

GOVERNMENT OF INDIA  
MINISTRY OF COAL

**LOK SABHA**  
**UNSTARRED QUESTION NO. 1710**  
**TO BE ANSWERED ON 10.12.2025**

**Initiatives to Reduce Carbon Emission**

**1710: Shri Baijayant Panda:**

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

- (a) the initiatives taken by the Government to reduce carbon emissions in the coal sector particularly in transportation and mining operations;
- (b) the number of coal transportation projects using First Mile Connectivity that have been completed during the last five years; and
- (c) the details of the estimated reduction in emissions achieved through these projects?

**ANSWER**

**MINISTER OF COAL AND MINES**  
**(SHRI G. KISHAN REDDY)**

(a) Ministry of Coal has taken following initiatives to reduce carbon emissions in transportation and mining operations:

- i. Implementation of first mile connectivity projects to reduce road transportation;
- ii. Implementation of solar power projects;
- iii. Implementation of energy conservation measures such as use of LED lights, Energy Efficient ACs, Super Fans, Efficient Water Heaters, and Auto Timers in Street Lighting and Capacitor Banks in the mines, colonies and office buildings; and
- iv. Reclamation and plantation in coal mining areas.

(b) & (c) 22 first-mile connectivity projects having capacity of 252.5 MT have been implemented in coal PSUs since FY 2021. This has taken the total number of first-mile connectivity projects to 65 with total capacity of 552 MT.

There is an estimated reduction of 3.3 lakh tonnes of CO<sub>2</sub> equivalent per annum at full capacity on account of shift of coal transport from diesel trucks to energy-efficient rapid loading and rail systems from these 65 projects.

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