b) whether most of these equipments are either lying non-functional or are in poor condition;
- (c) if so, the details thereof and the reasons therefor alongwith the loss incurred to the various subsidiary companies as a result thereof, company-wise and the action taken by the Government in this regard;
- (d) whether procurement of machines and other parts are decreasing in various subsidiaries of CIL;
- (e) if so, the details thereof and the reasons therefor;
- (f) the norms for procurement, the availability and the use of machine vis-a vis the said norms; and
- (g) the steps taken/proposed to be taken by the Government for procurement and use of the machines according to said norms?

Answer

MINISTER OF THE STATE IN THE MINISTRY OF COAL (SHRI PRATIK PRAKASHBAPU PATIL)

(a) & (b): As reported by Coal India Ltd. (CIL), subsidiary-wise details of major Heavy Earth Moving Machinery (HEMM) /Under Ground Mining Machinery (UGMM) purchased/commissioned during the last three years are given below:

(i) ECL (West Bengal/Jharkhand)

Equipment 2008-09 2009-10 2010-11 Total

Shovel	6	3	7	16
Dumper	30	15	10	55
Dozer	17	1	9	27
Drill	2	-	-	2
SDL	31	38	26	95
LHD	-	-	16	16

Total 86 57 68 211

(ii) BCCL (Jharkhand)

Equipment 2008-09 2009-10 2010-11 Total

Shovel	8	3	16	27
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Dumper	60	-	38	98
Dozer	16	14	5	35
Drill	7	-	8	15

Total	91	17	67	175
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(iii) CCL (Jharkhand)

Equipment	2008-09	2009-10	2010-11	Total
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Shovel	7	15	5	27
Dumper	97	71	13	181
Dozer	23	14	14	51
Drill	11	-	-	11

Total	138	100	32	270
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(iv) SECL (Chhattisgarh/Madhya Pradesh)

Equipment	2008-09	2009-10	2010-11	Total
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Shovel	6	7	8	21
Dumper	110	49	20	179
Dozer	16	15	-	31
Drill	21	1	8	30
SDL	18	36	18	72
LHD	24	95	-	119
UDM	41	7	48	

Total	195	244	61	500
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SECL has also purchased Continuous miner package in 2010 for an amount of Rs. 39.78 crores (FOB Price) for their Sheetaldhara-Kurja UG min. The machine has been deployed in Madhya Pradesh. The machine has produced nearly 80,000 tonnes of coal, till June'11.

(v) WCL (Maharashtra)

Equipment	2008-09	2009-10	2010-11	Total
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Shovel	5	16	9	30
Dumper	57	77	18	152
Dozer	17	1	25	43
Drill	8	-	-	8
SDL	14	20	20	54
LHD	12	10	27	49
UDM	8	-	21	29

Total 121 124 120 365

(vi) NCL (Uttar Pradesh/ Madhya Pradesh)

Equipment 2008-09 2009-10 2010-11 Total

Draglines	-	2	2	4
Shovel	1	7	9	17
Dumper	14	84	23	121
Dozer	18	4	11	33
Drill	6	7	10	23

Total 39 104 55 198

(vii) MCL (Orissa)

Equipment 2008-09 2009-10 2010-11 Total

Shovel	9	30	12	51
Dumper	11	44	131	186
Dozer	20	5	8	33
Drill	-	-	22	22
LHD	-	-	12	12
UDM	-	-	12	12
SDL	-	-	19	19

Total 40 79 216 335

G. Total 710 725 619 2054

(i, ii, iii,
iv, v, vi, & vii)

None of the above mentioned equipments are lying non functional or are in poor condition.

The value of equipment and spare parts purchased by CIL subsidiary companies during the last three years are given below:-

Subsidiary 2008-2009 2009-2010 2010-2011
Company

Value in Rs. Crores Value in Rs. Crores Value in Rs. Crores

Equipment Spare Parts Equipment Spare Parts Equipment Spare Parts

ECL	101.88	252.96#	45.87	275.99#	54.43	293.82#
BCCL	98.38	40.21	79.74	23.62	323.54	15.43
CCL	187.36	186.64	185.31	186.66	104.89	193.18
WCL	198.44	355.74	163.76	331.03	170.56	354.57
SECL	191.74	86.23	117.90	155.50	202.24	56.39
NCL	85.94	473.41	641.67	446.81	459.02	452.84
MCL	20.95	150.96	421.16	27.78	236.10	30.21

ECL# => Value of stores and spares purchased by ECL.

