

B P RATURI EX - GM (EXPLORATION, MECL Lane N0 -7, New Garhwal Colony, Near Malsi Puliya Balawala, Dehradun- 248019 Uttarakhand	Shri P Ravindran General Manager (Exploration) Mineral Exploration & Consultancy Limited Baba Saheb Ambedkar Bhawan High Land Drive Road, Seminary Hills Nagpur -440006 Maharashtra
NO- Peer Review/ NMET/REPORTS/ 2024-25/6	Dated – 22-03-2025
Reference N0-1- Peer Review/ NMET/REPORTS/ 2024 -25/ 1200	Dated- 10-03-2025
N0-2- Peer Review I FN 44/1/2017- NMET- email	Dated- 24-02-2025

SUBJECT- Regarding Peer Review Comments of Geological Report on “Preliminary Exploration (G-3 Stage) for Iron & Bauxite in Majhauri Block (4.43 sq. km. area), District- Jabalpur, Madhya Pradesh.”

The Geological Report “**Preliminary Exploration (G-3 Stage) for Iron & Bauxite in Majhauri Block (4.43 sq. km. area), District- Jabalpur, Madhya Pradesh.**” is a very well written report in view of **G-3** Level of Exploration. The field exploration work, data compilation, primary & secondary data compilation and finalisation of report has been carried out very nicely. However, on study of the report the following points are observed and suggested for further improvement of the quality of the report.

- 1- The block area shown in the chapter- 1, 4 & 5 is 4.43 sq km but in the Location map & Geological Map the area is shown as 3.94 Sq. km. The difference may be explained.
- 2- MECL, carried out Reconnaissance Survey (G-4 stage Exploration) in the Salaya Block from which the Majhauri (G-3) Block has been carved out as reported in the Geological Report. In view of above it suggested to give the Regional Geological map Showing the location of Salaya Block.
- 3- In the chapter N0-12, Para 12.1.2 it is mentioned that Iron ore samples are powdered to -200 mesh size and Gold Samples to -100 mesh size whereas in the other chapters where ever the reference of sample preparation is there it is mentioned that the iron samples are powdered to -100 mesh size. Gold sample preparation was not in the approved quantum of work of the Block, the same may be corrected accordingly.
- 4- List of Field photographs along with its location details may be given in the Contents as given for List of Annexure & List of Plates.
- 5- The corrections indicated in the Bulk Density data measured in the Block (Annexure-V) may be incorporated and the same may be used in Estimation of Resources of Aluminous Laterite The details are given below.

Annexure- V/1								
Statement Showing Bulk Density Data Measured at Majhauri (G-3) Block for Iron & Bauxite, District- Jabalpur, Madhya Pradesh.								
Sl. NO.	Pit NO with Bh NO	Easting	Northing	Weight of Excavated Material (Kg)	Weight of Excavated Material (tonnes)	Volume of Pit filled by fine sand (m3)	Bulk density (t/m3) (As given in the report)	Bulk density (t/m3) (To be corrected)
1	BD Pit-1 (MBM-1)	418024.46	2605476.38	263.12	0.26	0.17	1.548	1.530
2	BD Pit-2 (MBM-2)	417731.56	2605438.66	319.08	0.32	0.23	1.387	1.387
3	BD Pit-3 (MBM-4)	416207.13	2603262.65	370.12	0.37	0.25	1.480	1.480
4	BD Pit-4 (MBM-5)	416478.62	2603465.54	239.40	0.24	0.18	1.230	1.330
5	BD Pit-5 (MBM-3)	417209.89	2604739.01	270.62	0.27	0.22	1.330	1.230

- 6- In addition to the above corrections suggested in the hard copy of the Geological Report (i.e., Text, Annexure and Plates) may be attended.



Bhagwati Prasad Raturi
G M (EXPLORATION & G. S) -Retd
MECL.

Copy for Information to

The Director NMET Secretariat, Room No.325 & 326, Wing - F, Udyog Bhawan, Rafi Ahmed Kidwai Marg, Rajpath Area, Central Secretariat, New Delhi-110011.

Sl. No.	Comments	Action
1	The block area shown in the chapter- 1, 4 & 5 is 4.43 sq km but in the Location map & Geological Map the area is shown as 3.94 Sq. km. The difference may be explained.	Initially, before the DGPS survey, the block area was 3.94 sq. km. However, during mapping, it was observed that portions of lateritic bodies 3 and 5 extended beyond the block boundary. To fully include these bodies, boundary point F was slightly adjusted, resulting in an increase in the total block area to 4.43 sq. km. Corrections in Location map and Geological map has been incorporated.
2	MECL, carried out Reconnaissance Survey (G-4 stage Exploration) in the Salaya Block from which the Majhauri (G-3) Block has been carved out as reported in the Geological Report. In view of above it suggested to give the Regional Geological map Showing the location of Salaya Block.	As suggested, Salaiya block have been shown in the Regional geological map.
3	In the chapter No.-12, Para 12.1.2 it is mentioned that Iron ore samples are powdered to -200 mesh size and Gold Samples to -100 mesh size whereas in the other chapters where ever the reference of sample preparation is there it is mentioned that the iron samples are powdered to -100 mesh size. Gold sample preparation was not in the approved quantum of work of the Block, the same may be corrected accordingly.	Corrected accordingly
4	List of Field photographs along with its location details may be given in the Contents as given for List of Annexure & List of Plates.	List of Field photographs along with its location details has been provided in the contents of the geological report.
5	The corrections indicated in the Bulk Density data measured in the Block (Annexure-V) may be incorporated and the same may be used in Estimation of Resources of Aluminous Laterite	Corrections in the Bulk Density data measured in the block (Annexure- V) have been attended.
6	In addition to the above corrections suggested in the hard copy of the Geological Report (i.e., Text, Annexure and Plates) may be attended.	Corrections as mentioned in the hard copy of Geological Report (i.e. Text, Annexure and Plates) have been attended.