

**GOVERNMENT OF INDIA
MINISTRY OF COAL**

**LOK SABHA
UNSTARRED QUESTION NO. 654
TO BE ANSWERED ON 05.02.2020**

REDUCTION OF CARBON FOOTPRINTS

654. SHRI THIRUNAVUKKARASAR SU:

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 the Coal India Limited (CIL) and its subsidiaries had given any specific reply to the Government in this regard and 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 PARLIAMENTARY AFFAIRS, COAL AND MINES
(SHRI PRALHAD JOSHI)**

(a) & (b): Government has taken balanced approach to reduce carbon footprints. The share of fossil fuel based energy generation has been reduced and there is thrust to promote non-fossil fuel based energy resources. Specific measures have been taken by the Government to reduce emission intensity, thus reducing carbon footprints with a view:

- To achieve about 40 percent cumulative electric power installed capacity from non-fossil fuel based energy resources by 2030 with the help of transfer of technology and low cost international finance including from Green Climate Fund (GCF).
- To create an additional carbon sink of 2.5 to 3 billion tonnes of CO₂ equivalent through additional forest and tree cover by 2030.
- To generate alternative sources of energy, like solar power.

(c): Coal India Limited (CIL) & its subsidiaries have given stress on reduction of carbon footprint by technology upgradation in mining, exploring alternative source of energy (like generation of solar power), create additional forest & green cover, and installation of LED &

solar light etc. SCCL has also planned to install 300 MW solar power plants in next 2-3 years to reduce the carbon footprints.

(d): Current status of coal production, supply for the ongoing projects and newly proposed projects of CIL and its subsidiary companies in FY 2018-19 having sanction capital Rs. 150 Crore are as follows:

| S.No | SUB | PROJECT | TYPE | TOTAL CAPCITY (MTY) | PROD 2018-19 (MT) |
|------|------|-----------------------------------|------|---------------------|-------------------|
| 1 | ECL | JHANJRA COMBINED | UG | 3.50 | 3.38 |
| 2 | ECL | PARASEA BELBAID | UG | 2.07 | 0.00 |
| 3 | ECL | SIDULI UG+OC | UG | 2.32 | 0.11 |
| 4 | ECL | TILABONI | UG | 1.86 | 0.00 |
| 5 | ECL | CHITRA EAST RCE | OC | 2.50 | 2.03 |
| 6 | ECL | HURA C | OC | 3.00 | 0.00 |
| 7 | ECL | NAKRAKONDA KUMARDI B | OC | 3.00 | 0.00 |
| 8 | ECL | SONEPUR-BAZARI COMB. | OC | 8.00 | 10.03 |
| 9 | BCCL | KAPURIA BLOCK | UG | 2.00 | 0.00 |
| 10 | BCCL | MOONIDIH XV SEAM | UG | 2.50 | 0.00 |
| 11 | BCCL | MURAI DIH | UG | 2.00 | 0.00 |
| 12 | BCCL | NORTH TISRA SOUTH TISRA EXPANSION | OC | 6.00 | 2.25 |
| 13 | CCL | CHURI-BENTI CM | UG | 0.81 | 0.00 |
| 14 | CCL | PAREJ EAST RPR | UG | 0.51 | 0.00 |
| 15 | CCL | PIPARWAR PH-1 | UG | 0.87 | 0.00 |
| 16 | CCL | AMRAPALI | OC | 12.00 | 10.20 |
| 17 | CCL | KALYANI | OC | 2.00 | 0.00 |
| 18 | CCL | KARMA | OC | 1.00 | 0.65 |
| 19 | CCL | MAGADH EXPN. | OC | 20.00 | 4.90 |
| 20 | CCL | NORTH URIMARI EXPN | OC | 7.50 | 2.97 |
| 21 | CCL | PICHRI | OC | 1.20 | 0.00 |
| 22 | CCL | RAJRAPPA RCE | OC | 3.00 | 1.33 |
| 23 | CCL | TAPIN | OC | 2.50 | 1.69 |
| 24 | CCL | TETARIAKHAR UCE | OC | 2.50 | 1.03 |
| 25 | NCL | BLOCK - B EXPN. OCP | OC | 8.00 | 0.00 |
| 26 | NCL | DUDHICHUA EXPN | OC | 20.00 | 15.50 |
| 27 | NCL | JAYANT EXPN | OC | 20.00 | 18.37 |
| 28 | NCL | KHADIA EXPN. | OC | 10.00 | 11.40 |
| 29 | NCL | SIMARIA | OC | 2.00 | 0.00 |
| 30 | WCL | DHANKASA | UG | 1.00 | 0.00 |
| 31 | WCL | JAMUNIA | UG | 0.84 | 0.00 |
| 32 | WCL | GANDHIGRAM | UG | 1.26 | 0.00 |
| 33 | WCL | ADASA UG to OC | OC | 1.50 | 0.00 |
| 34 | WCL | AMALGAMATED INDER KAMTEE DEEP OC | OC | 3.20 | 0.00 |
| 35 | WCL | AMALGAMATED PAUNI II & III | OC | 3.25 | 0.60 |

