

Corrigendum to Mine Summary

(This supersedes earlier uploaded mine summary)

GARE PELMA IV/1 MINE

PART A

Sr. No.	Features	Details																
1.	Location																	
	Coal Field	Mand Raigarh Coal Field																
	Latitude	22°05'37" N & 22°07'59" N																
	Longitude	83°31'50" E & 83°33'49" E																
	Villages	Nagaramuda, Tapranga, Dongamouha, Dhaurabanta, Janjgir and Amgaon																
	Tehsil/ Taluka	Gharghoda, Tamnar																
	District	Raigarh																
	State	Chhatisgarh																
2.	Area																	
	Geological Block Area	8.35 sq km (as per GR 2006)																
	Project Area	978.654 hectare																
	Mining Lease Area	978.654 hectares																
	Forest Area	91.18 hectare																
	Non Forest Area	887.475 hectares																
3.	Exploration																	
	Status of Exploration	Explored																
	Exploration Agency	CMPDI (GR prepared by GSI and further supplemented by GIEM (India) Consortium, Kolkata through Mining Associates, Asansol)																
	Total Number of Boreholes	75 (as per GR 2006)																
	Boreholes Meterage	7508.05m (as per GR 2006)																
	Borehole Density	8.98 per square km																
4.	Amount of Coal																	
	Total Geological Reserves	As per GR 2006																
		<table border="1"><thead><tr><th></th><th>Within Block IV/1(MT)</th><th>Extended Area(MT)</th><th>Total(MT)</th></tr></thead><tbody><tr><td>OC</td><td>107.601</td><td>25.723</td><td>133.324</td></tr><tr><td>UG</td><td>22.923</td><td>3.197</td><td>26.120</td></tr><tr><td>TOTAL</td><td>130.5242</td><td>28.920</td><td>159.444</td></tr></tbody></table>		Within Block IV/1(MT)	Extended Area(MT)	Total(MT)	OC	107.601	25.723	133.324	UG	22.923	3.197	26.120	TOTAL	130.5242	28.920	159.444
	Within Block IV/1(MT)	Extended Area(MT)	Total(MT)															
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TOTAL	130.5242	28.920	159.444															
	Total Mineable Reserves	114.16 MT (Extractable as per Mining Plan)																
	Seam Wise Reserve	<table border="1"><thead><tr><th>Seam</th><th>Geological (MT)</th><th>Mineable (MT)</th></tr></thead><tbody><tr><td>Seam X</td><td>9.015</td><td></td></tr><tr><td>Seam XA</td><td>9.044</td><td></td></tr><tr><td>Seam IX</td><td>47.155</td><td></td></tr></tbody></table>	Seam	Geological (MT)	Mineable (MT)	Seam X	9.015		Seam XA	9.044		Seam IX	47.155					
Seam	Geological (MT)	Mineable (MT)																
Seam X	9.015																	
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Seam IX	47.155																	

		Seam VIII	28.780	
		Seam VIIT	7.546	
		Seam VIIM	30.254	
		Seam VIIB	1.531	
		Seam IV	8.619	
		Seam III	17.501	
		TOTAL	159.444	
		As per GR 2006 reserves of Seams III and IV are taken as underground reserves and rest are opencast reserves		
	Average Stripping Ratio	3.16 cum/t		
5.	Coal Seams			
	Dip of Seam	2° to 6° as per Mining Plan, Feb 2008.		
	Direction of Strike	E-W as per GR 2006		
	Coal Seams (as per GR of Jindal Steel of GARE PELMA IV/1 & Extended Area, Oct 2006)	Coal Seam	Generalised Thickness (meters)	
		X	2.5-2.75	
		XA	1.50-2.0	
		IX L2	0.50-1.20	
		IX L1	0.50-1.20	
		IX TOP	0.65-1.00	
		IX	6.5-7.50	
		VIII	2.50-3.50	
		VII TOP	0.50-1.50	
		VII MID	3.00-6.00	
		VII BOT	1.50-2.00	
		VI	0.50-0.90	
		VT	0.25-0.50	
		VB	0.50-0.60	
		IV L	0.50-0.60	
		IV	0.80-1.25	
		III L2	0.50-0.60	
		III L1	0.70-0.80	
		III	1.20-1.80	
	Partings (as per GR of Jindal Steel of GARE PELMA IV/1 & Extended Area, Oct 2006)	Average Thickness (in metres)	Usual (meters)	
		Hard OB		
		Parting between X and XA	4.3-9.62	
		Parting between XA and IX L2	17.71-22.87	
		Parting between IX L2 and IX L1	4.13-11.37	
		Parting between IX L1 and IX Top	6.18-8.24	
		Parting between IX Top and IX	2.38-4.25	
		Parting between IX and VIII	2.21-10.51	
		Parting between VIII and VII Top	3.0-9.40	

