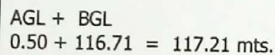


(Not to Scale)



detail of Strata

Logging Report

Date 14-10-2023

M/s Megha Engg. Infr. Ltd.

E&M

Assistant Engineer

E&M

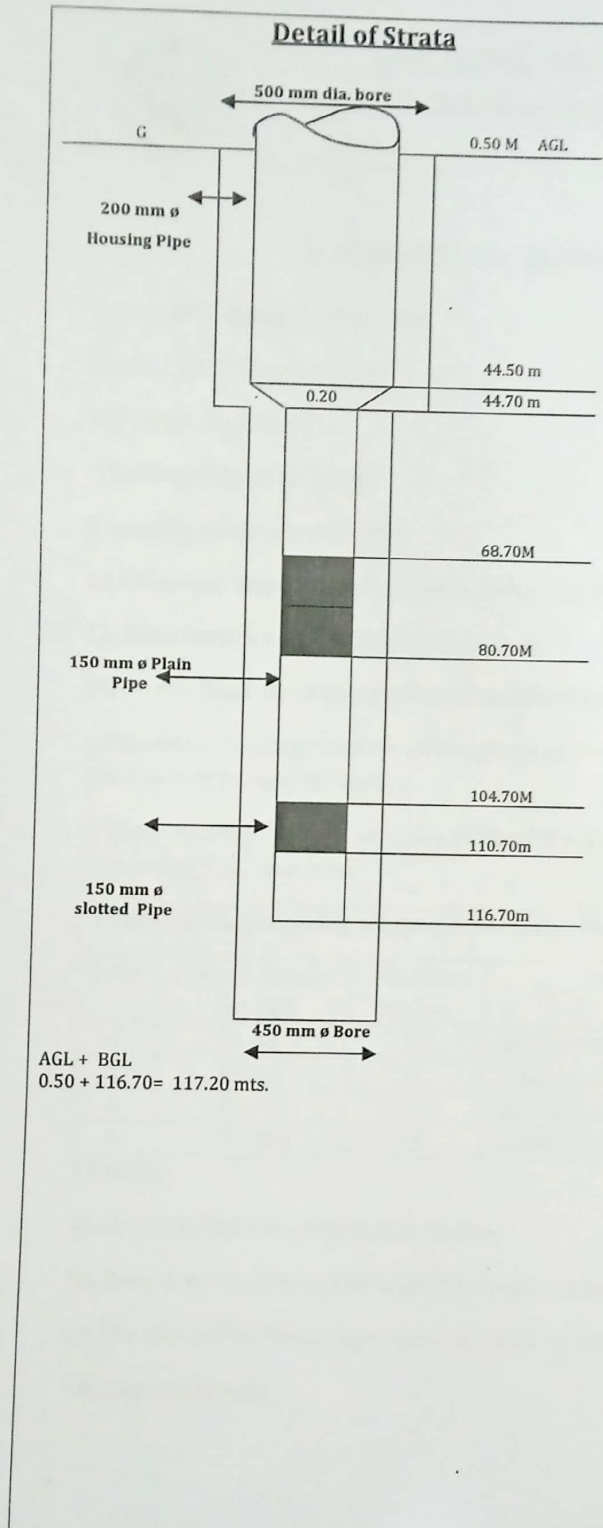
Executive Engineer

E&M

MEGHA ENGINEERING & INFRASTRUCTURE LIMITED

Proposed Completion Plan of Tube well Assembly Chart cum strata Chart For Gp SEMARI Block -PUREDALAI water supply scheme, District- Barabanki

(Not to Scale)



Detail of Lowering

Date- 18/10/2023

1	Drilling depth	165 mts.
2	Drilling by contractor	D/C. Rig W/C
3	Total housing pipe dia 200 mm	45 mt.
4	Total Plain pipe dia 150 mm	54.00mt.
5	Total Slotted pipe dia 150 mm	18.00 mt.
6	Size of assembly lowering	200mm x 150 mm
7	200mm x 150 mm M.S. Reducer	0.20 mt
8	Discharge	300 LPM

