MINERAL BLOCK SUMMARY

[To be made available on the website of e - auction platform]

PART A – GENERAL INFORMATION ABOUT MINERAL BLOCK

	Features	**Details**		
1.	**Location**			
	Mineral Block	Dholtapahar Iron ore Block		
	Latitude			
	1	21°50'11.13855" N		
	2	21°50'34.08851" N		
	3	21°50'34.57854" N		
	4	21°50'12.91054" N		
	5	21°50'12.19012" N		
	6	21°50'12.06361" N		
	Longitude			
	1	85°10'43.73375" E		
	2	85°10'43.53749" E		
	3	85°11'14.26145" E		
	4	85°11'14.63431" E		
	5	85°10'58.24071" E		
	6	85°10'57.81967" E		
	Village	Near Dengula		
	Tahasil/Taluka	Koira		
	District	Sundargarh		
	State	Odisha		
2.	**Area(Hectares/square km)**			
	Total area	0.605sq km		
	Mineralised area	0.405 sq km		
	Non-mineralised area	0.2 sq km		
3.	**Exploration**			
	Status (G2/G3/G4 etc.)	G 2 (General Exploration)		
	Exploration Agency	Directorate of Geology, Odisha		
	Total No. of BHs with meterage	19 boreholes, 982.5 m		
	Borehole spacing (Density)	200m x 100m (31 BHs/sq km)		
4.	**Quantity of Minerals(Grade wise)**			
	Mineral	Iron		
	Total Geological Resource	High Grade Ore (55% Fe cut off)	16.74 mt	HLO (lumpy):0.472 mt
				SLO(fines) :11.861 mt
				Float ore(lumpy): 0.291mt
				Blue dust (fines): 4.116 mt
		Low grade ore (45 to	7.182 mt	SLO(fines) :7.066 mt
				Lateritic Ore (lump): 0.116 mt

		55% Fe)			
		Grand Total	23.922mt		
	Number of mineral zones	01(one)			
	Trend(Dip and strike)	Strike in NNE-NE to SSW-SW dipping at 20°-55° to NW.			
5.	**Grade**	High Grade Ore (55% Fe cut off)	HLO (Lumps) Fe: 62.398% SiO_2:2.60% Al_2O_3:2.128%.	SLO (Fines) Fe:59.467 % SiO_2: 4.054% Al_2O_3:5.278%	Blue Dust Fe:63.724%, SiO_2:2.022% Al_2O_3:1.995%.
			Float ore (lumpy): Fe: 62.85%		
		Low grade ore (45 to 55% Fe)	SLO (Fines) Fe: 50.202%, SiO_2:8.76% Al_2O_3:10.63%.	Lateritic Ore(Lumps) Fe: 48.3%, SiO_2:5.355% Al_2O_3:11.025%.	
6.	**Accessibility**				
	Nearest Rail head	Barsuan under SE Railways is located at a distance of 22 km from Dengula village			
	Road	At a distance of 16 km from Koira			
	Airport	Bhubaneswar. A small air strip exists at Barbil at a distance of 35 km.			
7.	**Hydrography**				
	Local Surface Drainage Pattern (Channels)	The drainage system of the area is controlled by Karo and SarkandaNadi and its tributaries.			
8.	**Climate**				
	Mean Annual Rainfall	1600 mm			
	Temperature (December)	5^0C			
	Temperature (May)	47^0C			
9.	**Topography**				
	Topo Sheet Number	F45N1 (73 G/1)			
	Morphology of the area	The area exhibits a rugged terrain represented by steep rising hill ranges with intervening steep gorges and narrow valleys.			

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

Sl. No.	Particulars	Details/ Status
1	**Forest Clearance**	**To be obtained by the Successful / 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/ 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	
12	Clearances 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	60.507 hects.
2	Forest Land with Status	60.507 hects. (Reserve Forest)
3	Government land with status	Nil
4	Private land with status	Nil
5	Revenue survey details of the area	Nil