

BIJAHAN

PART A

Sr. No.	Features	Details		
1.	Location			
	Coal Field	Ib River Coalfield		
	Latitude	22°04'48" N & 22°06'58" N		
	Longitude	83°35'38" E & 83°37'50" E		
	Villages	Bijahan, Girisima, Jharpalam and Bhogarakachhara		
	Tehsil/ Taluka	Himgiri		
	District	Sudargarh		
	State	Orissa		
2.	Area			
	Geological Block Area	11.00 sq. Km.		
	Project Area	-		
	Mining Lease Area	1100 hectares (As per Mining Plan)		
	Forest Area	608.00 hectares (Including Govt. Revenue Forest)		
	Non Forest Area	492.00 hectares		
3.	Exploration			
	Status of Exploration	Explored		
	Exploration Agency	MECL/CMPDI		
	Total Number of Boreholes	52		
	Boreholes Meterage	9706.60 m		
	Borehole Density	5 BH per square km		
4.	Amount of Coal			
	Total Geological Reserves	327.02 MT (As per Mining Plan-2007)		
	Total Mineable Reserves	229.98 MT (161.20-OC & 68.78-UG)		
	Coal Seams	Seam	Geological (MT)	Mineable (MT)
		Lajkura IV Top	18.45	Not Available in Mining Plan
		Lajkura IV Bot	3.23	
		Lajkura III	0.62	
		Lajkura II (T1+T1A Bot)+Laj I	167.81	
		Rampur-V	23.89	
		Rampur-III Top	1.77	
		Rampur-III Bot	32.08	
		Rampur-II+I	53.66	
		IB	25.54	
	Total	327.02		
5.	Coal Seams			
	Dip of Seam	Dip is Variable and varies from 3°-5°		
	Direction of Strike	General Strike: WNW-ESE		
	Thickness of Coal Seams	Coal Seam	Usual Range (Mtrs)	
		Lajkura IV Top	2.56-6.15	
		Lajkura IV Bot	0.35-1.50	

		Lajkura III	0.70-1.52
		Lajkura II (T1+T1A Bot)+Laj I	24.89-33.70
		Rampur-V	0.50-2.75
		Rampur-III Top	0.35-2.25
		Rampur-III Bot	0.90-4.46
		Rampur-II+I	0.80-7.25
		IB	0.98-11.09
	Partings	Between Seams	Usual range (Mtrs)
		Parting: Laj IV Top-Laj IV Bot	2.15-10.20
		Parting: Laj IV Bot- Laj III	6.55-12.96
		Parting: Laj III- Laj II	14.00-29.18
		Parting: Laj II- Ram V	65.05-80.31
		Parting: Ram V- Ram III Top	24.73-55.79
		Parting: Ram III Top- Ram III Bot	1.50-5.51
		Parting: Ram III Bot- Ram II+I	0.90-26.94
		Parting: Ram II+I- IB	18.65-33.25
	Faults	Name of Fault	Max Throw (m)
		The Block is free from any major fault	
6.	Grade		
	Grade	Seam	General Range
		Lajkura IV Top	G-F
		Lajkura IV Bot	G-E
		Lajkura III	G-F
		Lajkura II (T1+T1A Bot)+Laj I	G-F
		Rampur-V	G-E
		Rampur-III Top	G-E
		Rampur-III Bot	G-E
		Rampur-II+I	F-D
		IB	E-C
7.	Accessibility		
	Nearest Rail Head Distance	Himgiri Railway station at about 30 km from the Bijahan Block.	
	Road	Raigarh & Sundargarh situated at 60 & 68 km from the Block	
	Airport Distance	Raipur	
8.	Hydrography		
	Local Surface Drainage Channels		
	Rivers/ Nala	Budajholia Nala and Basundhara Nadi	
9.	Climate		
	Average Annual Rainfall	1314 mm	
	Temperatures (Winter)	11.2 °c (min)	
	Temperatures (Summer)	45.7 °c (max)	
10.	Topography		
	Topo Sheet Number	Survey of India Sheet No. 64-N/12	
	Nature of Surface Land	Undulating Topography	
11.	Other Infrastructure		

	Coal Handling Plant Capacity	5.26 MTY
	Coal Washery Capacity	-
	Transport from Mine	By trucks
	Power Supply	Yes

PART B (for Schedule II Mines only)

Sr. no.	Features	Details
1.	Previous Allocation	
	Name of Allocatee	M/s Bhushan Power & Steel Ltd and M/s Shri Mahavir ferro Alloys Pvt. Ltd.
	Address	Hospital Road, Mission Chowk, Opposite Kishore Patel house, Sundargarh-770001, Orrisa.
	Nature of End Use	For Sponge Iron and Captive Power Plant.
2.	Status of Mineral Exploitation	
	Method of Mining	Opencast Mining for 161.20 MT coal. Underground mining for 68.78 MT coal, which is proposed in mining plan but production plan by UG is not envisaged.
	Coal Extracted	-Nil-
	Mine Plan Extraction Rate	5.26 MTY (By OC)
	Average Stripping Ratio	1:2.31
	Mining Agency	Not Available
3.	Status of Clearances/Approvals	
	Mining Plan (Reference to Grant)	No: 13016/33/2005-CA-1 dated 13/08/2008
	Forest Clearance (Reference to Grant)	Not Available
	Environmental Clearance (Reference to Grant)	Not Available
	Mining Lease (Reference to Grant)	Not Available
	Land Required	1100 Ha
	Land Acquired	Not Available
	R&R Plan Approval & Details	No of PAFs- 429
	R&R Plan Achievement	-

Note:

As per approved Mining Plan of Bijahan coal block, total geological reserve is 327.02 Mte. Out of which 161.20 Mte (Mineable Reserve) of coal will be mined out by opencast and 68.78 Mte (Mineable reserve) of coal has been proposed to work out by underground method, which is not at present envisaged in approved mining plan of Bijahan. The total lease area applied for this block is 1100 ha; which includes both opencast and underground area.