

# KHAPA & EXTENSION COAL BLOCK SUMMARY

## PART A

Sr. No.	Features	Details				
<b>1.</b>	<b>Location</b>					
	Coal Block	<b>KHAPA &amp; EXTENSION</b>				
	Coal Field	Kamptee Coalfield				
	Latitude	21° 16' 34" N & 21° 19' 13" N (Provisional)	Topo Sheet No. 55 O/3			
	Longitude	79° 03' 42" E & 79° 06' 28" E (Provisional)				
	Villages	Pipla Dak Bunglow, Dahegaon, Ranala, Chanakhapur & Khappa.				
	Tehsil/ Taluka	Saoner				
	District	Nagpur				
	State	Maharashtra				
<b>2.</b>	<b>Area</b>					
	Geological Block Area	6.5 Sq. km (As per shape file. Refer Note No. 3))				
	Mining Lease Area	649.46 hectares (As per mining plan)				
	Forest Area	12.86 hectares (As per mining plan)				
	Non Forest Area	636.60 hectares (As per mining plan)				
<b>3.</b>	<b>Exploration</b>					
	Status of Exploration	Explored				
	Exploration Agency	Central Mine Planning and Design Institute Ltd., Ranchi				
	Total Number of Boreholes	88 (85 Nos. in khappa Block and 3Nos. in Exn. Block)				
	Boreholes Meterage	17637.64 m(As per GR) (Within the Khappa and Extension Block)				
	Overall Borehole Density	13.55 boreholes per sq. km				
<b>4.</b>	<b>Amount of Coal</b>					
	Geological Reserves	89.207 MT				
	Extractable Reserves	22.463 MT				
	Seam Wise Reserve	Seam	Geological (MT)	Extractable (MT)	Method	
		V	27.8	7.337	U/g	
		IV B	14.327	3.942		
		III	9.668	2.073		
II		37.412	9.112			
Total		89.207	22.464			
<b>5.</b>	<b>Coal Seams</b>					
	Dip of Seam	Gradient generally varies from 1 in 3.3 in SE part to 1 in 13 in the NW part.				
	Direction of Strike	NW-SE with dips due NE.				
	Thickness of Coal Seams	Coal Seam	Thickness range (Mtrs)			
		V	3.0 – 7.98			
		IV B	0.73 – 3.08			
		III	0.23 – 2.77			
		II	3.10 – 7.88			
	Partings	Between Seams	Usual (in metres)			
		Parting between V and IV B	23.82-54.52			
Parting between IV B and III		13.45-34.01				
Parting between III and II		7.55-24.09				

	Faults	<b>Name of Fault</b>	<b>Throw (m)</b>
		F1(13)	0-90
		F2	10-70
		F3	30-80
		F4	20-30
		F5	0-60
		F6	0-20
		F7	30-60
		F8	5
		F9	15-20
		F10	20
		F11	30-40
		F12	40
		F13	0-35
		F14	(+)100
		<b>Minor Slips</b>	
		SL-1	3
SL-2	2.5		
SL-3	3.5		
<b>6.</b>	<b>Grade</b>		
	Quality (Grade) of coal as per Mining Plan	Seam	Range
		V	D to F
		IVB	C to F
		III	B to F
	II	B to D	
<b>7.</b>	<b>Accessibility</b>		
	Nearest Rail Head Distance	The nearest railway station Pipla on the Nagpur-Chhindwara narrow guage line lies in the north eastern part of the block.	
	Road	The block is located on the national highway no. 69 which runs North –South through the length of the property.	
	Airport Distance	Nagpur Airport ( Approx. 25.0Km)	
<b>8.</b>	<b>Hydrology</b>		
	Local Surface Drainage Channels	The drainage of the block is controlled by the southerly flowing Kolar river which flows along the western edge of the block.	
	Rivers/ Nala	A number of seasonal nullah originating from the higher elevations of the block drain into Kolar river.	
<b>9.</b>	<b>Climate</b>		
	Average Annual Rainfall	Around 1050 mm( As per GR)	
	Temperatures (Min)	8°C( As per GR)	
	Temperatures (Max)	48°C( As per GR)	
<b>10.</b>	<b>Topography</b>		
	Topo Sheet Number	55 0/3	
	Nature of Surface Land	Khappa & Extn.block has a gently undulating topography with the general slope towards east and south. The surface elevation varies from a maximum 297.43 m (CMK-44) above MSL in the North –central part to minimum 288.61m (CMK-15) the south – central part along the banks of Kolar river.	

<b>11.</b>	<b>Other Infrastructure</b>	
	Coal Handling Plant Capacity	There will be a coal handling plant which will have provisions of direct loading into the road trucks, blending as well as stacking into an emergency stockpile.
	Coal Washery Capacity	No coal beneficiation process is proposed at the pit head.
	Transport from Mine	(i) In case of M/s Sunflag Iron and Steel Ltd.-by road transport. (ii) In case of M/s Dalmia Cement Bharat Ltd.-by road transport upto nearest railway siding at Godhani and from Godhani by railway upto EUP.
	Power Supply	33kV power line drawn to the mine sub- station by a 10 Km long overhead transmission line from Patansaongi Sub-station of 120 KVA capacity belonging to MSEDCL.

**PART B**

<b>Sr. No.</b>	<b>Features</b>	<b>Details</b>
<b>1.</b>	<b>Previous Allocation</b>	
	Name of Allocatee	M/s Sunflag Iron and Steel Ltd. and M/s Dalmia Cement Bharat Ltd.
	Address	(1) M/s Sunflag Iron & Steel Limited 11 <sup>th</sup> Floor, 1116A-1119B, E-Block, International Trade Tower, Nehru Place, New Delhi-19  (2) M/s Dalmia Cement(Bharat) Limited. 11 <sup>th</sup> / 12 <sup>th</sup> Floor, Hansalaya, 15 Barakhamba Road New Delhi-1
<b>2.</b>	<b>Status of Mineral Exploitation</b>	
	Method of Mining	Underground mining
	Coal Extracted	NIL
	Mine Plan Extraction Rate	0.3 MTPA from 3 <sup>rd</sup> year by underground workings upto 76 years (As per mining plan)
	Average Stripping Ratio	N/A
	Mining Agency	
<b>3.</b>	<b>Status of Clearances/Approvals</b>	
	Mining Plan(Reference to Grant)	N.A.
	Forest Clearance(Reference to Grant)	N.A.
	Environmental Clearance(Reference to Grant)	N.A.
	Land Required	15.10 Ha applied/required as per the mining plan under consideration.
	Land Acquired	N.A.
	R&R	No shifting of villages/houses is envisaged

Note:

1. 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.
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.