

# Mine Summary

## ROHNE COAL BLOCK

### PART A

Sr. No.	Features	Details
1.	<b>Location</b>	
	Coal Block	<b>Rohne</b>
	Latitude	23°45'05" N – 23°47'27"N (Provisional)
	Longitude	85°16'02" E - 85°18'58"E (Provisional)
	Topo Sheet No.	73E/5
	Coalfield	North Karanpura Coalfield
	Villages	Barwania, Paseriya
	Tehsil/ Taluka	Barkagaon
	District	Hazaribagh
State	Jharkhand	
2.	<b>Connectivity with Block</b>	
	Nearest Rail Head	Patratu and Bhadaninagar Rly stations at distances of 19 Km and 20 Km respectively
	Road	Connected to Barkagaon at distance of 15 Km by Urimari to Barkagaon road. Connected to Hazaribagh at distance of 40 Km by Hazaribagh-Barkagaon-Tandwa road. Ranchi is 80 km from the block.
	Airport	Nearest airport is at Ranchi
3.	<b>Area</b>	
	Geological Block Area	12.49 sq. km (As per shape file; Refer Note No. 3)
	Mining Lease Area (As per Mining Plan)	825 Ha (As per EC)
	Forest Area	1127.31 Ha
	Non-Forest Area	125.80 Ha
4.	<b>Climate and Topography</b>	
	Average Annual Rainfall	1200-1300 mm
	Temperature (Min. – Max.)	1 <sup>o</sup> C- 45 <sup>o</sup> C
	Local Surface Drainage Channels	Drainage is by some seasonal nalas discharging into Badmahi river flowing west of the block. Badmahi river is tributary to Haharo river and Haharo river finally meets Damodar river near Bundu Block.
	Rivers	Badmari, Haharo and Damodar
5.	<b>Exploration</b>	
	Status	825 Ha (Completely explored) 420 Ha(Unexplored)
	Exploration Agency	GSI, MECL, CMPDIL
	Total Number of Boreholes with meterage	157 BHs, 28867.40m
	Borehole Density	18/ sq. Km for the entire block
	General Dip of Seams	10 <sup>o</sup> – 19 <sup>o</sup> towards northwest, Dip near south-eastern part is south-westerly
	General Strike Direction	NE-SW, Strike near south-eastern part is NW-SE

6.	<b>Geological Reserve: 423.17 Mt (As per GR)</b>					
	<b>Workable coal Seam details (As per the Mining Plan)</b>					
	Coal Seams/ Parting	Thickness Range (m)	Geological Reserve (Mt)	Extractable Reserve (Mt)	Grade	Mining Method (UG/OC/Mixed)
	Seam V Top	0.35-4.02	8.702	5.58	Ungraded*	<b>OC</b>
	Parting	1.33-21.74				
	Seam V Middle	0.14-2.18				
	Parting	6.00-27.77				
	Seam V Bottom	0.49-9.61	25.465	16.53	W IV- Ungraded*	
	Parting	1.13-17.67				
	Seam IVD	0.15-3.24				
	Parting	1.26-13.17				
	Seam IVC	0.04-3.51				
	Parting	0.77-16.27				
	Seam IVB	0.04-2.60				
	Parting	1.00-17.28				
	Seam IVA	0.10-3.15				
	Parting	1.31-19.05				
	Seam IV	0.16-3.88				
	Parting	3.20-43.45				
	Seam III	0.11-5.99	24.608	17.12	W III- Ungraded*	
	Parting	2.27-37.89				
	Seam Local L1	0.39-2.95	9.877	7.13	W III- Ungraded*	
	Parting	0.49-6.32				
	Seam II Top	1.45-8.62	41.211	30.75	W III- Ungraded*	
	Parting	Nil-6.86				
	Seam II Middle	0.86-6.79	21.781	16.76	W I- Ungraded*	
	Parting	Nil-8.59				
	Seam II Bottom	1.17-9.78	35.549	30.39	W III- Ungraded*	
	Parting	3.37-20.92				
	Seam I Top	0.13-1.66				
Parting	0.41-7.98					
Seam I Bottom	1.69-12.19	74.542	67.27	WIV- Ungraded*		
<b>Total Coal (Mt)</b>		<b>241.735</b>	<b>191.54</b>			
<b>Total Overburden (Mcum)</b>			<b>591.86</b>			
<b>Stripping Ratio (cum)</b>			<b>3.09</b>			

\* Under column 'Grade' in the above table, ungraded has been indicated against mineable seams as per the geological report.

**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: Rohne Coal Company Ltd., B-236, Ground Floor, Road no. 3 Ashok Nagar, Ranchi-834002.</li> <li>2. JV partners (Alocatees):               <ol style="list-style-type: none"> <li>i. JSW Steel Ltd., NBCC Tower, 15-Bhikaji Cama Place, New Delhi-110001</li> <li>ii. Bhusan Power &amp; Steel Ltd., 4<sup>th</sup> floor-Tolstoy House, Tolstoy Marg, New Delhi 110001.</li> <li>iii. Balaji Industries Ltd., 5-Bentink Street, Kolkata-700001</li> </ol> </li> </ol>
<b>2.</b>	<b>Target Capacity as per Mining Plan</b>	8.00 Mty
<b>3.</b>	<b>Status of Clearances/Approvals</b>	
	Mining Plan/ Mine Closure Plan	MP Approved by MoC, No. 13016/62/2008-CA-I dated: 04.03.2009
	Forest Clearance	<ol style="list-style-type: none"> <li>1. Forest Clearance (560 Ha) vide F. No. 8-36/2010-FC dated 23.01.2013</li> <li>2. Forest Clearance (560 + 7 Ha) Corrigendum vide F.No. 8-36/2010-FC dated 26.02.2013</li> <li>3. Forest Clearance (211.23 Ha) vide F.No. 8-36/2010-FC dated 07.11.2013</li> <li>4. Forest Clearance (11.65 Ha) vide F.No. 8-36/2010-FC dated 24.01.2014</li> </ol>
	Environmental Clearance	Cleared by MoEF No. J-11015/266/2008-IA.II(M). Dated: 22.05.2014
	Mining Lease	825 Ha (As per EC)
	Land Acquisition	Forest land-789.56 Ha, Private land-87.66 Ha, Govt. Land-8.96 Ha
	No. of PAFs as per Mining Plan/ Mine Closure Plan	226 (As per Information provided by Alocatee to Jt. Secretary, MoC Etc.)
<b>4.</b>	Surface Infrastructure already built, if any.	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 GR after conversion to WGS84 system by feature matching. The block boundary is provisional and the cardinal points, bounding coordinates 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.