MINERAL BLOCK SUMMARY

PART A-GENERAL INFORMATION ABOUT MINERAL BLOCK		
Sl. No.	**Features**	**Details**
1.	Location	Village: Saruabil, P.O.: Kansa, P.S.: Kaliapani, District: Jajpur, Odisha
	Mineral Block	Saruanil Chromite Block
	Latitude	21°02'42.64" to 21°03'49.65"
	Longitude (Details of corner point Coordinates in the GR)	85°45'35.38" to 85°49'49.92"
	Villages	Saruabil, Kamarda, Talanai
	Tahasil	Sukinda
	District	Jajpur
	State	Odisha
	Area/Hect./Sq km	
	Total Block Area	246.858 Ha.
	Mineralized Area	18.971 Ha.
	Non-mineralized Area	229.887 Ha.
	Exploration	
	Status (G2/ G3/G4)	G1=56.801 Ha., G2=190.057 Ha
	Exploration Agency	Geological Survey of India, M/s Misrilall Mines Pvt. Ltd., Synergy Geotech Pvt. Ltd., SPS Geomining Solutions Pvt.Ltd
	Total Nos. of Bore Holes with meterage	118 Nos., 8279.09 m
	Bore Hole Spacing	100 m, 200m
3	**Qty of Minerals Grade-wise**	
	Mineral	Chromite
	Total Geological Resource as on 1.1.2019 QA+QB+QC Chromite average grade 54,28% Cr_2O_3 Cr_2O_3: 41.55%	10532115 tonnes Quarry A: 297160 tonnes Quarry B: 3334369.80 tonnes Quarry C: 4836445.60 tonnes 8467975.40 tonnes Quarry D: 2064140 tonnes
	Projected Resource as on 31.03.2020 considering the depletion due to production as per EC limit and upto 31.03.2019 (-) (0.35+0.056= 0.406 mt)	**8061975.4 tonnes (Chromite 54.28%)** **2064140 tonnes (Chromite 41.55%)** **Total: 10126115.4 tonnes**

4	**Mineralized Zone**	
	Nos. of Mineralized Zones	03
	Trend (Strike & Dip)	Quarry-A: EW to N60°W & 56°- S56°W Quarry-B: N60°W & 45° - S60°W Quarry-C: N30°E & 45°-N30°W Quarry-D: N32°E to N50°E & 56°-N56°W
5	Total Thickness	Quarry-A (Band-IV): 1-12 meter Quarry-B (Band-IV): 3-12 meter Quarry-C (Band-IV): 3-13 meter Quarry-D (Band-IV): 0.8-2 meter
6.	**Grade**	
	Minerals	+40% Cr2O3: 54.28% (Quarry A, B, C) & for Quarry D: 41.55 % +10-40% Cr2O3: 30.99% The 100% of the ore is friable/fines.
7.	**Accessibility**	
	Nearest Railhead	Tomka at a distance of 16 Km
	Road	Daitari-Paradeep Expressway at a distance of 16 Km.
	Airport	Bhubaneswar at a distance of 145 **Km.**
8.	**Hydrography**	
	Local Surface Drainage Pattern(Channels)	Dendritic
	Rivers/ Streams	Damsala Nala in the northern side of **ML area. Kamarda Nala** across the MLarea.
	Climate	
	Mean Annual Rainfall	1428 mm
	Temperature (December)	8°C
	Temperature (June)	45°C
9.	**Topography**	
	Toposheet	73-G/16
	Morphology of the area	The study area has a peneplained topography with an elevation that ranges from 80 to 100 m. Two main ridges, the Daitari and the Mahagiri, trend NE—SW with an intervening valley fill. Damasal, the major Nala in the area, flows westward.

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**
	Total Concession area	246.858 Ha
	Forest Land with Status	224.633 Ha. (As per Hal Settlement)
	Govt. Land with Status	7.523 Ha : Grazing Land 4.019 Ha : Village Road 3.17 Ha. : Patharabani, 2.428 Ha: Water Body 224.633 Ha : Revenue Forest (S. Jungle, Jungle, G. Jungle)
	Private Land with Status	5.085 Ha: Gharbari
	Revenue Survey details of the area	The ML Area covers parts of Revenua villages Saruabil, Kamrda and Tailangi.