The raw coal production in Million tonnes of CIL \during the last four years are as under:

Company	2010-11	2009-10	2008-09	2007-08
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ECL	30.804	30.06	28.13	24.06
BCCL	29.004	27.51	25.51	25.22
CCL	47.520	47.08	43.24	44.15
NCL	66.253	67.67	63.65	59.62
WCL	43.654	45.74	44.70	43.51
SECL	112.705	108.01	101.15	93.79
MCL	100.280	104.08	96.34	88.01
NEC	1.100	1.11	1.01	1.10
CIL	431.320	431.26	403.73	379.46

(c): Not applicable in view of the reply given in part (a) above.

(d) & (e): The procurement of equipment depends on the need for new equipments as per the project taken up and the replacement cycle of the existing equipments in different mines/projects. The trend can be seen from the tables above that the equipment purchased in CIL shows a mixed trend.

(f) & (G): Equipment are procured by CIL either as per provision of the Project Report or against surveyed off equipment as replacement. Spares are also procured by CIL as per the projected requirement. The percentage availability and utilization of the major Heavy Earth Moving Machines during the last three years i.e. 2008-09, 2009-10 and 2010-11 vis-À-vis CMPDIL norms is given below:

Percentage Availability vis-À-vis CMPDIL norms:

M/c	CMPDIL	Year	ECL	BCCL	CCL	NCL	WCL	SECL	MCL
Norms									

Shovel	80	2010-11	78.2	76.6	80.7	77.3	82.7	86.0	79.8
		2009-10	77.5	80.1	84.5	70.4	87.5	86.0	85.9
		2008-09	77.0	84.1	90.2	67.8	81.5	85.0	91.5

Dumper	67	2010-11	75.2	73.5	71.0	74.2	78.2	68.0	83.6
		2009-10	78.9	80.7	80.8	71.5	85.2	72.0	81.1
		2008-09	80.1	84.4	80.2	71.5	86.9	78.0	92.0

Dozer	70	2010-11	81.7	73.2	73.3	81.0	81.8	77.0	78.2
		2009-10	81.2	81.4	79.7	83.8	80.7	84.0	80.6
		2008-09	86.0	85.9	87.3	86.5	85.4	92.0	87.6

Drill	78	2010-11	78.7	73.0	88.3	90.1	87.2	86.0	85.9
		2009-10	83.1	73.4	91.2	88.5	93.3	92.0	-
		2008-09	87.1	84.4	86.3	80.7	91.7	93.0	-

Percentage Utilization vis-à-vis CMPDIL norms:

M/c CMPDIL Year ECL BCCL CCL NCL WCL SECL MCL
Norms

Shovel	58	2010-11	41.1	52.6	46.8	50.0	56.4	58.0	40.5
	2009-10	44.7	56.6	53.3	51.0	61.4	62.0	48.5	
	2008-09	43.0	57.2	49.7	38.0	62.3	48.0	56.8	

Dumper	50	2010-11	49.6	46.0	43.2	49.5	53.5	38.0	34.7
	2009-10	49.8	47.5	49.3	44.5	57.9	44.0	39.8	
	2008-09	54.5	52.5	48.1	45.2	58.9	50.0	42.1	

Dozer	45	2010-11	38.1	41.7	35.0	34.1	49.8	39.0	42.3
	2009-10	43.0	45.5	43.7	33.7	50.9	40.0	48.1	
	2008-09	50.4	45.1	50.6	37.1	55.6	44.0	51.3	

Drill	40	2010-11	40.4	29.6	45.1	22.0	33.7	31.0	40.1
	2009-10	40.8	26.8	43.5	23.2	32.2	44.0	-	
	2008-09	42.1	23.0	37.7	17.2	35.3	39.0	-	

The utilization of the equipment is getting adversely affected for various reasons like non-availability of land due to forest or inhabitation, Law & order problem, difficult geo-mining conditions, fire in working coal seams, excessive rainfall, MCC bandhs (in CCL) etc. However, following steps have been taken for improvement of availability and utilization of equipment:

Effective implementation of Condition Based Monitoring of HEMM.

Improvement of Reliability of HEMM by planned maintenance & repair.

Introduction of MARC (Maintenance and Repair Contract) with Original Equipment Manufacturer. All HEMM of high capacity are covered under MARC.

Streamlining policy for procurement of spare parts for ensuring timely availability of spares to reduce downtime of equipment. Entering into Depot Agreement with various OEMs.

Skill up-gradation of technical crew by imparting training on Simulators. Tenders floated for procurement of simulators in most of the subsidiaries.

Introduction of higher capacity equipments and standardizing their capacity.

Introduction of GPS based OITDS for tracking and monitoring of the movement of individual equipment for its better utilization.

Introduction of Mechanized Drilling Machines for improving coal availability in mines where SDL and LHD are deployed.