Detail of Strata

From (m)	To (m)	Thick (m)	Desperation of the Strata
0.00	10.00	10.00	Surface Clay
10.00	15.00	5.00	Clay Kankar
15.00	42.00	27.00	Fine sand
42.00	48.00	6.00	kankar
48.00	54.00	6.00	Fine sand
54.00	65.00	11.00	Clay kankar
65.00	68.00	3.00	Fine sand
68.00	81.00	13.00	Medium sand
81.00	86.00	5.00	Fine sand
86.00	100.00	14.00	Clay kankar
100.00	104.00	4.00	Fine sand
104.00	111.00	7.00	Medium sand
111.00	121.00	10.00	Fine sand
121.00	165.00	44.00	Fine sand

Logging Report

Date 14-10-2023

Sl. N.	Depth Range (mbgl)	Thickness (m)	Remark
1	15-42	27	Good
2	48-54	6	Good
3	65-86	21	Good
4	100-165	65	Good

M/s Megha Engg. Infr. Ltd.

Assistant Engineer

Executive Engineer

E&M

E&M





**GROUND WATER DEPARTMENT
GOVERNMENT OF UTTAR PRADESH**



GEOPHYSICAL BOREHOLE-LOGGING REPORT

1. Date of Logging: 14/10/2023
2. Village: Semari
3. Location: Primary School
4. Block: Pure Dalai
5. District: Barabanki
6. Latitude & Longitude: 26.9464 & 81.6600.
7. Drilling depth: 165m bgl
8. Logging depth: 165 m bgl
9. Logging Company: UP GWD
10. Bore hole drilled by: VTL
11. Recorded Geophysical log data: SP, Natural gamma & Resistivity (16 N & 64 N).
12. (i) Resistivity of Mud (R_m): 3.60 ohm-m. (ii) Resistivity of fresh water (R_f): 3.2 ohm-m.
13. On the basis of interpretation of recorded log data in open hole detail report is made as follows:-
(a) **Aquifer:** The depth zones with high resistivity and relatively low Natural Gamma radioactivity values are referred as Aquifer Zones.
(b) **Clay:** The depth zones with less resistivity and relatively high Natural Gamma radioactivity values are referred as Clay zones.00

Based on the downhole Geophysical Parameters following information (Granular zones) deciphered:-

S.No	Depth Range (m bgl)	Thickness (meter)	Lithology	Aquifer Recommendation	Remark (Quality of aquifer water)
1.	15-42	27	Medium to fine sand	Recommended	Good
2.	48-54	6	Medium to fine sand	Recommended	Good
3.	65-86	21	Medium to fine sand	Recommended	Good
4.	100-165	65	Medium to fine sand	Recommended	Good

