

**GOVERNMENT OF INDIA
MINISTRY OF COAL
LOK SABHA**

**UNSTARRED QUESTION NO. 4322
TO BE ANSWERED ON 21.03.2018**

Reduction in Carbon Footprints

4322. SHRI K.N. RAMACHANDRAN:

Will the Minister of COAL be pleased to state:

- (a) whether the Government has taken adequate measures to reduce carbon footprints by reducing the production, supply and use of coal in various industries in the country;
- (b) if so, the details thereof;
- (c) whether Coal India Limited and its subsidiaries had given any specific reply to the Government in this regard, if so, the details thereof; and
- (d) the current status of coal production, supply and use for the ongoing projects and for the newly proposed projects of CIL and its subsidiaries as well as NLC India?

ANSWER

**MINISTER OF COAL AND RAILWAYS
(SHRI PIYUSH GOYAL)**

(a) to (c): Government of India has already taken several initiatives to improve the efficiency of coal based power plants and to reduce its carbon footprint. All new, large coal-based generating stations have been mandated to use the highly efficient supercritical technology.

Renovation and Modernization (R&M) and Life Extension (LE) of existing old power stations is being undertaken in a phased manner. About 144 old thermal stations have been assigned mandatory targets for improving energy efficiency. Coal beneficiation has been made mandatory. Introduction of ultra-supercritical technology, as and when commercially available is part of future policy. Besides, stringent emission standards being contemplated for thermal plants would significantly reduce emissions.

To promote cleaner and alternate use of coal, CIL is pursuing initiatives for setting up plants for gasification of coal and its further processing into downstream chemicals. In this direction, CIL has formed a JV company along with RCF, GAIL and FCIL namely; Talcher Fertilizers Limited (TFL) to set up a coal based Ammonia-Urea plant at Talcher, Odisha, through Surface Coal Gasification route.

(d): The current status of coal production of ‘ongoing projects’ of CIL is as follow:

Subsidiary	Total ongoing Projects	Total Sanctioned Capacity (MTY)	Coal Production till Feb’2018 (MT)
ECL	12	22.92	13.85
BCCL	5	12.95	2.53
CCL	15	57.72	17.30
NCL	4	65.00	50.80
WCL	26	45.16	15.42
SECL	34	203.24	75.13
MCL	16	167.83	71.22
NEC	4	1.20	0.00
Total CIL	116	576.02	246.25

Sector wise coal supply from CIL during 2017-18 (upto Feb’18) is as under:

(in Million tonnes)

Sectors	Actual Dispatch 2017-18 (up to Feb’18) (Provisional)
Power	411.30
Fertilizer	1.76
Steel	2.67
CPP	33.43
Cement	3.25
Sponge Iron	5.56
Others	67.11
Total	525.09

The current status of coal production of ‘ongoing projects’ of NLCIL is as follows:

NLCIL, at present operates 3 lignite mines (28.5 MTPA) linked to 4 pit head power stations at Neyveli (2990), one lignite mine (2.1 MTPA) linked to pit head power station at Barsingsar, Rajasthan (250 MW). NLCIL uses the Lignite produced in its mines to the linked pit head power plants. Also a small quantity of lignite is being sold to an Independent power producer and small scale industries.

New mining projects of NLCIL are:

- Expansion of Mine-I 10.50 MTPA (Area Expansion) & Expansion of Mine- IA (From 3.0 MTPA To 7.0 MTPA)
- Hadla Lignite Mine (1.9 MTPA) and Bithnok Lignite Mine (2.25 MTPA) at Rajasthan.
- Mine-III project at Neyveli (11.5 MT per Annum)
- South of Vellar at Tamilnadu (11.5 MT per Annum) –(as a replacement for Mine-I&II)
- Pachwara South in Jharkhand (11 MTPA) –allocated on 25.07.2013.
- Talabira-II & III in Orissa (20 MTPA) – allocated on 02.05.2016.
