

From	To
Shri M.Mohan	GM,Exploration
(Dy Director General,Retd, GSI)	MECL
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Dated: 25.03.2025

Sub: Peer Review of "Geological Report on Preliminary Exploration(G-3 stage) for Manganese and Graphite in Bharatbahal Block,(2.013 sq.km)district Balangir,ODISHA"-Reg

Ref:Your letter No ; MECL/EXPL/File/NMET/P.R./2024-25/1186 Dated 07.03.25

Sir

After peer review i am sending back the said report with comments in the enclosed page.

Yours faithfully



(M.Mohan)

(Dy Director General,Retd, GSI)

25.3.25

“Geological Report on Preliminary Exploration(G-3 stage) for Manganese and Graphite in Bharatbahal Block,(2.013 sq.km)district Balangir,ODISHA”-

COMMENTS:

1.**CONTENTS**; Edit the chapter Headings and numbers as suggested. In the description part (of the Contents) ^{write} provide the heading only, not the complete description. For eg; under chapter 5, it is pertinent to write **5.0.0 PHYSIOGRAPHY AND ENVIRONMENT** . Relief, road, flora and fauna etc.. heading need not be given, since these details are explained in the text part (page 12 to 16).

List of Tables: From table 2.1 to 19.2 (CONTENT PAGE) it may be written as 'Details.....in Bharatbahal block, Bolangir, Odisha.

2. Spelling corrections are to be made as pointed out in the text, annexure, table and plates.

3. Repetition of observations/points should be avoided as noted in page no 20 and 21 and other pages.

4. Executive summary: page iii . Number of boreholes drilled in G3 and G4 should be explained clearly with total meters/number of BH respectively.

5. **Page 29**: Summary of Manganese and Graphite resources. The font size is small, since the table contains important data, increase the font size suitably.

6. Page 40. Sl no 5 core drilling. With meterage of drilling, provide the total no of BH drilled.

7. Page 50: ICPMS analysis report and Raman Spectroscopy report of 5 BH core samples are to be incorporated in this report after receiving the results.

8. Annexure VI 9 : Correct the spelling as **Kaolinised, Manganiferous**, VII 2 **Graphite**, VIII 18 to 21 **Manganiferous**.

9.PLATE III: GEOLOGICAL MAP;Major lithounits are not reflected in the Index.

Vast area of quartzite/quartz vein is shown on detailed map.since the detailed map is on **1:2000** scale,additional structural data should have been recorded.

10.Geological cross section: Litholog is very important along borehole cross section. Mineralised part and assay are shown along the boreholes.summaraised litholog should be provided along the boreholes.

11. The authors may be asked to attend to other corrections/modifications suggested in the text/hard copy of the report.



(M.Mohan)

(Dy Director General,Retd, GSI)