SUMMARY OF THE MINERAL BLOCK

(To be made available on the website of e-auction plat form provide)

1.	**Features**	**Details**	
1.	**LOCATION**		
	Mineral Block	Behera Banjipali Limestone Deposit	
	Point ID	**Latitude**	**Longitude**
	A	21°38'24.24853" N	83°30'07.94486" E
	B	21°38'20.77387" N	83°30'10.76729" E
	C	21°38'23.87042" N	83°30'14.29952" E
	D	21°38'25.75000" N	83°30'16.77354" E
	E	21°38'45.54247" N	83°31'04.75253" E
	F	21°38'52.93554" N	83°30'59.18775" E
	G	21°38'57.25718" N	83°31'05.64356" E
	H	21°38'39.04576" N	83°31'20.45292" E
	I	21°38'48.47276" N	83°31'32.90609" E
	J	21°39'00.33597" N	83°31'24.13741" E
	K	21°39'03.53117" N	83°31'29.38028" E
	L	21°39'08.89289" N	83°31'35.97780" E
	M	21°39'12.24858" N	83°31'32.13142" E
	N	21°39'11.79033" N	83°31'31.08000" E
	O	21°39'13.28044" N	83°31'26.99370" E
	P	21°39'13.58172" N	83°31'26.04000" E
	Q	21°38'46.51909" N	83°30'28.96442" E
	T	21°39'28.54033" N	83°31'46.07139" E
	Villages	Behera, Banjipali (abandoned), Jampali and Hulasari R.F	

	Tahasil/ Taluka	Ambabhona		
	District	Baragarh		
	State	Odisha		
2.	**AREA (Hectares/ Square Kilometers)**			
	Total Block Area –1.191 sq km			
	Mineralised Area – 0.544 sq km			
	Non mineralized Area – 0.647 sq km			
3.	**EXPLORATION**			
	Status (G1/G2/G3/G4)	G2 stage of Exploration		
	Exploration Agency			
	Total Number of Boreholes with meterage	Agency	No of boreholes drilled	Meterage drilled in m.
		DMG(O)/DG(O)	27	647.79
		M/s ACC Ltd	9	141
		M/s IDCOL Ltd	16	157.82
		Total	52	946.61
	Borehole spacing/ Borehole density	27 boreholes 300m x 100m (drilled by DG(O)) 25 BHs irregularly closed spaced (driiled by M/s ACC Ltd & M/s IDCOL) Borehole density - 43 BHs per sq km.		
4.	**QUANTITY OF MINERAL (Grade-wise)**			
	Mineral	Limestone Deposit		
	Resource Estimation	Area	HG (Cement) grade Lst (in mt) CaO>40%	LG (blendable) grade Lst (in mt) CaO>35% but <40%	Total (in million tonnes)
		Area considered for resource estimation excluding	3.136	0.932	4.068

		submerged area			
		Mineralized area beyod the boundary of area considered but within the M.L. area	0.215	0.08	0.295
		Total Resource in mt (Indicated)	3.351	1.012	**4.363**

5.	**MINERALISED ZONES**			
	Number of mineral zones	One		
	Trend (Dip and Strike)	Strike- NE-SW and varies from ENE-WSW to N-S Dip-(Shale and Limestone)- 8^0 to 15^0 Quartzite/quartzitic sst-15^0 to 25^0 in northwesterly direction		
6.	Grade		High (Cement) Grade	Low (Blendable) Grade
		CaO %	46.97 %	38.43 %
		MgO %	1.50%	2.17 %
		LOI%	37.94	30.2
		SiO_2 %	9.20 %	22.16 %
		T.C. %	87.37%	71.92 %
	Mineral	Limestone		
7.	**Accessibility**			
	Nearest Rail Head	Baragarh Railway station is approximately 37 km away from the deposit. However, a meter gauge railway link between IDCOL Cement Ltd. and Dungri Limestone Quarry installed by M/s IDCOL was passing close to the area.		
	Road	This deposit is almost equidistant (10km) from Dungri and Ambabhona and well connected by all weather pitch road. From Dist Hqrs. Baragarh the road		

		distance wil be 35 km.
	Airport	Airport of Jharsuguda (in construction stage) is about 180 km from the area
8.	**HYDROGRAPHY**	
	Local Surface Drainage Pattern	The quarry is situated adjacent to Hirakud Dam Project area. The reservoir back water enters the area through two inlets in Holsali hill range caused by faulting and submerges part of the area for about 8 months- During dry season these two inlets serve as outlets. However, Bankijharan nala and its tributaries in the north and a nala flowing west of Kusumda in the south collect all the surface drainage water of the area and drain into Hirakud Reservoir.
	River/ steams	Bankijharan Nala (North) Nala flowing west of Kusmda (South)
9.	**CLIMATE**	
	MEAN Annual Rainfall	1300mm
	Temperature (December)	10^0-12^0
	Temperature (June)	44^0-46^0
10.	**Topography**	
	Toposheet Number	S.I. Toposheet No. F44R10 (64O/10)
	Morphology of the area	The area occupies a narrow valley flanked by two parallel hill ranges i.e Dechuan and Holsari hill ranges on the east and west of the valley respectively. The valley portion is more or less flat and occupied with cultivated lands.