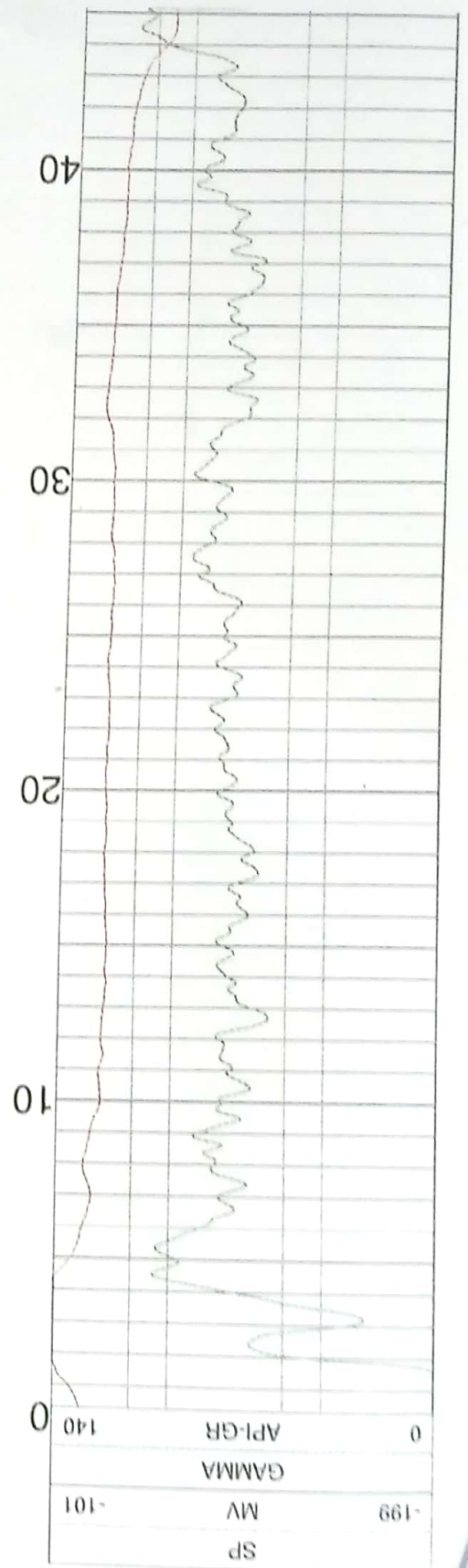
