

GOVERNMENT OF INDIA  
MINISTRY OF COAL  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 235**  
TO BE ANSWERED ON 24.07.2024

**MISSION LIFE**

235. Shri K. Radhakrishnan  
Shri Sukhdeo Bhagat

Will the Minister of Coal be pleased to state:

- (a) the measures taken by the Government under Mission Life to promote sustainable and environmental-friendly coal mining practices;
- (b) the details of the budgetary outlay to fund Research and Development (R&D) in the coal sector since the year 2019;
- (c) the number of coal mines abandoned, closed or discontinued by Coal India Limited (CIL) during the last five years; and
- (d) the technologies being adopted by CIL in its underground and opencast mines to enhance their sustainability and efficiency?

**ANSWER**

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

**(a):** Coal companies under the guidance of the Ministry of Coal have implemented 10 Actions items under various categories of Mission LiFE action to promote sustainable and environment-friendly coal mining practices in the Coal Sector as indicated in the Annexure.

**(b):** The budgetary outlay to fund Research and Development (R&D) in the coal sector since the year 2019 is given table below:

Year	Budgetary Outlay (in ₹ Crores)	Actual Released (in ₹ Crores)
2019-20	22.00	18.78
2020-21	12.00	9.97
2021-22	11.50	8.35
2022-23	8.35	6.94
2023-24	18.00	18.00

**(c):** During the last five years, 24 coal mines have been abandoned, 20 coal mines have been discontinued and no coal mine has been closed in Coal India Limited (CIL).

**(d):** The technologies adopted by CIL in its underground and opencast mines to enhance their sustainability and efficiency are as under:

- Surface Miner to eliminate the drilling, blasting, and crushing operations.
- Xcentric rippers for blast-less overburden removal.
- Continuous miner and High wall mining for blast-free clean coal technology in underground mines
- 'First Mile Connectivity' projects to minimize road transportation.
- Water sprinklers and Fog canons to mitigate air pollution.
- Drills fitted with wet drilling and dust extractors to control the generation of dust.
- Dedicated coal corridors for coal transportation.
- Effluent treatment plants for the treatment of workshop effluent & Coal Handling Plant.

## Annexure

S. No.	Category of Mission Life Action	Action Items
1.	Energy Saved	Use of LED bulbs/ tube-lights
		Prefer CNG/ EV vehicle over petrol/ diesel vehicles
		Install a solar systems on rooftops
2.	Water Saved	Participate in recharge of rural water bodies including development of Mining voids for water conservation.
		Create rainwater harvesting infrastructure in home/ schools/ offices
3.	Single Use Plastic Reduced	Use cloth bag for shopping instead of plastic bags
		Participate in and mobilize participation for clean-up drives of coal mining townships/ villages and water bodies
4.	Healthy Lifestyles Adopted	Start biodiversity conservation at community level by developing of Eco-Parks and mining tourism sites..
		Plant trees to reduce the impact of pollution
5.	E-Waste Reduced	Discard gadgets in nearest e-recycling units

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