**PEER REVIEWER’S COMMENTS AND JUSTIFICATIONS ON “GEOLOGICAL REPORT ON THE PRELIMINARY EXPLORATION (G-3) FOR MANGANESE IN NAGARDHAN BLOCK**

**DISTRICT: NAGPUR, STATE: MAHARASHTRA”**

(Comments by Shri. Sarat Kumar Jena, Dy. Director General (Retd.), GSI)

| **Sl. No.** | **Comments** | **Justifications** |
| --- | --- | --- |
|  | **A- TEXT** |  |
| 1 | Page 5,Ch. 1.5 – pl mention Reasons for the short fall in target (due to few Mn ore zones exposed on the outcrops as well as intersected at depth along boreholes within the block.) | Attended |
| 2 | Page-6, Ch 1.6.2- the amount of dip of southern manganese ore zone to be mentioned. | Attended |
| 3 | Page 38,   1. 7.8.3- whether trend of manganese ore zones parallel to the trend of host rock? 2. Ch. 7.8.5- instead of “segment of the same folded manganese band” , Limbs of same folded Mn bands to be mentioned. | Attended |
| 4 | Page 46, Ch.10.6.1 – The radicals analysed as described in the text is not tallying with that of Annexures- IV & V and some chapters in the text. pl check with Laboratory and made corrections where ever necessary and make it uniform in the body of the report. | Attended |
| 5 | Page no.47 , Table 10.1 – target achieved for trenching ( 57 cu.m) is not tallying with the text at page 70 (127cum).pl check and made corrections wherever applicable. | Attended |
| 6 | Ch-13.1.1 -The level of intersections of orebody planned in the angle boreholes to be mentioned | Attended |
| 7. | Page 72, Table 20.1- detail resource estimation chart should be given i.e cross sectional area for Individual cross sections, strike influence, sp.gr/bulk density, in the table 20.1 | Attended |
|  | **B. ANNEXURES** |  |
| 8. | Annexure no. VI analysis result of check samples to be included in the final report. | Attended |
| 9. | Annexure-V - Name of radicals in the columns of Primary analysis may be checked and rearranged in the tables. Value of MnO2 should not be Less than Mn%. So verify the radicals analysed with Lab. | Attended (Annexure has been rectified. Lab results are correct) |
| 10. | All the marginal comments given in the text etc may be attended. | Attended |
| 11. | The geological report is completed with available field output and interpretation. Some more geophysical studies may be required for probing hidden ore bodies if any at greater depth. | Agreed |

**GENERAL OBSERVATIONS AND SUGGESTIONS FOR MODIFICATIONS**

**In the peer reviewed report titled “ Geological report on the Prelimnary exploration(G3) for Manganese in Nagardhan block, District Nagpur, state: Maharastra.**

**A- TEXT**

1. Page 5,ch. 1.5 – pl mention Reasons for the short fall in target ( due to few Mn ore zones exposed on the outcrops as well as intersected at depth along boreholes within the block.)
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i.7.8.3- whether trend of manganese ore zones parallel to the trend of host rock?

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8 . Annexure no VI analysis result of check samples to be included in the final report.

1. A-V - Name of radicals in the columns of Primary analysis may be checked and rearranged in the tables. Value of MnO2 should not be Less than Mn%.So verify the radicals analysed with Lab.
2. All the marginal comments given in the text etc may be attended.

The geological report is completed with available field output and interpretation. Some more geophysical studies may be required for probing hidden ore bodies if any at greater depth.



Dt. 21-03-2025 ( S.K.Jena)