		Parting between VII Top and VII Mid	0.73-4.73
		Parting between VII Mid and VII Bot	14.72-27.42
		Parting between VII Bot and VI	14.51-20.85
		Parting between VI and V Top	20.68-34.97
		Parting between V Top and V Bot	2.92-7.69
		Parting between V Bot and IV L	16.27-23.05
		Parting between IV L and IV	17.26-23.55
		Parting between IV and III L2	19.91-23.33
		Parting between III L2 and III L1	2.48-7.30
		Parting between III L1 and III	24.44-33.83
	Faults	No Major Faults indicated in Mining Plan	
6.	Grade		
	Grade (as per GR of Jindal Steel of GARE PELMA IV/1 & Extended Area, Oct 2006)	Seam	Range
		Top Section	Unworkable thickness
		X	F-G
		XA	F-G
		IX	F-G
		VIII	F-G
		VII TOP	F-G
		VII MID	F-G
		VII BOT	F-G
		IV	E-G
		III	D-F
7.	Accessibility		
	Nearest Rail Head Distance	Raigarh Station, 50 km	
	Road	Raigarh Ambikapur State Highway ,25 Km	
	Airport Distance	Raipur, 300Km	
8.	Hydrography		
	Local Surface Drainage Channels	Bendra Nala, traversing upto middle of the block, provides drainage to the area.	
	Rivers/ Nala	Kelo River	
9.	Climate		
	Average Annual Rainfall	1315 mm	
	Temperatures (Winter)	5 °C (min)	
	Temperatures (Summer)	46.5°c (max)	
10.	Topography		
	Topo Sheet Number	F44 L12 (Old No 64 N/12)	

	Nature of Surface Land	Partly Hilly
11.	Other Infrastructure	(Refer annexure- I)
	Coal Handling Plant Capacity	Yes (Integral part of washery- Existing)
	Coal Washery Capacity	Yes (Existing)
	Transport from Mine	
	Power Supply	Mine Site Substation to Jindal Steel and Power Power Plant in Raigarh through 220KV HTL

PART B (for Schedule II Mines only)

Sr. No.	Features	Details
1.	Previous Allocation	
	Name of Allocatee	M/s. Jindal Steel & Power Ltd.
	Address	M/s. Jindal Steel & Power Ltd. Post Box. No. 16 Kharsia Road Raigarh Chhattisgarh
	Nature of End Use	Sponge Iron (DRI/process)
2.	Status of Mineral Exploitation	As per Annexure-I
	Method of Mining	Opencast Mining
	Coal Extracted	64.595 MT till 31.03.2014 (as per Letter No. JSPL/Coal Mines/2014-15/I.V. MOC/001; Dated: 25.11.2014)
	Rated Capacity	6 MTPA
	Mining Agency	Third Party Contract
3.	Status of Clearances/Approvals	
	Mining Plan(Reference to Grant)	No.13016/5/2004-CA
	Forest Clearance (Reference to Grant)	Obtained vide Letter No. 8-60/2009-FC; dated: 02.02.2011
	Environmental Clearance(Reference to Grant)	No. J-11015/81/2008-IA.II(M); dated: 21-05-2012
	Mining Lease (Reference to Grant)	No. 3-174/96/12/2 dt. 23/09/97 Lease deed on 19/12/1997
	Land Required	978.67 Ha, as per EC
	Land Acquired	744.03 Ha (as per Letter No. JSPL/Coal Mines/2014-15/I.V. MOC/001; Dated: 25.11.2014)
	R&R Plan details	

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.