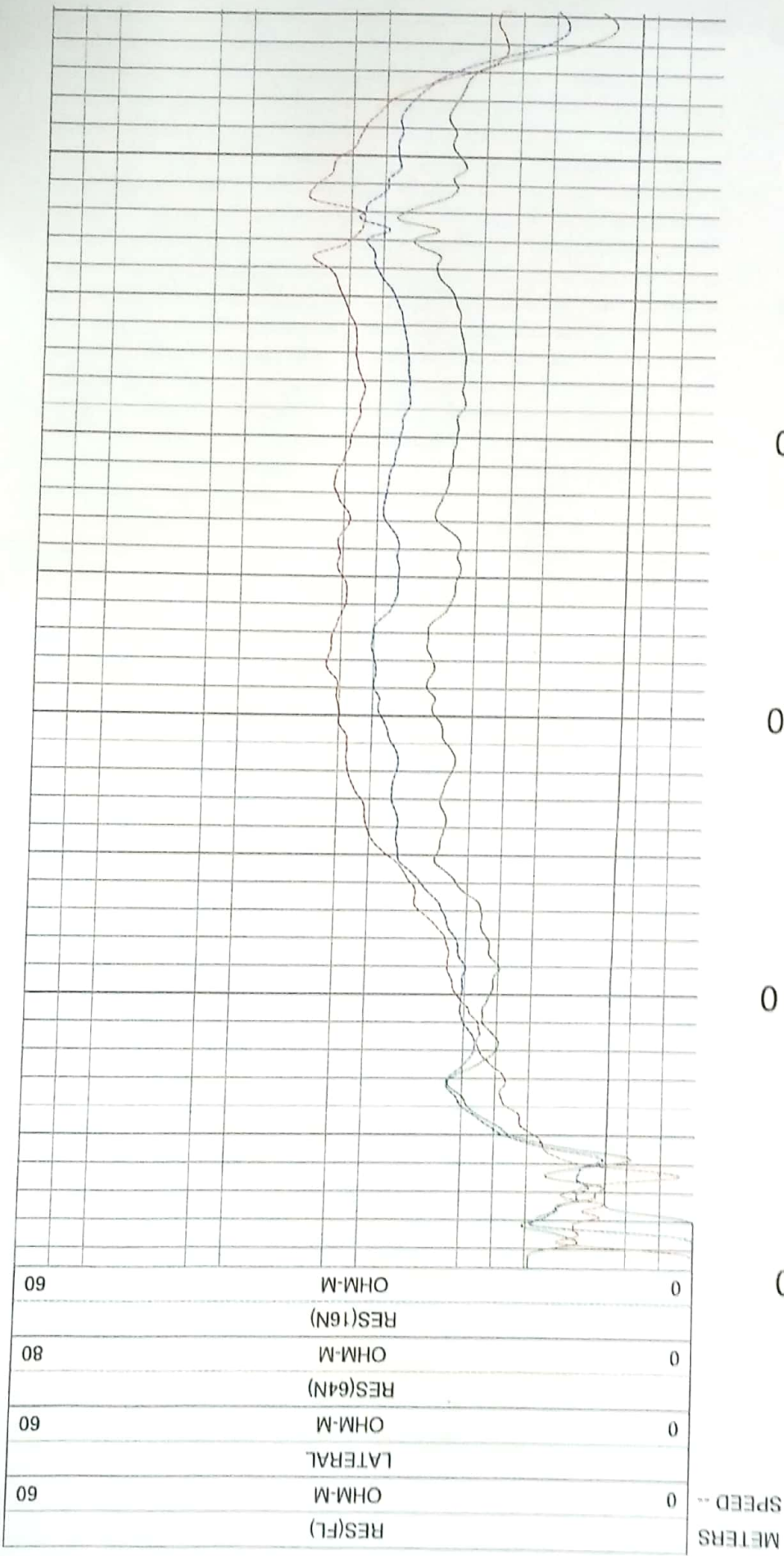
14. Note:-