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|----|------|-------------------------------|----|-------|-------|
| 36 | WCL | AMALGAMATED YEKONA-I & II | OC | 2.75 | 0.11 |
| 37 | WCL | BELLORA NAIGAON DEEP | OC | 1.00 | 0.00 |
| 38 | WCL | BHANE GAON RPR | OC | 1.00 | 0.54 |
| 39 | WCL | BHATADIH EXPN. | OC | 0.98 | 0.98 |
| 40 | WCL | DHUPTALA (SASTI UG to OC) | OC | 2.50 | 0.00 |
| 41 | WCL | DINESH (MAKRADHAKRA-III) | OC | 4.00 | 3.26 |
| 42 | WCL | DURGAPUR EXTN DEEP OC | OC | 3.00 | 1.54 |
| 43 | WCL | GONDEGAON GHATROHAN AMLG RPR | OC | 3.50 | 3.50 |
| 44 | WCL | GOURI DEEP | OC | 0.40 | 0.60 |
| 45 | WCL | KOLAR PIMPRI EXTN | OC | 1.50 | 1.32 |
| 46 | WCL | MUGOLI NIRGUDA EXTENSION DEEP | OC | 3.50 | 3.78 |
| 47 | WCL | NEW MAJRI UG TO OC | OC | 0.80 | 1.20 |
| 48 | WCL | NILJAI EXPN DEEP | OC | 3.50 | 3.05 |
| 49 | WCL | PENGANGA | OC | 4.00 | 6.30 |
| 50 | WCL | SAONER-I UG TO OC, PH-I | OC | 1.30 | 0.00 |
| 51 | WCL | SINGHORI | OC | 0.85 | 0.80 |
| 52 | WCL | UKNI DEEP | OC | 2.00 | 0.00 |
| 53 | WCL | VISHNUPURI UG TO OC | OC | 2.00 | 0.00 |
| 54 | SECL | BATURA HIGHWALL | UG | 0.50 | 0.00 |
| 55 | SECL | AMADAND RPR | OC | 4.00 | 1.90 |
| 56 | SECL | AMERA UCE | OC | 1.00 | 0.29 |
| 57 | SECL | AMGAON RCE | OC | 1.00 | 0.13 |
| 58 | SECL | AMRITDHARA | OC | 2.00 | 0.00 |
| 59 | SECL | BAROUD EXPANSION RCE | OC | 3.00 | 1.39 |
| 60 | SECL | BIJARI RCE | OC | 1.50 | 0.00 |
| 61 | SECL | CHHAL SEAM-III | OC | 6.00 | 0.00 |
| 62 | SECL | DURGAPUR | OC | 6.00 | 0.00 |
| 63 | SECL | GEVRA EXPN | OC | 70.00 | 42.25 |
| 64 | SECL | JAGANNATHPUR RCE | OC | 3.00 | 0.00 |
| 65 | SECL | JHIRIA WEST | OC | 1.50 | 0.00 |
| 66 | SECL | KANCHAN EXPN | OC | 2.00 | 0.58 |
| 67 | SECL | KARTALI EAST | OC | 2.50 | 0.00 |
| 68 | SECL | KUSMUNDA EXPN | OC | 50.00 | 40.00 |
| 69 | SECL | MADANNAGAR | OC | 12.00 | 0.00 |
| 70 | SECL | MAHAMAYA UG TO OC | OC | 1.50 | 0.23 |
| 71 | SECL | MALACHUA | OC | 3.00 | 0.00 |
| 72 | SECL | MANIKPUR EXPN. | OC | 3.50 | 4.53 |
| 73 | SECL | PELMA | OC | 15.00 | 0.00 |
| 74 | SECL | RAJNAGAR RPR | OC | 1.70 | 0.10 |
| 75 | SECL | RAMPUR BATURA | OC | 4.00 | 0.00 |
| 76 | SECL | VIJAY WEST | OC | 3.00 | 0.00 |
| 77 | MCL | ANANTA EXPN.PH-III | OC | 15.00 | 8.25 |
| 78 | MCL | BALARAM EXTN. | OC | 8.00 | 3.63 |
| 79 | MCL | BASUNDHARA WEST EXTN. | OC | 7.00 | 2.46 |
| 80 | MCL | BHARATPUR REORGANISATION | OC | 20.00 | 10.64 |

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|----|-----|-------------------------------|----|--------|--------|
| 81 | MCL | BHUBANESWARI | OC | 20.00 | 28.00 |
| 82 | MCL | GARJANBAHAL | OC | 10.00 | 2.811 |
| 83 | MCL | HINGULA-II EXPN.PH-III | OC | 15.00 | 6.23 |
| 84 | MCL | JAGANNATH RO PH-III EXTENSION | OC | 6.00 | 5.01 |
| 85 | MCL | KANIHA | OC | 10.00 | 6.62 |
| 86 | MCL | KULDA | OC | 15.00 | 12.81 |
| 87 | MCL | KULDA EXPN | OC | 0.00 | 0.00 |
| 88 | MCL | LAKHANPUR BELPAHAR LILARI | OC | 30.00 | 0.00 |
| 89 | MCL | SIARMAL | OC | 40.00 | 0.00 |
| | | TOTAL | | 595.97 | 291.26 |

Coal production in respect of NLC India Limited has not started till date.
