

## Ministry of Coal

## Demand No. 9

### 1. Research and Development (R&D) (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2024-25			OUTCOMES 2024-25		
	2024-25	Output	Indicators	Targets 2024-25	Outcome	Indicators
21.00 <sup>2</sup>	1. Research Project sanctioned and initiated in the new Thrust areas <sup>1</sup>	1.1 No. of research projects sanctioned during the year	4 <sup>2</sup>	1. Solutions provided from R&D projects successfully adopted	1.1 No. of new technological innovations/ solutions adopted in Coal Industry	1
		1.2 No. of on-going research projects completed during the year	3		1.2 No. of research papers published in peer reviewed journal	2
					1.3 No. of patent registered for new innovation in current FY	1

### 2. Conservation and Safety in Coal Mines & Development of transport infrastructure in coalfields

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2024-25			OUTCOME 2024-25			
	2024-25	Output	Indicators	Targets 2024-25	Outcome	Indicators	Target 2024-25
92 <sup>3</sup>	a.	Conservation and Safety in Coal Mines					

<sup>1</sup> Advanced technology/methodology for improvement of production & productivity from underground mining and open cast Mining, Improvement of safety, health and environment, Alternative use of coal and clean coal technologies, Coal beneficiation and utilization, Exploration

<sup>2</sup> Subject to receipt of potential project proposals and their approval.

<sup>3</sup> 20.00 + 72.00 = 92.00

1. Protective works taken in mines	1.1 Number of mines where protective works are taken up	8	1. Improvement in Safety	1.1. No. of surface features/structures protected during the year	3 <sup>4</sup>
2. Installation of tele monitoring system in UG mines	2.1 No. of mines where Tele-monitoring systems are installed during the year	1	2. Improvement of Safety	2.1 No. of persons benefitted in UG Mines from Telemonitoring system	400
	2.2 No of persons benefitted in UG Mines from Tele-monitoring system	1			
3. Replacement of Steam winders by Electrical winders in UG mines	3.1 No. of mines where electrical winders are installed during the year	3	3. Conservation of coal	3.1 Change in internal coal consumption from the previous FY (in thousand tonnes)	11 <sup>5</sup>
4. . Installation of Man-riding system	4.1 No. of mines where Man-riding systems are installed during the year	0	4. Improvement in working condition	4.1 No of Miners benefitted (nos)	0
5. Introduction of Modern Technology for enhancement of Safety	5.1 No. of mines where systems are installed during the year	4	5. Improvement of Safety and working condition	5.1 No. of Miners benefitted	1,600
<b>b. Development of transport infrastructure in coalfields</b>					
1. Road construction: Strengthening and widening of coal transportation road /wharf wall	1.1. Length of road constructed during the year (in km)	10.73	1. Improvement in mine infrastructure	1.1. No. of mines connected with roads during the year (nos.)	4

<sup>4</sup> 3 Nos/5 Nos Dousing of fire

<sup>5</sup> Approx value

	2. Rail line construction: renovation of track and extension of siding	2.1. Length of Rail line constructed during the year (in km)	16.92	2. Enhanced coal evacuation	2.1. Increase in coal evacuation (in Million Tonnes)	15.40 <sup>6</sup>
--	--	--	-------	-----------------------------	--	--------------------

---

<sup>6</sup> 9.90 + 5.50 = 15.40 million Te (approx.) per year