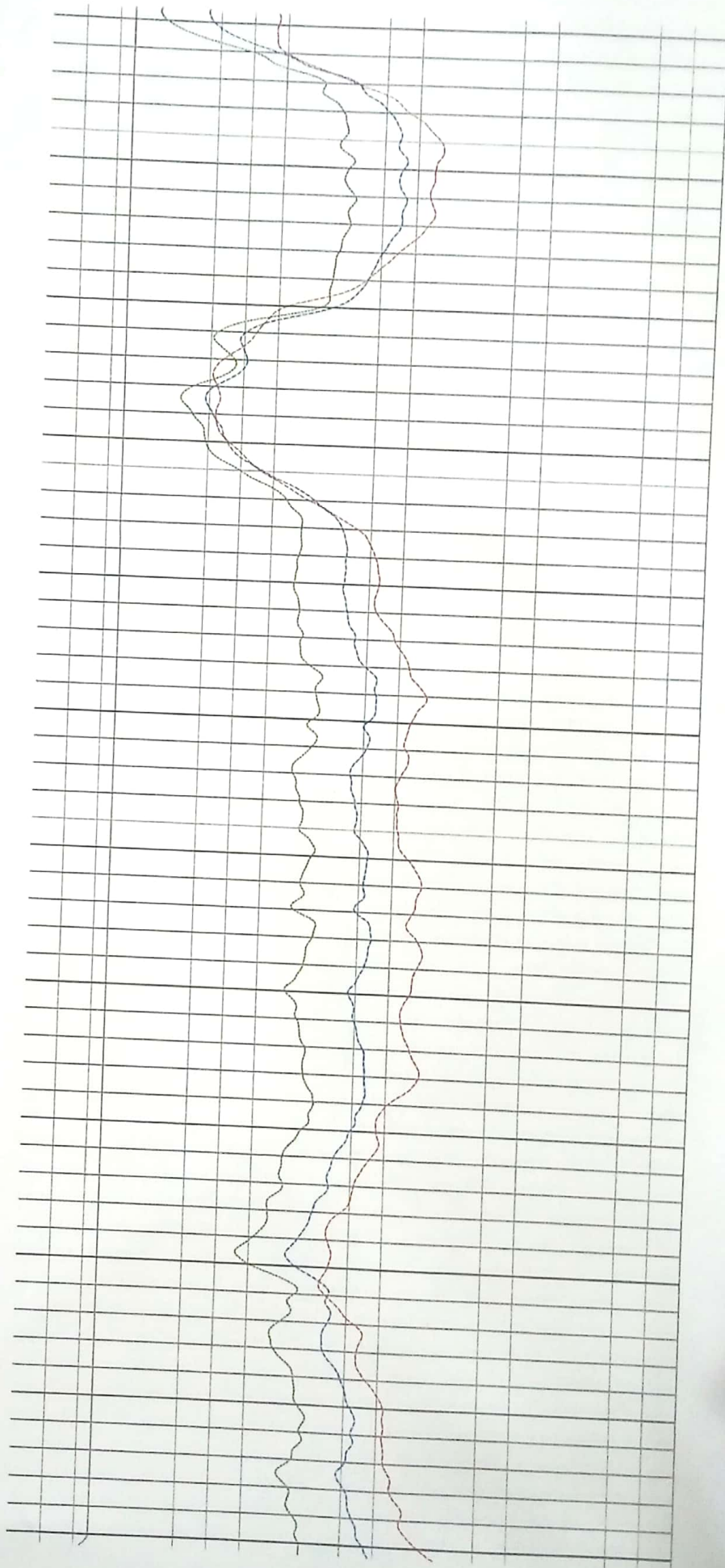
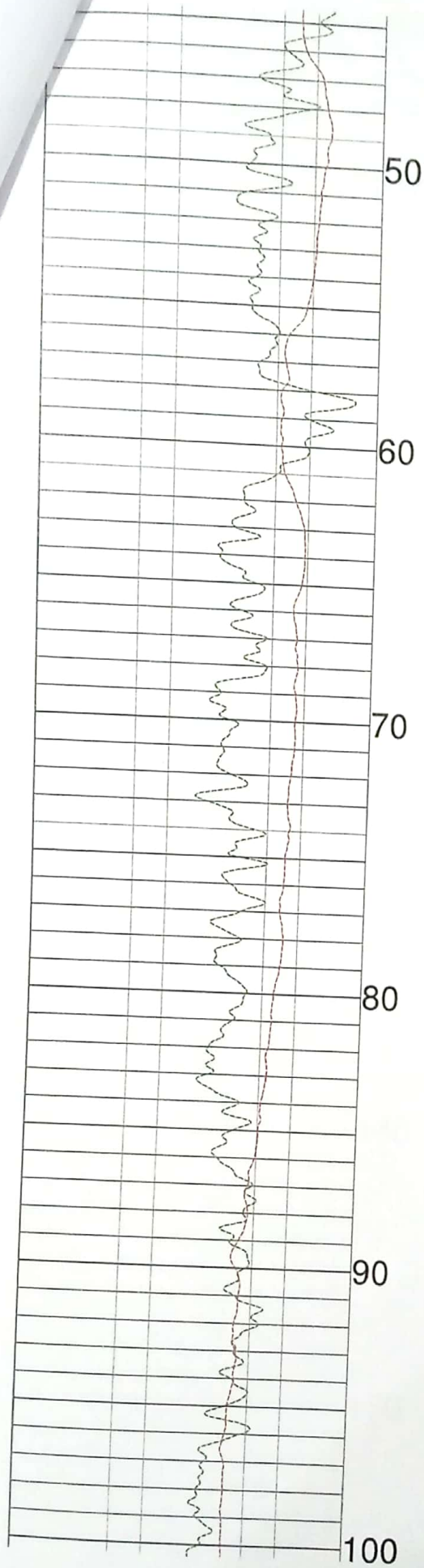
- (i) All Zones are intermixed with kankar.
(ii) Zone 3 & 4 is intermixed with thin layers of kankar.

