

# SONDHIA COAL BLOCK SUMMARY

## PART A

Sl. No.	Features	Details			
<b>1.</b>	<b>Location</b>				
	Coal Block	<b>SONDHIA</b>			
	Coal Field	Tatapani Ramcola Coalfield			
	Latitude	23°37'05" N & 23°38'35" N (Provisional)	Topo Sheet No.		
	Longitude	83°14'0.0" E & 83°16'56" E (Provisional)	64 M/2 & M/6		
	Villages	Bartikala, Sabtripur, Injani, Bhagabanpur-Jirat, and Bhagabanpur-Khas			
	Tehsil/ Taluka	Wadрупnagar			
	District	Surguja			
	State	Chhattisgarh			
<b>2.</b>	<b>Area</b>				
	Geological Block Area	10.74 sq. Km (As per shape file; Refer Note No. 3)			
	Mining Lease Area	810 hectares (As per Mining Plan)			
	Forest Area	327.48 hectares (Including Chote-Bade Jhar ke Jungle)			
	Non Forest Area	482.52 hectares			
<b>3.</b>	<b>Exploration</b>				
	Status of Exploration	Explored			
	Exploration Agency	GSI/DGM/Shreeram Gemicon Pvt Ltd.			
	Total Number of Boreholes	103			
	Boreholes Meterage	16951.30 m			
	Borehole Density	10 BH per square km			
<b>4.</b>	<b>Amount of Coal</b>				
	Total Geological Reserves	50.18 MT (As per Geological Report)			
	Total Mineable Reserves	37.633 MT (29.036-OC & 8.597-UG)			
	Total Extractable Reserves	32.743 MT (27.584-OC & 5.159-UG)			
	Coal Seams	Seam	Geological (MT)	Extractable (MT)	32.743
		VI	2.26		
		V	4.45		
		IVT	16.25		
		IVB/IV	18.77		
		III	3.26		
II		1.79			
I		3.40			
<b>Total</b>	<b>50.18</b>				
<b>5.</b>	<b>Coal Seams</b>				
	Dip of Seam	Dip is Variable and varies from 3°-15°			
	Direction of Strike	South Western: NW-SE, North Western: NNE-SSW, Eastern part: E-W.			

	Thickness of Coal Seams	Coal Seam	Usual Range (Mtrs)
		VI	0.27-2.58
		V	0.30-2.59
		IVT	0.58-5.55
		IVB/IV	0.40-5.40/1.40-8.89
		III	0.15-3.53
		II	0.15-2.08
		I	0.13-1.71
	Partings	Between Seams	Usual range (Mtrs)
		Parting between VI and V	2.25-16.33
		Parting between V and IVT	1.26-14.27
		Parting between IVT and IVB/IV	4.65-12.44
		Parting between IVB/IV and III	17.22-36.59
		Parting between III and II	8.05-22.06
		Parting between II and I	10.35-25.85
	Faults	Name of Fault	Max Throw (m)
		F1-F1	250
		F2-F2	60
		F3-F3	50
		F4-F4	60
		F5-F5	45
F6-F6		75	
F7-F7		32	
F8-F8		20	
F9-F9		75	
F10-F10		100	
F11-F11		30	
F12-F-12		20	
F13-F13		50	
F14-F14		135	
F15-F15		30	
F16-F16		30	
F17-F17		100	
F18-F18		20	
F19-F19		15	
F20-F20	20		
<b>6.</b>	<b>Grade</b>		
	Grade	Seam	General Range
		VI	D-F
		V	D-G
		IVT	F-G
		IVB/IV	C-G
		III	B-G
		II	A-E
		I	A-F

<b>7.</b>	<b>Accessibility</b>	
	Nearest Rail Head Distance	Renukut Railway Station, 80km from Wadрупnagar
	Road	Ambikapur-Varanasi State Highway ,82 Km
	Airport Distance	Raipur
<b>8.</b>	<b>Hydrography</b>	
	Local Surface Drainage Channels	
	Rivers/ Nala	Moran River
<b>9.</b>	<b>Climate</b>	
	Average Annual Rainfall	1400 mm
	Temperatures (Winter)	4 °c (min)
	Temperatures (Summer)	45°c (max)
<b>10.</b>	<b>Topography</b>	
	Topo Sheet Number	Survey of India Sheet No. 64-M/2 and 64-M/6
	Nature of Surface Land	Undulating Topography
<b>11.</b>	<b>Other Infrastructure</b>	
	Coal Handling Plant Capacity	1.00 MTY
	Coal Washery Capacity	Not Envisaged
	Transport from Mine	By trucks
	Power Supply	Yes

**PART B**

<b>Sr. no.</b>	<b>Features</b>	<b>Details</b>
<b>1.</b>	<b>Previous Allocation</b>	
	Name of Allocatee	M/s Chhattisgarh Mineral Development Corporation Ltd.
	Address	Sonkhan Bhawan, Ring Road-1, Purena, Raipur, Chhattisgarh-492006
	Nature of End Use	Commercial Use
<b>2.</b>	<b>Status of Mineral Exploitation</b>	
	Method of Mining	Opencast & Underground Mining
	Coal Extracted	-Nil-
	Mine Plan Extraction Rate	1.00 MTY (OC+UG), UG will start from 16 <sup>th</sup> year @0.25 MTY
	Average Stripping Ratio	1:13.79
	Mining Agency	Not Available
<b>3.</b>	<b>Status of Clearances/Approvals</b>	
	Mining Plan (Reference to Grant)	No: 13016/8/2007-CA-1 dated 6/07/2011
	Forest Clearance (Reference to Grant)	No: 8-50/2012-FC dated 4/3/2013 (Stage-I)
	Environmental Clearance (Reference to Grant)	No: J-11015/331/2010-IA.II (M) dated 16-09-2013
	Mining Lease (Reference to Grant)	No: 13016/08/2007-CA-1 dated 4/06/2012
	Land Required	810 Ha
	Land Acquired	400.60 Ha
	R&R Plan Approval & Details	F 7-17/2011/12 dated 28/6/2014 (number of PAFs-436 as per data provided by CMDC)
	R&R Plan Achievement	-Nil-

**Note:**

1. The above data is compiled from Geological Report, Mining Plan, Mine Closure Plan, Environmental Clearance and Forest Clearance 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 GSI 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 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.