

# MANDAKINI-A COAL BLOCK SUMMARY

## PART A

Sr. No.	Features	Details
<b>1.</b>	<b>Location</b>	
	Coal Block	<b>Mandakini-A</b>
	Latitude	21°04'34" – 21°05'59"N (Provisional)
	Longitude	84°58'10" – 84°59'49"E (Provisional)
	Topo Sheet No.	73 C/16
	Coalfield	Talcher Coalfield
	Villages	Bainda and Luhamara
	Tehsil/ Taluka	Kaniha
	District	Angul
	State	Odisha
<b>2.</b>	<b>Connectivity with Block</b>	
	Nearest Rail Head	Angul and Talcher
	Road	District HQ town Angul is connected by a 40 kms all weather tarmac road via Kasala. The block is located 45 kms north west of Talcher town.
	Airport	Bhubaneswar Airport
<b>3.</b>	<b>Area</b>	
	Geological Block Area	6.51 sq.km (As per shape file; Refer Note No. 3)
	Mining Lease Area (As per Mining Plan)	650 Ha
	Forest Area	324.52
	Non-Forest Area	329.14
<b>4.</b>	<b>Climate and Topography</b>	
	Average Annual Rainfall	1125 mm
	Temperature (Min. – Max.)	6°C – 49°C
	Local Surface Drainage Channels	Bankuli nala flowing in the south-eastern part of the block, mainly controls the drainage of this area
	Rivers	Brahmani River
<b>5.</b>	<b>Exploration</b>	
	Status	Explored
	Exploration Agency	Directorate of Geology, Department of Steel & Mines, Govt. of Odisha & GSI
	Total Number of Boreholes with meterage	58 Bhs, 12726.10m for Mandakini block
	Borehole Density	8.6 Bhs / Sq km in Mandakini-A block
	General Dip of Seams	3° – 25° due North
	General Strike Direction	East to West

6.	Workable coal Seam details (As per the Mining Plan)						
Coal Seams/ Parting	Thickness Range (m)	Depth Range (m)	Geological Reserve Mt	Extractable Reserve Mt	Grade	Mining Method (UG/OC/Mixed)	
Seam IV B	2.47-3.05					OC	
Parting	.... - 12.53						
Seam IIIT	1.08-1.87						
Parting	2.23-46.65						
Seam IIIB	1.09-3.98						
Parting	15.52-16.14						
Seam L3	1.04-3.27						
Parting	11.98-58.64						
Seam L2	1.00-4.69		5.956	287.886	D-G		
Parting	1.61-17.92						
Seam II T4	1.65-16.87		24.299				E
Parting	14.89-62.55						
SeamII(T3+T4)	8.31-15.75		11.291				E
Parting	1.20-9.18						
Seam II T3	1.17-9.24		8.858				D
Parting	1.11-30.66						
Seam II T2	1.35-10.21		26.662				C
Parting	8.54-8.68						
Seam L1	1.00-1.48						
Parting	13.68-44.18						
Seam II T1	1.13-14.59		44.44				D
Seam II(B3+ T1)	1.16-18.63		6.463				E
Parting	1.57-38.29						
Seam II B3	1.12-13.04		34.639				B-G
Parting	2.49 -....						
Seam II (B2+B3)	6.11 - ....		0.234				G
Parting	2.06-19.11						
Seam II B2	1.08-9.04		24.680				B
Parting	1.04-34.09						
Seam II B1	1.33-14.70		71.203				D-G
Parting	1.74-17.07						
Seam II (Bob+B1)	9.83-19.90		14.747				E-G
Parting	1.09-17.46						
Seam II (Bob)	1.01-9.01		33.479				D-G
Parting	26.20-73.54						
Seam II(Boa1+Boa2)	1.07-5.65		6.170			C	
Parting	illegible						
Seam II Boa2	1.05-6.07		2.196			C	
Parting	illlegible						
Seam II Boa1	1.04-3.53		7.472			C-G	
<b>Total Coal (Mt)</b>			<b>322.789</b>		<b>287.886</b>		
<b>Total Overburden (Mcum)</b>			<b>579.380</b>				
<b>Stripping Ratio</b>			<b>2.01</b>				

**PART B**

<b>Sr. No.</b>	<b>Features</b>	<b>Details</b>
<b>1.</b>	<b>Previous Allocation</b>	
	Name and Address of Allocatee	<ol style="list-style-type: none"> <li>1. JV Company: Mandakini Coal Company Ltd., Plot No. – 12, Local Shopping complex, Sector B-1. Vasant Kunj, New Delhi – 110070.</li> <li>2. JV partners (Allocatees): <ol style="list-style-type: none"> <li>i. Monnet Ispat &amp; Energy Ltd., Mohan Building- 3<sup>rd</sup> floor, 4-Bikaji Cama Place, New Delhi-110006</li> <li>ii. Jindal Photo Lab Ltd., 56/2 Hanuman Road, New Delhi 110001.</li> <li>iii. Tata Power Company Ltd., House No.- 24, Homi Modi Street, Mumbai-400001</li> </ol> </li> </ol>
<b>2.</b>	<b>Target Capacity as per Mining Plan</b>	7.5 Mty
<b>3.</b>	<b>Status of Clearances/Approvals</b>	
	Mining Plan/ Mine Closure Plan	MP Approved by MoC, No. 13016/67/2008-CA-I dated: 23.02.2009
	Forest Clearance	Allowed for diversion by Forest & Environment Department, Govt. of Orisha, No. 10F (Con) 475/2012/21298/F&E, Bhubaneswar, dated: 09.10.2013
	Environmental Clearance	Cleared by MoEF No. J-11015/369/2008-IA.II(M). Dated: 17.01.2011
	Mining Lease	
	Land Acquisition	Forest land-324.52 Ha, Private land-274.52 Ha, Govt. Land-54.62 Ha (excluding R&R land) (As per Information provided by Allocatee to Jt. Secretary, MoC etc.)
	No. of PAFs as per Mining Plan/ Mine Closure Plan	958 (As per EC)
<b>4.</b>	Surface Infrastructure already built, if any.	

**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 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.