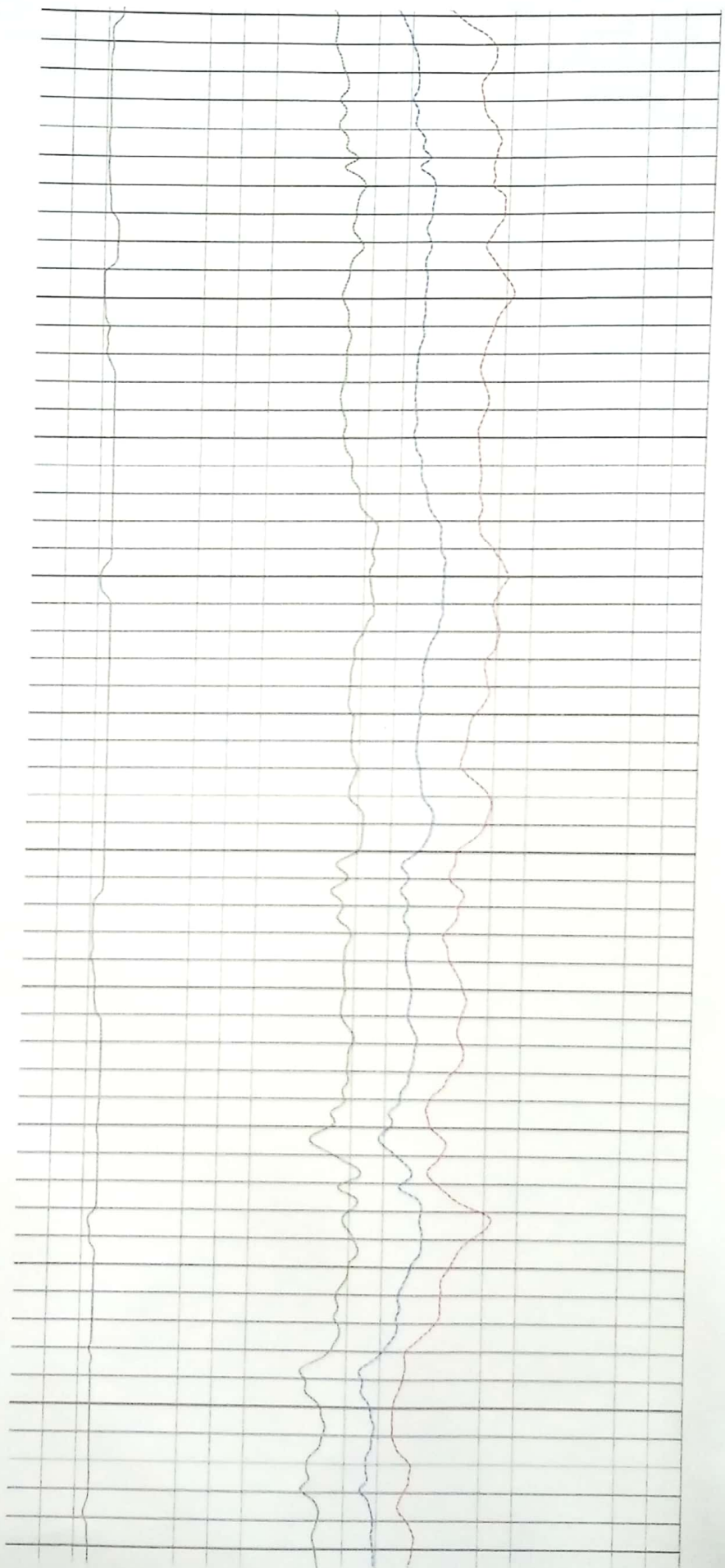
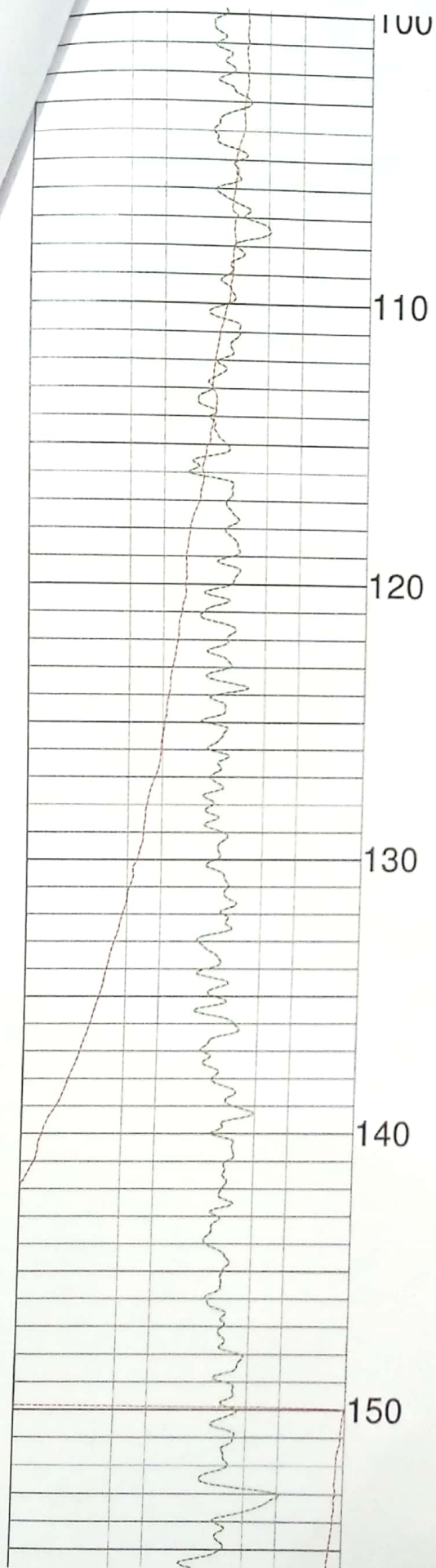
15. Quality of the formation water is good up to Logging depth.

