

## PANCHBHAINI COAL BLOCK SUMMARY

### PART A

Sr. No	Features	Details
<b>1. Location</b>		
	Coal Block	<b>Panchbhaini</b>
	Latitude	22° 56' 17" N to 22° 58' 15" N (Provisional)
	Longitude	82° 47' 25" E to 82° 50' 19" E (Provisional)
	Topo Sheet No.	64 J / 13
	Coalfield	Panchbhaini
	Villages	Lakshmipur, Doin (As per SOI Toposheet)
	Tehsil/Taluka	
	District	Surguja
	State	Madhya Pradesh
<b>2. Connectivity with Block</b>		
	Nearest Rail Head	Not mentioned in GR
	Road	Not mentioned in GR
	Airport	Not mentioned in GR
<b>3. Area</b>		
	Geological Block Area	12 sq.km. (As per shape file. Refer Note at the end)
	Forest Area	Approx. 15 % (as per FSI map)
	Non-Forest Area	Approx. 85 % (as per FSI map)
<b>4. Climate and Topography</b>		
	Average Annual Rainfall	Not mentioned in GR
	Temperature (Min. — Max.)	Not mentioned in GR
	Local Surface Drainage Channels	Drainage shows semi-radial pattern due to dome like structure in the south-eastern part of block. The main drainage in the block is represented by Geruana nala which is a tributary to Atem river
	Rivers	Atem river

<b>5.</b>	<b>Exploration</b>				
	Status	Regionally Explored			
	Exploration Agency	MECL			
	Total Number of Boreholes with meterage with proposed meterage	Drilled 12 Boreholes with meterage 1813 (MECL); Proposed Meterage : 8200m			
	Borehole Density	Approx. 1 Boreholes/sq.km.			
	General Dip of Seams	2° to 6° towards the center of the basin			
	General Strike Direction	Runs parallel to the periphery of the basin, In the central part of the block it is NW-SE			
<b>6.</b>	<b>Coal Seams &amp; Reserve : 11.003 MT gross indicated UG reserves</b>				
	Number of Coal Seams	Thickness Range (m)	Depth Range (m) (Floor)	Geological Reserve (MT)	Grade
	VII (workable seam)	1.28-2.21	11.81-43.03	8.4888	C to G
	VI (workable seam)	0.04-1.37	21.66-71.73	2.515	B to D
	V	0.05-0.95	25.75-78.30		
	IV	0.05-1.10	38.00-95.75		
	III	0.07-0.26	84.12-100.35		
	II	0.19-0.85	32.60-121.80		
	I (TOP)	0.02-0.50	68.05-128.14		
	I (BOT)	0.05-0.76	70.31-144.50		
		<b>Total</b>		<b>11.003</b>	
<b>7.</b>	<b>Surface Constraints</b>	NA			
<b>8.</b>	<b>Grade of the block</b>	G9 (Provisional) based on weighted average grade as per data available in Regional GR.			

### PART B

Sr. No.	Features	Details
<b>1.</b>	<b>Previous Allocation</b>	
	Name of Allocatee	Shree Radhe Industries Ltd.
<b>2.</b>	<b>Status of Mineral Exploitation</b>	--
<b>3.</b>	<b>Status of Clearances/Approvals</b>	--

**Note:**

1. The above data is compiled from Regional GR, 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.
2. The boundary of the block has been taken from Regional GR after conversion to WGS84 system by feature matching. The block boundary is provisional and the cardinal points, bounding co-ordinates are approximate.
3. There is a difference in area in the shape file and Regional GR. Area in the shape file is based on feature mapped plan of the block as given in the Regional GR. So, the area is tentative and field DGPS survey is required to ascertain the exact area.