

## Field Report on Sample collection

1	Name of Mine	Pimperkunta Manganese Mine.
2	Mine Code	40APR01012
3	State	Telangana
4	District	Adilabad
5	Village	Pimperkunta
6	Area in Hectare	32.63
7	Name of Mineral	Manganese
8	Brief Geology of the deposit with rock types/ore found in the mine	In general, manganese ore occurs as thin lenses in association with chert and jasper of the Penganga Group of sediments. The subject area and its surroundings fall under the Penganga Formation, which comprises soil cover and siliceous limestone with thin bands of manganese ore intercalated with chert and jasper. The manganese ore occurs as stratified thin bands ranging from 0.3 to 0.7 meters (average 0.5 meter) within the limestone layers.
9	Mineral (Reserve+ Remaining Resources) Total Resources:	69305 (as on 25.03.2024)
10	Grade of the mineral	Avg. grade of Mn is 27% (Minimum 14.60% to Max.35%)
11	Annual Production Capacity	2670 tonnes
12	Production during previous year (2023-24)	Nil
13	End use grade	Below 25% and 25 to below 35%Mn ore.
14	Major users of the mineral based on returns submitted	Silico- Manganese and Ferro-Manganese plants
15	Number of working pits with dimension	02working pits (Pit-1: 55m X 25m & Pit-2: 45mX25m)
16	Number of dumps with dimension and capacity	
	(a) Waste dump	01 (46mX35m) and apx. Capacity : 6440 cu.mtr.
	(b) Subgrade/mineral reject dump	Nil
	(c) Screen reject dump	Nil
	(d) Tailing dump	Nil
	(e) Tailing pond	Nil

(A) WASTE DUMP SAMPLES

Dump No	Dump dimension (L*B*H) in m	Geocoordinate	Sample No. with Geocoordinate
1	46mX35mX4m	19°44'44.90"N;78°29'7.78"E	40APR01012-TNG-Mn-WD-01

(B) SUBGRADE/MINERAL REJECT DUMP SAMPLES

Dump No	Dump dimension (L*B*H) in m	Geocoordinate	Sample No. with Geocoordinate
1	Nil		

(C) SCREEN REJECT DUMP SAMPLES

Dump No	Dump dimension (L*B*H) in m	Geocoordinate	Sample No. with Geocoordinate
1	Nil		

(D) TAILING POND SAMPLES

Tailing Pond No	Dimension (L*B*D) in m	Geocoordinate	Sample No. with Geocoordinate
1	Nil		

(E) TAILING DUMP SAMPLES

Tailing dump No	Dimension (L*B*D) in m	Geocoordinate	Sample No. with Geocoordinate
1	Nil		

(F) MINERAL STACK SAMPLES

Mineral Stack No.	Dimension (L*B*D) in m	Geocoordinate	Sample No. with Geocoordinate
1	Nil		

(G) MINE FACE SAMPLES

Stope/Pit No.	Dimension (L*B*D) in m	Geocoordinate	Sample No. with Geocoordinate and (rock/.ore type)
1	55mX25mX8m	19°44'46.35"N;78°29'7.83"E	40APR01012-TNG-Mn-MF Ore-01-P1 (Manganese with chert and Jasper)
			40APR01012-TNG-Mn-MF OB-02-P1 (Siliceous Limestone)
2	45mX25mX3m	19°44'46.51"N;78°29'6.85"E	40APR01012-TNG-Mn-MF Ore-03-P2 (Manganese with chert and Jasper)
			40APR01012-TNG-Mn-MF OB-04-P2 (Siliceous Limestone)

**Geo-tagged field photographs of sample collection**

