

Ministry of Coal

Demand No. 9

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

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
10	1. Research Project sanctioned and initiated in the new Thrust areas	1.1 No. of research projects sanctioned	3	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	4			

2. Exploration of Coal and Lignite (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOMES 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
250	1. Promotional (Regional) ¹ exploration	1.1 Length of drilling (in lakh meters) with 2D/3D Seismic Survey (in line-km with 24- fold CDP)	0.40	1. New resource to be added	1.1 Addition of new resource (in billion tonnes)	1.50
	1. Detailed Exploration	1.2 Length of drilling (in lakh meters)	1.60	2. Resource to be added in Proven category	2.1 Proven resources added in Billion tonnes	3.00

¹ Total exploration projects taken up in the North-Eastern Region may not be kept separately, since this are only a component of main schemes/sub-schemes as per the provision of the Government.

3. Conservation, Safety and Infrastructural Development in Coal Mines (CS)

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
54.54	a. Conservation and Safety in Coal Mines					
	1. Protective works taken in mines	1.1 No. of mines where protective works taken up	6	1. Improvement in Safety	1.1 Protection of surface features (Nos./area in sq. km)	1+5 ²
	2. Installation of tele monitoring system in UG mines	2.1 No. of mines where Tele-monitoring systems installed	Target not amenable.	2. Improvement in Safety	2.1 No of persons benefitted	Target not amenable ³
	2. Replacement of Steam winders by Electrical winders in UG mines	3.1 No. of mines where replacement electrical winders are installed	Target not amenable	3. Conservation of coal	3.1 Reduction in internal coal consumption (in thousand tonnes)	Target not amenable.
	3. Installation of Man-riding system	4.1 No. of mines where Man-riding systems installed	Target not amenable	4. Improvement in working condition	4.1 No of Miners benefitted	Target not amenable.
	b. Development of transport infrastructure in coalfields					

² Flushing of N₂ & CO₂ to prevent u/g fire – 1 no. Stabilisation of u/g workings under Rly. Line and other surface features– 5 Nos.

³ Not amenable due to insufficient target.

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
	Output	Indicators	Targets 2022-23	Outcome	Indicators	Targets 2022-23
2022-23	1. Road construction	1.1 Length of road constructed (in km)	Target not amenable.	1. Improvement in mine infrastructure	1.1 No. of mines benefitted (nos.)	Target not amenable ⁴ .
	2. Rail line construction	2.1 Length of Rail line constructed (in km)	Target not amenable.	2. Enhanced coal evacuation	2.1 Increase in coal evacuation (in Million Tonnes)	Target not amenable.
c. Environment Measures and Subsidence Control (EMSC)						
2022-23	1. Relocation of affected Population	1.1 No of Houses constructed for affected families in Jharia by JRDA	Targets not amenable ⁵	Rehabilitation of families in Jharia and Raniganj	1.1 No of BCCL families Rehabilitated in Jharia	Targets not amenable
		1.2 No of Houses constructed for Affected families in Raniganj by housing dept of WB	Targets not amenable		1.2 No of Non-BCCL Families rehabilitated in Jharia	Targets not amenable
		1.3 No of houses constructed by BCCL	Targets not amenable		1.3 No of families Rehabilitated in Raniganj	Targets not amenable

⁴ Only spill over amount from 2021-22 is to be reimbursed

⁵ All targets under EMSC sub-scheme are shown as "targets not amenable", because no fund under this scheme is being disbursed and only Rs. 0.5 Cr is allocated as notional provision.

FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2022-23			OUTCOME 2022-23		
	2022-23	Output	Indicators	Targets 2022-23	Outcome	Indicators
	2. Dealing with fire in Jharia	2.1 Reduction in areas affected by fire	Targets not amenable	Reduction in areas affected by fire	2.1 Dousing of fire (No of sites)	Targets not amenable