MINUTES OF THE 10th TECHNICAL COMMITTEE MEETING OF NMET, HELD ON 29th JULY, 2017 AT GSI, BANGALORE, KARNATAKA.

The 10th meeting of the Technical Committee of the NMET was held on 29-07-2017 at RSAS, GSI, Kumarswamy Layout, Bangalore, Karnataka under the Chairmanship of Dr. Manoranjan Mohanty, Dy. Director General, GSI, RSAS Bangalore. Dr. Manoranjan Mohanty welcomed the members of Technical Committee and other participants from different Organisation & State DMG, Karnataka. List of members participated in the meeting is annexed. Chairman appraised the committee regarding proposals to be discussed in the meeting. He requested all the member participants from different organisation & State DMG to give their introduction as some of the participant in the meeting are new. Detailed deliberations of the meeting are recorded as below:

10.01.00		
	10.01.01	The Chairman welcomed the participants and initiated the proceedings. He highlighted that the meeting is on the request of DMG, Karnataka to discuss the proposal of RMMPL exploration block which is to be completed at the earliest so that the auction of block can be started. Chairman advised MECL representative to present the proposal and agenda item wise.
	10.01.02	Shri. B. P. Raturi, Dy G.M. (Exploration) presented the proposal & other items of NMET funded projects. As per decision of 5th Meeting of Technical Committee of NMET, MECL taken up the work of Topographical Survey & Geological Mapping of the proposed Block and prepared the Map with present position of Mining already carried out by the lessee and surface contours after mining activities. Based on the accessibility of area & availability of ground location for drilling borenoles detailed exploration proposal for G-2/G-3 stage of exploration of BRH Iron Ore Mines, NEB Range M/s RMMPL, ML NO. 2010, Village – Papinayakanahalli, District- Bellary, Karnataka was prepared and put up for discussion in the meeting.

The proposal was discussed & deliberated in detail and from the proposal it was observed that most of the boreholes are proposed at 100m strike interval. The committee decided that in the initial stage Boreholes shall be drilled at 200m strike interval and if the boreholes drilled at 200m interval intersect potential Mineralised bands of iron ore then the boreholes at 100m interval shall be drilled.

The planning of boreholes to be drilled were discussed section wise and the details are given below

1. **In view of non accessibility for drilling of Boreholes in the section Line No S-1, S-4, S-8, S-15, S-17, S-23, S-25, S-30, S-32, S-35, S-41 & S-47 boreholes are not proposed.**
2. In Section line S-2 the proposed borehole No PBH-34 & 32 to be drilled Vertical (Phase-I)
3. **In Section Line S-3 the proposed borehole PBH-31 (Phase-II) to be drilled after receiving the results of PBH-34.**
4. In Section Line S-5 the proposed Borehole PBH-33 to be drilled at shifted locations and to be drilled inclined (Phase-I).
5. **In Section Line S-6 the proposed borehole S-30(Phase-II) to be drilled after receiving the results of boreholes drilled in section line S-5 and PBH-35 not required.**
6. In Section Line Number S-7 the proposed borehole PBH-29 to be drilled as proposed (Phase-I)
7. In Section line S-9 the proposed Borehole PBH- 28 to be drilled as proposed (Phase-I).
8. **In section line S-10 the proposed Borehole PBH- 27 (Phase-II) to be drilled after receiving the results of boreholes drilled in section line S-9.**
9. In section line S-11 the proposed borehole PBH-87 to be drilled as proposed in Phase-I and PBH-57 to be drilled after shifting to west for intersection of Massive ore near S-10.
10. **In Section Line S-12 the proposed borehole PBH-25 to be drilled as proposed in Phase-II after receipt of results of borehole No PBH-87.**
11. In section line S-13 the proposed borehole PBH-24 to be drilled as proposed in Phase-I and **PBH-59 in changed location in Phase-II.**
12. In section line S-14 the proposed borehole PBH-23 (Vertical) and PBH-60 to be drilled in Phase-I
13. In Section Line S-16 the proposed borehole PBH-91 to be drilled in Phase-I near Laminated Ore and PBH-36 not required.
14. In Section Line S-18 the proposed borehole PBH-89 to be drilled in change location PBH-37, PBH-88 & PBH-90 not required.