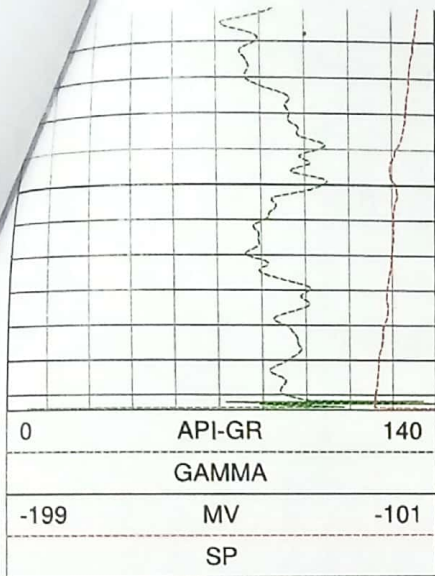
16. Log Attached.

Rajendra Kumar
Rajendra Kumar
Geophysicist
National Hydrology Project
Ground Water Department, U.P.



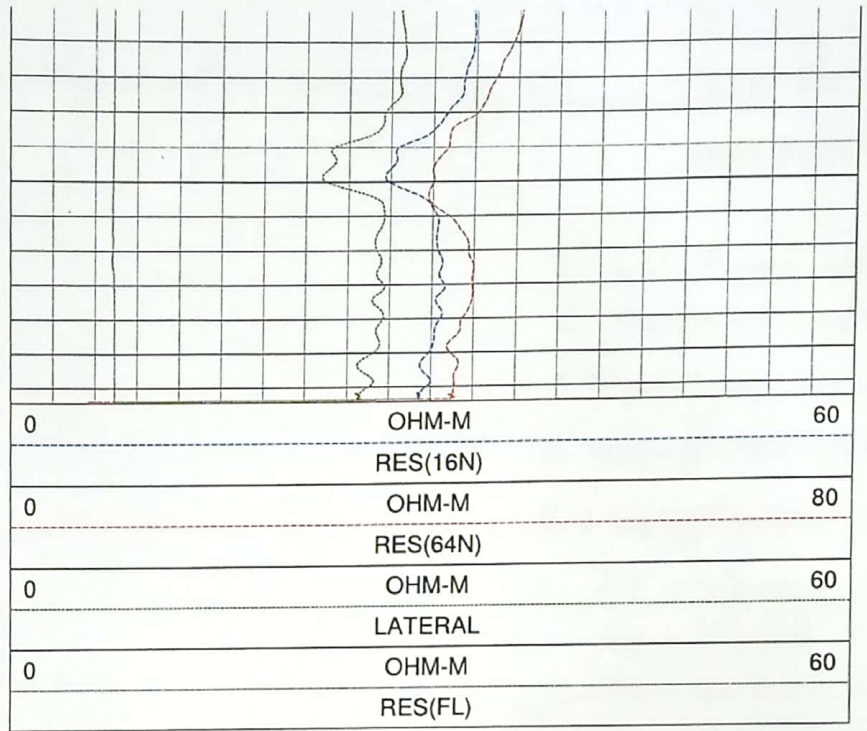




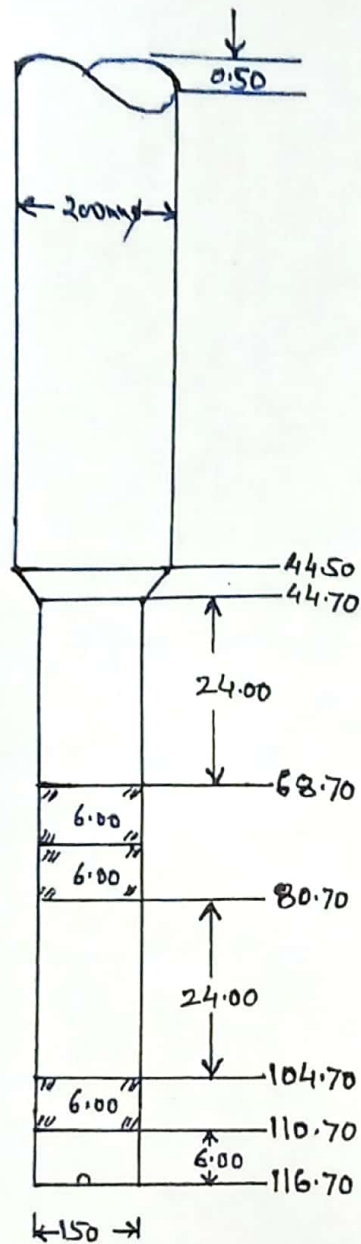


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SPEED --
METERS



Proposed Tw Assembly chart of Semari w/s scheme block Puredulu Distt Barabankur



- 1- Discharge 300 LPM
- 2- motor HP - 7.5 HP
- 3- Assembly size 200x150
- 4- Bore ϕ = 510 x 450mm
- 5- Logging Report of 14-10-23

- 1 - 15 - 42 = 27
- 2 - 48 - 54 = 6
- 3 - 65 - 86 = 21
- 4 - 100 - 165 = 65