Summary of the Mineral block

PART A- GENERAL INFORMATION ABOUT MINERAL BLOCK

	Features	**Details**
1	Location	Bonai- Kendujhar belt
	Mineral Block	**Kalamang West Block (Northern Part)**
	Latitude	21º56′47.758″N to 21º57′32.348″N
	Longitude	85 º17′ 06.659″E to 85º17′57.531″E
	Villages	Ghodabudhani, Kalamang,Gandalpada
	Tehsil/ Taluka	Koira
	District	Sundergarh
	State	Odisha
2	**Area (hectares/ square kilometers)**	0.929 square kilometers
	Mineralized Area	0.80 square kilometers
	Non Mineralized Area	0.12 square kilometers
3	**Exploration**	
	Status (G2/G3/G4 etc.)	G2
	Exploration Agency	Geological Survey of India
	Total Number of Boreholes with meterage	75 boreholes for 6751.10 m drilling
	Borehole spacing (Density)	100 m
4	**Quantity of Minerals**	
	Mineral	Iron Ore
	Total Geological Resources (Reserves)	92.97 million tonnes at 45% Fe cut off. (High grade- other than HLO: 64.86 million tonnes at avg. Fe 61.79%. High grade- HLO: 19.40 million tonnes at avg. Fe 62.00%. Low grade: 8.71 million tonnes at avg. Fe 49.96%)
5	**Mineralized Zones**	
	Number of Mineral Zones	Two zones (High grade & Low grade)
	Trend (Dip and Strike)	Trend of the ore band is N60^0 E- S60^0 W- and dip is varying from gentle to steep (15^0 to 55^0)
	Total Thickness	High grade-other than HLO: Varies from 7.00m (OSKN-28) to 128.80m (OSKN-25) High grade- HLO: Varies from 2.00m (OSKN-12) to 60.00m (OSKN-29) Low grade: Varies from 1.00m (OSKN-42) to 31.20m (SKN-14)
6	**Grade**	Average grade Fe: 60.72 % at 45% cut off.
	Mineral	Iron Ore
7	**Accessibility**	
	Nearest Rail Head	Banspani
	Road	Koira (on NH 215)
	Airport	Bhubaneswar
8	**Hydrography**	
	Local Surface Drainage pattern	Dendritic

	(Channels)	
	Rivers/ Streams	SunaNadi
9	**Climate**	
	Mean Annual Rainfall	120 – 150 cm
	Temperature (December)	2-3°C
	Temperature (June)	45°C
10	**Topography**	
	Toposheet Number	73 G/5
	Morphology of the Area	Rugged.

PART B – PARTICULARS OF STATUTORY LICENSES, PERMITS, PERMISSIONS, CONCESSIONS, APPROVALS AND CONSENTS RELATED TO MINING OPERATIONS

	Particulars	**Details/Status**
1.	Forest clearance	To be obtained by the Successful Bidder
2.	Wild life clearance (sanctuary, reserve or special zone clearances)	-do-
3.	Environmental clearance	-do-
4.	Consent to establish	-do-
5.	Explosive license	-do-
6.	Permission for mine opening	-do-
7.	Permission of installation/ trial operation of equipment	-do-
8.	Ground water clearance (Centre/State)	-do-
9.	Railway siding approval	-do-
10.	Approval for diesel storage	-do-
11.	Power line from State Discom	-do-
12.	Clearances relating to work under an existing transmission line or shifting of the transmission line	-do-

13.	Grama Sabha consent	-do-
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PART C – PARTICULARS OF LAND

	Area	**Details**
1.	Total Concession Area	92.875 Ha.
2.	Forest Land with Status	DLC forest – 42.608 Ha.
3.	Government Land with Status	29.687 Ha
4.	Private Land with Status	3.783 Ha.
5.	Revenue survey details of the area	Ref. Land Schedule