

**GOVERNMENT OF INDIA**  
**MINISTRY OF COAL**  
**LOK SABHA**  
**UNSTARRED QUESTION NO. †2573**  
**TO BE ANSWERED ON 11.12.2024**

**Sustainable Coal Mining**

**†2573. Dr. Prashant Yadaorao Padole:**

Will the Minister of COAL be pleased to state:

- (a) the steps taken by the Government to promote sustainable and environment-friendly coal mining practices under Mission Life;
- (b) the budgetary outlay for funding Research and Development (R&D) in coal sector during the last five years;
- (c) the details of coal mines which are abandoned, closed or decommissioned by Coal India Limited (CIL) during the last five years; and
- (d) the technologies being adopted by CIL in its underground and open cast mines to enhance 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 (Lifestyle for Environment) action to promote sustainable and environment-friendly coal mining practices under Mission LiFE as indicated in the **Annexure - 1**.

**(b):** The budgetary outlay for funding Research and Development (R&D) in coal sector during the last five years is given in the table below:

<b>Year</b>	<b>Budgetary Outlay (in ₹ Crores)</b>	<b>Actual Released (in ₹ Crores)</b>
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): The details of coal mines which are abandoned, closed or discontinued by Coal India Limited (CIL) during the last five years are given in the **Annexure – 2**.

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

- Surface Miner to eliminate the drilling, blasting, and crushing operations in opencast mines.
- Xcentric rippers for blast-less overburden removal.
- Continuous miner and High wall mining as blast-free 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.

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**Actions to Promote Sustainable and Environment-friendly Coal Mining Practices under  
Mission LiFE**

<b>Sl. No.</b>	<b>Category of Mission LiFE Action</b>	<b>Mission LiFE Action Items</b>
1.	Energy Saved	1. Use of LED bulbs/ tube-lights
		2. Prefer CNG/ EV vehicle over petrol/ diesel vehicles
		3. Install a solar system on rooftops
2.	Water Saved	4. Participate in recharge of rural water bodies including development of Mining voids for water conservation.
		5. Create rainwater harvesting infrastructure in home/ schools/ offices
3.	Single Use Plastic Reduced	6. Use cloth bag for shopping instead of plastic bags
		7. Participate in and mobilize participation for clean-up drives of coal mining townships/ villages and water bodies
4.	Healthy Lifestyles Adopted	8. Start biodiversity conservation at community level by developing of Eco-Parks and mining tourism sites.
		9. Plant trees to reduce the impact of pollution
5.	E-Waste Reduced	10. Discard gadgets in nearest e-recycling units

**Details of abandoned, closed or discontinued Coal Mines in CIL during the Last Five Years**

Sl. No.	State	Name of Subsidiary	Name of Coal Mine	Status of Coal Mine
1.	Assam	NEC	Ledo Opencast	Abandoned
2.	Assam	NEC	Tikak Opencast	Discontinued
3.	Assam	NEC	Tipong Underground	Abandoned
4.	Assam	NEC	Tirap Opencast	Discontinued
5.	Chhattisgarh	SECL	Bishrampur Opencast	Abandoned
6.	Chhattisgarh	SECL	Mahamaya Underground	Discontinued
7.	Chhattisgarh	SECL	Mahan Opencast	Discontinued
8.	Chhattisgarh	SECL	Pawan Underground	Abandoned
9.	Chhattisgarh	SECL	Surakachhar 3&4 Underground	Discontinued
10.	Chhattisgarh	SECL	Surakachhar Main Mine Underground	Discontinued
11.	Jharkhand	CCL	Piparwar Opencast	Abandoned
12.	Jharkhand	CCL	Sarubera Underground	Abandoned
13.	Jharkhand	CCL	Urimari Underground	Abandoned
14.	Jharkhand	ECL	Gopinathpur Opencast & Underground	Discontinued
15.	Madhya Pradesh	SECL	Jamuna RO (1&2) Underground	Abandoned
16.	Madhya Pradesh	SECL	Kapildhara Underground	Abandoned
17.	Madhya Pradesh	SECL	New Amlai Underground	Abandoned
18.	Madhya Pradesh	SECL	Pinoura Underground	Abandoned
19.	Madhya Pradesh	WCL	Barkuhi Opencast	Abandoned
20.	Madhya Pradesh	WCL	Bharat (Ghorawari-2) Opencast	Discontinued
21.	Madhya Pradesh	WCL	Damua Opencast	Abandoned
22.	Madhya Pradesh	WCL	Ganpati Underground	Abandoned
23.	Madhya Pradesh	WCL	Ghorawari/Jharna Underground	Abandoned
24.	Madhya Pradesh	WCL	Mohan Phase-IV Opencast	Discontinued
25.	Madhya Pradesh	WCL	New Sethia Opencast	Abandoned

<b>Sl. No.</b>	<b>State</b>	<b>Name of Subsidiary</b>	<b>Name of Coal Mine</b>	<b>Status of Coal Mine</b>
26.	Madhya Pradesh	WCL	Shobhapur Underground	Abandoned
27.	Madhya Pradesh	WCL	Vishnupuri-I Underground	Discontinued
28.	Maharashtra	WCL	AB-Incline Underground	Discontinued
29.	Maharashtra	WCL	CRC Underground	Abandoned
30.	Maharashtra	WCL	Mahakali Underground	Abandoned
31.	Maharashtra	WCL	Manna Underground	Abandoned
32.	Maharashtra	WCL	Murpar Underground	Abandoned
33.	Maharashtra	WCL	Padmapur Opencast	Abandoned
34.	Maharashtra	WCL	Pipla Underground	Discontinued
35.	Maharashtra	WCL	Sarni Underground	Abandoned
36.	Maharashtra	WCL	Sasti Underground	Abandoned
37.	Odisha	MCL	Orient Colliery, Mine no. 3 Underground	Discontinued
38.	West Bengal	ECL	Chinakuri I Underground	Discontinued
39.	West Bengal	ECL	Jemehari Underground	Discontinued
40.	West Bengal	ECL	Kalipahari Underground	Discontinued
41.	West Bengal	ECL	S S Incline Underground	Discontinued
42.	West Bengal	ECL	Sodepur (R) Underground	Discontinued