

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

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2019-20			OUTCOMES 2019-20		
2019-20	Output	Indicator(s)	Target 2019-20	Outcome	Indicator(s)	Target 2019-20
25	1. Research Project sanctioned and initiated in each of the four thematic areas: 'Improvement in production'; 'Productivity and safety in coal mines'; 'Coal beneficiation and utilization'; 'Protection of environment, ecology and reclamation'	1.1 No. of research projects sanctioned	2	1. Solutions provided from R&D projects successfully adopted	1.1 No. of new innovations adopted in solving problems in Coal Industry	4
		1.2 No. of on-going research projects completed	4		1.2 No. of new guidelines formulated based on R&D projects to scale up the innovation	3

2. Conservation, Safety and Infrastructure Development in Coal Mines (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2019-20			OUTCOMES 2019-20			
	2019-20	Output	Indicator(s)	Target 2019-20	Outcome	Indicator(s)	Target 2019-20
135	a. Conservation and safety in Coal Mines						
	1.	Protective works taken up in mines	1.1 No. of mines where protective works taken up	19	1. Improvement in safety and working condition along with introduction of technology	1.1 Addition in extractable coal reserve in UG mines in Lakh tonnes	4
						1.2 Protection of surface features (nos.)	9
	2.	Installation of Man-riding system in UG mines	2.1 No. of Man-riding systems installed	13		1.3 Number of miners benefitted	1200
	3.	Installation of tele-monitoring system	3.1 No of tele-monitoring system installed	0		1.4 No. of persons benefitted	600
	4.	Implementation of Jharia and Raniganj Master Plan	4.1 % expenditure on the budget provision as per cabinet approval	0.50		1.5 Dousing of fire (no of sites)	7
						1.6 Rehabilitation of families in Jharia. (numbers)	500
	b. Infrastructure Development in Coal Mines						
	1.	Road Construction	1.1 Road constructed (% length completed)	18.5	1. Enhanced Coal evacuation	1.1 Increase in Coal evacuated (in MT)	*
	2.	Rail line construction	2.1 Rail line constructed (%length completed)	13.9			

*Targets for this indicator not amenable

3. Exploration of Coal and Lignite (CS)

FINANCIAL OUTLAY (Rs. In Cr.)	OUTPUTS 2019-20			OUTCOMES 2019- 20		
	2019-20	Output	Indicator(s)	Target 2019- 20	Outcome	Indicator(s)
937	1. Promotional (Regional) exploration in Coal Blocks	1.1 Length of drilling (in lakh meters)	1.9	1. New resource to be added	1.1 Quantity in Billion tonnes	1.75
	2. Detailed Exploration in Non-CIL coal blocks	2.1 Length of drilling (in lakh meters)	4.1	2. Resource to be added in proven category	2.1 Proven reserves added in Billion tonnes	1.50