PART A – GENERAL INFORMATION ABOUT MINERAL BLOCK

	Features	Details
1	**Location**	
	Mineral Block	**Purheibahal Iron Block**
	Latitude / Longitude	

BLOCK BOUNDARY POINTS	*WGS-84*	
	LATITUDE	*LONGITUDE*
A	*DMS*	*DMS*
B	N 21°55'16.0942"	E 85° 17'33.9530"
C	N 21°55'04.5977"	E 85° 17'54.9624"
D	N 21°55'13.3691"	E 85° 17'59.5519"
E	N 21°55'16.4013"	E 85° 17'58.6088"
F	N 21°55'21.1627"	E 85° 18'00.8482"
G	N 21°55'22.6900"	E 85° 17'59.8069"
H	N 21°55'31.3330"	E 85° 17'43.1653"

	Villages	4 Km from Koira village to nearly ESE direction
	Tehsil/ Taluka	Koira
	District	Sundargarh
	State	Odisha
2	**Area (hectares/ square kilometers)**	
	Total block area	64.345 hects.
	Mineralised Area	35.514 hects.
	Non-Mineralised Area	28.831 hects.
3	**Exploration**	
	Status (G2/G3/G4 etc.)	G2(332)
	Exploration Agency	Mineral Exploration Corporation Limited
	Total Number of Boreholes with meterage	6 boreholes with 449 m. of drilling
	Borehole spacing (Density)	200 m x 100 m
4	**Quantity of Minerals**	
	Mineral	Iron
	Total Geological Resources	

Sl No.	Block	Gross Resources in M.T		Net Resources in M.T	
		At 55% Fe cut-off	≥45% to <55% Fe Cut-off	At 55% Fe cut-off	≥45% to <55% Fe Cut-off
1	PURHEIBAHAL	44.04(59.72)	2.76(49.89)	39.64(59.72)	2.48(49.89)

5	**Mineralized Zones**	
	Number of Mineral Zones	9 Nos.
	Trend (Dip and Strike)	N 30°E-S30°W, dipping in Western & Eastern directions.
	Total Thickness	22.00 m to 103.00 m (Average thickness-52.60 m)

6	Grade	Sl No.	Block	Gross Resources in M.T		Net Resources in M.T	
				At 55% Fe cut-off	≥ 45% to <55% Fe Cut-off	At 55% Fe cut-off	≥ 45% to <55% Fe Cut-off
		1	PURHEIBAHAL	44.04(59.72)	2.76(49.89)	39.64(59.72)	2.48(49.89)
	Minerals	Iron					
7	Accessibility	The block of Purheibahal is nearly 4 kms from North of Chandiposh block. National Highway No.215 connecting Panikoli on National Highway No.5 with Rourkela via Kendujhar, Joda, Barbil and Koira passes through the area. The iron mines of Kalta, Barsuan, Tensa lie in the neighboring area. Barbil, the nearest railhead on Tatanagar-Barbil section of the South Eastern Rail is about 30 Km away. Airport is Bhubaneswar. A small Airstrip exist at Barbil at a distance of 35-45 kms.					
	Nearest Railhead						
	Road						
	Airport						
8	Hydrography						
	Local surface drainage pattern(channels)	A small nala originating in the western part of the sub-block flows through the south western fringe area towards east and finally meets the Teheral Nala outside the area, which flows through an area North-west of the Chandiposhi sub-block and meets the Suna Nadi further downstream. The Suna Nadi finally drains into the Baitarani River near Kondra village to the North of this area.					
	River/Streams	Suna Nadi					
9	Climate						
	Mean Annual Rainfall	1600 mm					
	Temperatue (December)	5 Degree C					
	Temperatue (June)	47Degree C					
10	Topography						
	Toposheet Nos.	73 G/5					
	Morphology of the area	The Purheibahal sub-block forms a small mound with a central peak at nearly 646mRL (precisely, 646.78m) with the lowest topographical contour value of 608mRL in the extreme southern part at point B of the block boundary.					

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

Sl. No.	Particulars	Details/Status
1	***Forest Clearance***	***To be obtained by the successful bidder/not applicable/ if available, State to provide details***
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 Mines opening	-do-
7	Permission of Installation, tiral operation of equipment	-do-
8	Ground water clearance (Centre/State)	-do-
9	Railway Siding approval	-do-
10	Approval of Diesel storage	-do-
11	Power line from State Discom	-do-
12	Clearanc relating to work under an existing transmission line or shifting of the transmission line	-do-
13	Gramasabha consent	-do-

PART C-PARTICULARS OF LAND		
Sl. No.	**Area**	**Details**
1	Total concession area	64.345 hects.
2	Forest land with status	Total 29.647 hects.(DLC Forest 18.927 hects., Gramya Jungle 10.720 hects.)
3	Govt. land with status	Total 20.300 hects.(Gochar, Road, Smasn, Patita, Bagayat, Bastijogya, Nala, SST etc.)
4	Private land with status	Total 14.397 hects. (ST land 6.786 hects. and Private land 7.611 hects.)
5	Revenue survey details of the area	-