

PATRATU COAL BLOCK SUMMARY

PART A

Sr. No.	Features	Details
1.	Location	
	Coal Block	PATRATU BLOCK
	Latitude	23°40' 7" N to 23°41' 25" N (Provisional)
	Longitude	85°17' 4" E to 85°18' 22" E (Provisional)
	Topo Sheet No.	F45B2
	Coalfield	South Karanpura Coalfield
	Villages	Diesel Colony
	Tehsil/Taluka	
	District	Ramgarh
	State	Jharkhand
2.	Connectivity with Block	
	Nearest Rail Head	Patratu Railway station
	Road	Patratu is accessible by unmetalled road & forest tracks
	Airport	Birsa Munda Airport,Ranchi.
3.	Area	
	Geological Block Area	4.11 Sq.km.(As per shape file. Refer Note at the end)
	Forest Area	0.29 Sq.km.
	Non-Forest Area	3.82 Sq.km.
4.	Climate and Topography	
	Average Annual Rainfall	1215 mm
	Temperature (Min. — Max.)	25.6 °C
	Local Surface Drainage Channels	
	Rivers	Damodar
5.	Exploration	
	Status	Under Exploration (Drilling commenced on 09.06.2019)
	Exploration Agency	CMPDI
	Total Number of Boreholes with meterage proposed	Drilled 2 Boreholes with 1404.15m (GSI); Proposed Meterage : 25000m
	Borehole Density	7/Sqkm proposed
	General Dip of Seams	SSE to South

	General Strike Direction	E-W in general			
6.	Coal Seams & Reserve				
	Number of Coal Seams	Thickness Range (m)	Depth Range (m) (Floor)	Geological Reserve (MT)	Grade
1	SAUNDA TOP (X)	2.3-2.05	75.35-255.9	450	NA
2	UPPER SAYAL (IX)	1.46-7.84	98.56-300.44		
3	BALKUDRA (VIII)	11.11-12.29	137.61-351.99		
4	BALKUDRA 'A' (VII)	1.49-1.2	159.24-373.5		
5	BALKUDRA 'B'	1.46-1.46	388.36		
6	KURSE (VI)	5.2-5.55	189.2-400.85		
7	NAKARI	4-4.41	205.15-427.08		
8	UPPER SEMANA	3.2-2.7	227.2-454.3		
9	SEMANA 'A'	1.3-2.25	256.95-464.95		
10	SEMANA 'B'	0.9-0.9	266.05-467.4		
11	HATIDARI (V)	4.89-2	286.79-498		
12	BANSGARHA (IV)	5.89-5.56	315.27-526.01		
13	BANSGARHA 'A'	1.71-4.8	336.41-537.3		
14	BANSGARHA 'B'	1.22-1.22	544.98		
15	BANSGARHA 'C'	1.85-2.26	366.06-575.68		
16	UPPER SIRKA	2.25-2.05	400.25-611.1		
17	LOWER SIRKA	2.38-5.4	440.53-572.68		
18	ARGADA (III)	19.04-21.45	488.44-738.25		
19	ARGADA 'A'	8.94-8.94	522.2		
20	ARGADA 'B'	7.95-7.95	540.3		
21	ARGADA 'C'	3.17-3.17	589.53		
		Total Estimated		450	
7.	Surface Constraints	NA			
8.	Grade of the block	G8 (Provisional) based on weighted average grade assessed on the basis of data available from larger regionally explored block on Patratu and Patal East.			

Reference:

Final Report on Regional exploration for coal in Patratu and Patal East block, South Karanpura Coalfield, Hazaribagh District, Bihar, GSI, 1998.

PART B

Sr. No.	Features	Details
1.	Previous Allocation	
	Name of Allocatee	Jharkhand State Mineral Development Corporation
2.	Status of Mineral Exploitation	--
3.	Status of Clearances/Approvals	--

Note:

1. The data and block boundary inferred from the above Regional GR is provisional as there is no specific GR for Patratu block. No specific area of the referred block has been mentioned in the Regional GR of Patratu and Patal East block, GSI, hence the provisional area as derived from the shape file of the block has been mentioned in the present summary.
2. Geological Estimation is based on 2 GSI Boreholes drilled in the block area by GSI.
3. The above data is compiled from Geological Report, Mining Plan and the data furnished by the prior allottee in Annexure-I/II, as available. For clarifications with regard to above data, please refer aforesaid source documents.
4. The boundary of the block has been taken from GR after conversion to WGS84 system by feature matching. The block boundary is provisional and the cardinal points, bounding co-ordinates are approximate.
5. There is a difference in area in the shape file and GR. Area in the shape file is based on feature mapped plan of the block as given in the GR. So, the area is tentative and field DGPS survey is required to ascertain the exact area.