15. In Section Line S-19 the proposed borehole PBH-38 to be drilled vertical (Phase-I). **Proposed Borehole No PBH-22 in Phase-II as proposed** and FB-12 not required.
16. **In Section Line S-20 the proposed borehole PBH-21 to be drilled (Phase-II).**
17. In Section Line S-21 proposed borehole No PBH-39 Not required.
18. In Section Line S-22 the proposed borehole PBH-86 to be drilled (Phase-I) and PBH-92 not required.
19. In Section Line S-24 the proposed borehole PBH-19 to be drilled (Phase-I).
20. In Section Line S-26 the proposed borehole PBH-17 & PBH-62 to be drilled as proposed (Phase-I).
21. In Section Line S-27 the proposed borehole PBH-41 to be drilled vertical and PBH-63 to be drilled as proposed (Phase-I).
22. In Section Line S-28 the proposed borehole PBH-83 to be drilled (Phase-I) and PBH- 42 & PBH-64 not required.
23. In Section Line S-29 proposed Borehole PB-43 not required.
24. In Section Line S-31 the proposed borehole PBH-13 to be drilled (Phase-I).
25. In Section Line S-33 the proposed borehole PBH-45 to be drilled vertical (Phase-I).
26. In Section Line S-34 the proposed borehole PB-12 & PB-46 not required.
27. In Section Line S-36 the proposed borehole PBH-47 to be drilled vertical and PBH-11 to be drilled as proposed (Phase-I).
28. **In Section Line S-37 the proposed borehole PBH-82 to be drilled as proposed (Phase-II)** and PB-48 & PB-65 not required.
29. In Section Line S-38 the proposed borehole PBH-9 to be drilled vertical (Phase-I) and PBH-49 & PB-66 are not required.
30. In Section Line S-39 the proposed borehole PBH-8 to be drilled as proposed (Phase-I) and PB-67 not required.
31. In Section Line S-40 the proposed borehole PBH-68 & PBH-61 to be drilled as proposed (Phase-I).
32. In Section Line S-42 the proposed borehole PBH-69 to be drilled as proposed (Phase-I) and PB-79 not required.
33. In Section Line S-43 the proposed borehole PBH-77 to be drilled as proposed (Phase-I) and PB-78 not required.
34. In Section Line S-44 the proposed borehole No PB-76 & PB-80 not required.
35. In Section Line S-45 the proposed borehole PBH-75 to be drilled as proposed (Phase-I).
36. In Section Line S-46 the proposed borehole PBH-3 to be drilled as

		proposed (Phase-I) and PB-55 & PB- 73 not required. 37. In Section Line S-48 the proposed borehole PBH-1 not required. Thus a total of 3355m of drilling in 33 boreholes is to be drilled in Phase-I and 815m of drilling in 8 Boreholes in Phase-II. The matter of Core drilling & RC drilling was also discussed in detail and the IBM representative suggested that the ratio of Core drilling & RC drilling may be kept 80% & 20% respectively. The committee members agreed with the suggestion.
	10.01.03 Project Review	**Shri. B. P. Raturi presented the work carried out by MECL in the Kesharpur South Block (ODS-09) for Copper exploration, District-Mayurbhanj, Odisha.** The Geological Mapping, Geochemical sampling and analytical work in the block has been completed in the Block was presented. The Geological Map prepared by MECL is evaluated for carrying out the Geophysical Survey in an area of 6.00 Sq. km in North Western part of the block as proposed by MECL. After detailed discussion the following is observed MECL proposed Magnetic, Induced Polarisation, Resistivity & Self Potential Geophysical Survey in the selected Block of 6.00 Sq. km. area after receiving the analytical results of Geochemical. After detailed discussion the committee decided that magnetic survey may be carried out in the entire 6 Sq.km area in 62 line Km area with 3119no of stations. Whereas IP & Resistivity Survey may be carried out in zone A of 4.6 Sq.km area in 12 profile lines of 4.125 Km length each at 100 m profile interval. The total IP & Resistivity Survey will be carried out in 49.5 line Km and 2475 no of stations.

The 10th Meeting of the Technical Committee of NMET ended with vote of thanks.

List of participants attended the 10th meeting of Technical Committee of NMET held on 29th July at GSI, Bangalore

Sl. No.	Name	Designation and Address	Represented As
1	Dr. M. Mohanty	Dy. Director General, RSAS, GSI, Bengaluru	Member as Chairman
2.	Shri S K Thakur	General Manager (Exploration), MECL	Member Secretary
3	Shri J. V. Rama Rao	Director (Geophysics) GSI Southern Region Hyderabad	Member
4.	Shri C. Parthasarathi	Suptdg Geologist, GSI, Central Region, Nagpur	Member
5	Dr. A.N. Murthy	Regional Mining Geologist, IBM, Bangalore	Representing IBM Member
6.	Shri R P Rabur	DGM (Exploration), MECL, Nagpur	Invitee
7.	Shri Shashikant Reddy	Joint Director, DMG, Karnataka	Invitee
8	Shri Yuvraj	Sr. Geologist, DMG, Karnataka	Invitee
9.	Shri M. A. Karim	Dy. DG, GSI, State Unit Karnataka	Invitee

(Shri C. Parthasarthi)
Suptdg. Geologist
Representative of NMH-II
GSI, Nagpur

(Dr. A. N. Murthy)
Regional Mining Geologist,
Indian Bureau of Mines, Bangalore

Shri J.V. Rama Rao
Director (Geophysics) &
Member Technical Committee NMET,
GSI Southern Region Hyderabad
Bandlaguda Hyderabad-500068

(Shri S. K. Thakur)
GM- Exploration, MECL & Member Secretary
Technical Committee of NMET

(Dr Manoranjan Mohanty)
Dy Director General GSI &
Member Technical Committee NMET (As Chairman)
RSAS, GSI, Bangalore
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