

KHAPPA & EXTENSION COAL BLOCK SUMMARY

PART A

Sr. No.	Features	Details			
1.	Location				
	Coal Block	KHAPPA & EXTENSION			
	Coal Field	Kamtee Coalfield			
	Latitude	21° 16' 34.935" N & 21° 19' 14.110" N	Existing information about bounding coordinates has been converted to WGS84 system by CMPDI		
	Longitude	79° 03' 43.469" E & 79° 06' 27.539" E			
	Villages	Pipla Dak Bunglow, Dahegaon, Ranala, Chanakhapur & Khappa.			
	Tehsil/ Taluka	Saoner			
	District	Nagpur			
	State	Maharashtra			
	2.	Area			
Geological Block Area		649.46 Ha.			
Project Area		649.46 Ha.			
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)			
3.	Exploration				
	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			
4.	Amount of Coal				
	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			
5.	Coal Seams				
	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	Name of Fault	Throw (m)	
		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	
		Minor Slips		
		SL-1	3	
		SL-2	2.5	
		SL-3	3.5	
6.	Grade			
	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	
7.	Accessibility			
	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)		
8.	Hydrography			
	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.		
9.	Climate			
	Average Annual Rainfall	Around 1050 mm(As per GR)		
	Temperatures (Min)	8°C(As per GR)		
	Temperatures (Max)	48°C(As per GR)		

10.	Topography	
	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.
11.	Other Infrastructure	
	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

Sr. No.	Features	Details
1.	Previous Allocation	
	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 th Floor, 1116A-1119B, E-Block, International Trade Tower, Nehru Place, New Delhi-19 (2) M/s Dalmia Cement(Bharat) Limited. 11 th / 12 th Floor, Hansalaya, 15 Barakhamba Road New Delhi-1
	Nature of End Use	(1) Iron & Steel/Sponge Iron/ CPP(MS) of M/s Sunflag Iron and Steel Ltd.& (2) Cement/ CPP at TN, AP, Karnataka of M/s Dalmia Cement Bharat Limited.
2.	Status of Mineral Exploitation	
	Method of Mining	Underground mining
	Coal Extracted	NIL
	Mine Plan Extraction Rate	0.3 MTPA from 3 rd year by underground workings upto 76 years (As per mining plan)
	Average Stripping Ratio	N/A
	Mining Agency	
3.	Status of Clearances/Approvals	
	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: 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. For clarifications with regard to above data, please refer aforesaid source documents.