

North Dhadu

PART A

Sr. No.	Features	Details		
1.	Location			
	Coal Field	North Karanpura Coalfield		
	Latitude	23°45'54" N & 23°47'41" N		
	Longitude	84°47'00" E & 84°50'43" E		
	Villages	Hempur, Nawadih, Dhadhu, Bhaisadon, Gerenja, Pidarkom, Marangloiya, Bishunpur		
	Tehsil/ Taluka	Balumath		
	District	Latehar		
	State	Jharkhand		
2.	Area			
	Geological Block Area	11.30 sq. Km.		
	Project Area	13.68 sq. Km.		
	Mining Lease Area	1368 hectares (As per Mining Plan)		
	Forest Area	711.78 hectares (Including Chote-Bade Jhar ke Jungle)		
	Non Forest Area	656.22 hectares		
3.	Exploration			
	Status of Exploration	Explored		
	Exploration Agency	GSI/MECL		
	Total Number of Boreholes	102		
	Boreholes Meterage	23753.65 m		
	Borehole Density	9.02 BH per square km		
4.	Amount of Coal			
	Total Geological Reserves	923.27 MT		
	Total Mineable Reserves	557.97 MT		
	II	Seam	Geological (MT)	Mineable (MT)
		V Merged	157.63	116.83
		V Top	4.94	4.04
		V Middle	0.83	0.59
		V Bottom	20.08	16.28
		IV	89.29	60.92
		IIIA Merged	13.89	7.66
		IIIA Top	1.49	1.39
		IIIA Bottom	4.90	4.56
		II Merged	115.50	61.41
		II Top	31.17	18.80
		II Middle	23.12	14.81
		II Bottom	111.92	70.17
		I	348.51	180.51
		Total	923.27	557.97
5.	Coal Seams			
	Dip of Seam	Dip is Variable and varies from 5°-20°		

	Direction of Strike	The strike of strata is roughly ENE-WSW to NE-SW except in the western sector where it is E-W		
	Thickness of Coal Seams		Seam	Thickness Range (M)
			V Merged	17 - 19
			V Top	4 - 6
			V Middle	0.9 – 1.0
			V Bottom	13 - 14
			IV	2 - 5
			IIIA Merged	1 - 2
			IIIA Top	0.9 – 1.1
			IIIA Bottom	0.5 – 1.0
			II Merged	28 - 36
			II Top	4 - 7
			II Middle	3 - 5
			II Bottom	18 - 22
			I	20 - 26
	Partings		Between Seams	Thickness Range (M)
			Parting between V Top and V Middle	0.50 - 17.10
			Parting between V Middle and V Bottom	1.25 – 51.93
			Parting between V Bottom and IV	29.60 – 70.29
			Parting between IV and IIIA Merged/III A Top	18.63 – 66.09
			Parting between III A Top and IIIA Bottom	0.12 – 1.00
			Parting between III A Bottom and II Top/II Merged	1.70 – 38.65
			Parting between II Top and II Middle	0.20 – 7.64
			Parting between II Middle and II Bottom	0.50 – 39.00
			Parting between II Bottom and I	0.23 – 4.56
	Faults		Name of Fault	Max Throw (m)
			F1-F1	7 -19
			F2-F2	7 - 55
			F3-F3	0 - 7
			F4-F4	80
			F5-F5	0 - 46
			F6-F6	-
			F7-F7	-
			F8-F8	80 - 109
			F9-F9	10 - 60

		F10-F10	-
		F11-F11	48
		F12-F12	18
		F13-F13	235
		F14-F14	-
		F15-F15	-
		F16-F16	-
		F17-F17	290
6.	Grade		
		Seam	Grade
		V Merged	G12
		V Top	G11
		V Middle	G9
		V Bottom	G12
		IV	G13
		IIIA Merged	G12
		IIIA Top	G13
		IIIA Bottom	G14
		II Merged	G12
		II Top	G11
		II Middle	G12
		II Bottom	G11
		I	G13
7.	Accessibility		
	Nearest Rail Head Distance	Tori Railway Station (about 15 km)	
	Road	Chandwa - Balumath Road (NH99) passing through thr block	
	Airport Distance	Ranchi, 100 Km	
8.	Hydrography		
	Local Surface Drainage Channels	Barki/Rahera River	
	Rivers/ Nala	Barki/Rahera River passing through the block.	
9.	Climate		
	Average Annual Rainfall	1216 mm (1996-2005)	
	Temperatures (Winter)	1 °c (min)	
	Temperatures (Summer)	45°c (max)	
10.	Topography		
	Topo Sheet Number	GSI Toposheet no.. 73A/13	
	Nature of Surface Land	Undulating Topography	
11.	Other Infrastructure		
	Coal Handling Plant Capacity	8.15 MTPA	
	Coal Washery Capacity	-	
	Transport from Mine	Belt Conveyor	
	Power Supply	Yes	

PART B

Sr. No.	Features	Details
1.	Previous Allocation	
	Name of Allocatee	Electrosteel Casting Limited/ Adhunik Alloys and Power Limited/Jharkhand Ispat Pvt. Limited/Pawanjay Steel and Power Limited
	Address	Electrosteel Casting Limited 40, Stephen House, 4, BBD Bagh (East), Kolkata – 700001 Adhunik Alloys and Power Limited 2-Inner Circle Road, Shanti Hari Towers, Bishtupur Jamshedpur – 831001 Jharkhand Ispat Pvt. Limited Near PNB, Main Road, Ramgarh cantt, Disst Ramgarh, Jharkhand – 829122 Pawanjay Steel and Power Limited Y-6 Civil Township, TRourkela - 769004
	Nature of End Use	Sponge Iron and captive Power Plant
2.	Status of Mineral Exploitation	
	Method of Mining	Opencast Mining
	Coal Extracted	-
	Mine Plan Extraction Rate	8.15 MTPA
	Average Stripping Ratio	1:3.39
	Mining Agency	-
3.	Status of Clearances/Approvals	
	Mining Plan(Reference to Grant)	13016/31/2005-CA-I dt. 07.12.2010
	Forest Clearance(Reference to Grant)	-
	Environmental Clearance(Reference to Grant)	-
	Mining Lease (Reference to Grant)	Not Available
	Land Required	1368 hectares
	Land Acquired	-
	R&R Plan Approval	-
	R&R Plan Achievement	-

Note: For taking any decision, data may be cross checked/validated from Geological Report, Mining Plan, Mine Closure Plan, Environmental Clearance and Forest Clearance, and the data furnished by the prior Allotee in Annexure - I/II