

## GARE PALMA – IV/7 COAL BLOCK SUMMARY

### PART A

Sr. No.	Features	Details
<b>1.</b>	<b>Location</b>	
	Coal Block	<b>GARE PALMA – IV/7</b>
	Latitude	22° 9' 9" - 22° 10' 32" N (Provisional)
	Longitude	83° 27' 48" - 83° 29' 51" E (Provisional)
	Topo Sheet No.	64 N/08
	Coalfield	Mand-Raigarh
	Villages	Khamaria, Karuwahi, Bajarmuda, Saraitola
	Tehsil/Taluka	Gharghora
	District	Raigarh
State	Chhattisgarh	
<b>2.</b>	<b>Connectivity with Block</b>	
	Nearest Rail Head	The nearest Railway station is Raigarh at 50 km distance from eastern boundary of the block located on Mumbai - Howrah main line of South Eastern Railways.
	Road	The sub block IV/7 is accessible by all-weather road from the district headquarter Raigarh which is located at a distance of 50km from the eastern boundary of the block.
<b>3.</b>	<b>Area</b>	
	Geological Block Area	4.82 sq.km. (As per shape file. Refer Note No. 3)
	Forest Area	Approx 5% (as per FSI map)
	Non-Forest Area	Approx 95% (as per FSI map)
<b>4.</b>	<b>Climate and Topography</b>	
	Average Annual Rainfall	1401.37 mm
	Temperature (Min. — Max.)	10°C-48°C
	Local Surface Drainage Channels	Local seasonal nalas
	Rivers	Kelo Nadi & Pajhar Nadi
<b>5.</b>	<b>Exploration</b>	
	Status	Explored
	Exploration Agency	Sree Ram Gemicon
	Total Number of Boreholes with meterage	41 Boreholes; 8715.40 m
	Borehole Density	Approx. 8.5 Boreholes/sq.km.
	General Dip of Seams	The strata are gently dipping towards SW at 2° to 3° and generally it is rolling dip.
	General Strike Direction	The strike of the bed is NW-SE in the entire block.

6.	<b>Coal Seams &amp; Reserve</b>				
	Number of Coal Seams	Thickness Range (m)	Depth Range (m)	Geological Reserve (MT)	Grade
	IX L2	0.80-3.48	14.08 – 26.82		
	IX L1	0.55-2.78	14.55 – 36.51		-
	IX	0.75-5.64	10.37 – 53.50	30.760	E – F
	VIII	0.40-6.38	07.84 – 67.28	37.372	F-G
	VII	1.34-6.86	22.30 – 89.97	38.623	G-UG
	VI	1.15-5.84	34.60 – 101.63	35.305	F-G
	V	0.62-4.15	71.00 – 141.50		G-UG
	IV	1.63-4.50	106.90 – 188.80	22.946	E - G
	III	1.53-3.75	171.25 – 259.28	19.616	E - G
	II	4.38-6.65	223.00 – 314.53	41.381	C – D
	I L1	0.30-2.00	243.45 – 333.90		A
	I	0.95-6.25	287.00 – 373.15	13.042	B - D
	<b>Total</b>			<b>239.045</b>	
7.	<b>Surface Constraints</b>		NA		

#### PART B

Sr. No.	Features	Details
1.	<b>Previous Allocation</b>	
	Name of Allocatee	Raipur Alloys & Steel Ltd
	Address	P-49, Industrial Area, Urkura (Opp. Urkura Railway Station) PO: Birgaon-493221 Raipur (CG)
2.	<b>Status of Mineral Exploitation</b>	
	Method of Mining	Opencast Mining
	Coal Extracted	3.64 MT ( till 31.03.2014)
	Mine Plan Extraction Rate	1.20 MTPA
3.	<b>Status of Clearances/Approvals</b>	
	Mining Plan	Mining Plan approved
	Forest Clearance(Reference to Grant)	Not applicable
	Environmental Clearance(Reference to Grant)	No.J-11015/37/2004-IA.II(M) dated September 30, 2005
	Land Required	420.0 hectares as per information submitted by prior allottee
	Land Acquired	352.848 hectares as per information submitted by prior allottee

Note:

1. 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.
2. The block boundary is provisional and the cardinal points, bounding co-ordinates are approximate.
3. The shape of the block is as per notice No. 104/28/2015/NA dated 13.10.2015 issued by the Nominated Authority regarding settlement of boundary in Gare Palma Sector.



**Provisional CARDINAL POINTS FOR Gare-Palma-IV 7 BLOCK**

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	83° 28' 59.858" E	22° 9' 11.383" N
P-2	83° 28' 57.871" E	22° 9' 9.892" N
P-3	83° 27' 48.422" E	22° 10' 24.363" N
P-4	83° 29' 37.515" E	22° 10' 31.455" N
P-5	83° 29' 38.166" E	22° 9' 57.249" N
P-6	83° 29' 41.392" E	22° 9' 55.457" N
P-7	83° 29' 47.561" E	22° 9' 51.471" N
P-8	83° 29' 50.409" E	22° 9' 49.320" N
P-9	83° 29' 47.965" E	22° 9' 47.483" N
P-10	83° 29' 46.334" E	22° 9' 46.259" N
P-11	83° 29' 16.979" E	22° 9' 24.233" N
P-12	83° 29' 9.642" E	22° 9' 18.725" N