



GROUND WATER DEPARTMENT
GOVERNMENT OF UTTAR PRADESH
Lucknow-226002



GEOPHYSICAL BOREHOLE-LOGGING REPORT

1. **Date of Logging:** 06/11/2023
2. **Village:** Tiwaripur
3. **Location:** Govt Land
4. **Block:** Bani Kadaur
5. **District:** Barabanki
6. **Latitude & Longitude:** 26.7525 & 81.4902.
7. **Drilling depth:** 170 m bgl
8. **Logging depth:** 165 m bgl
9. **Logging Company:** UP Ground Water Department
10. **Bore hole drilled by:** Verma boring/VTL.
11. **Recorded Geophysical log data:** SP, Natural gamma & Resistivity (16 N & 64 N).
12. (i) **Resistivity of Mud (Rm):** 18.60 ohm-m. (ii) **Resistivity of fresh water (Rf):** 18.0 ohm-m.

13. **On the basis of interpretation of recorded log data in open hole detail report is made is as follows:-**

(a) **Acquifer:** 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.

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

S.No	Depth Range (m bgl)	Thickness (meter)	Lithology	Acquifer Recommendation	Remark (Quality of aquifer water)
1.	14-20	6	Medium to fine sand	Recommended	Good
2.	27-45	18	Medium to fine sand	Recommended	Good
3.	57-72	15	Medium to fine sand	Recommended	Good
4.	80-83	3	Fine sand	Recommended	Good
5.	100-109	9	Medium to fine sand	Recommended	Good
6.	126-135	9	Medium to fine sand	Recommended	Medium
7.	150-159	9	Medium to fine sand	Recommended	Medium

14. **Note:-**

- (i) All Zones are intermixed with kankar.
(ii) Zone 1 & 2 is intermixed with thin layers of kankar.

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

16. **Log Attached.**

Rajeev Kumar
Rajeev Kumar
Geophysicist
National Hydrology Project
Ground Water Department Lko. U.P.



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**TIWARI PUR
BANI KODAUR**

COMPANY LUCKNOW - GWD
 WELL TIWARIPUR
 WELL EXT BANI KODAUR
 FIELD BARABANKI
 COUNTY INDIA
 STATE UP
 COUNTRY INDIA
 API NO. 123456781999999999

COMPANY : LUCKNOW - GWD
 WELL : TIWARIPUR
 WELL EXT : BANI KODAUR
 FIELD : BARABANKI
 COUNTY : INDIA
 STATE : UP
 COUNTRY : INDIA
 API NO. : 123456781999999999
 UNIQ ID : 049-005-42968

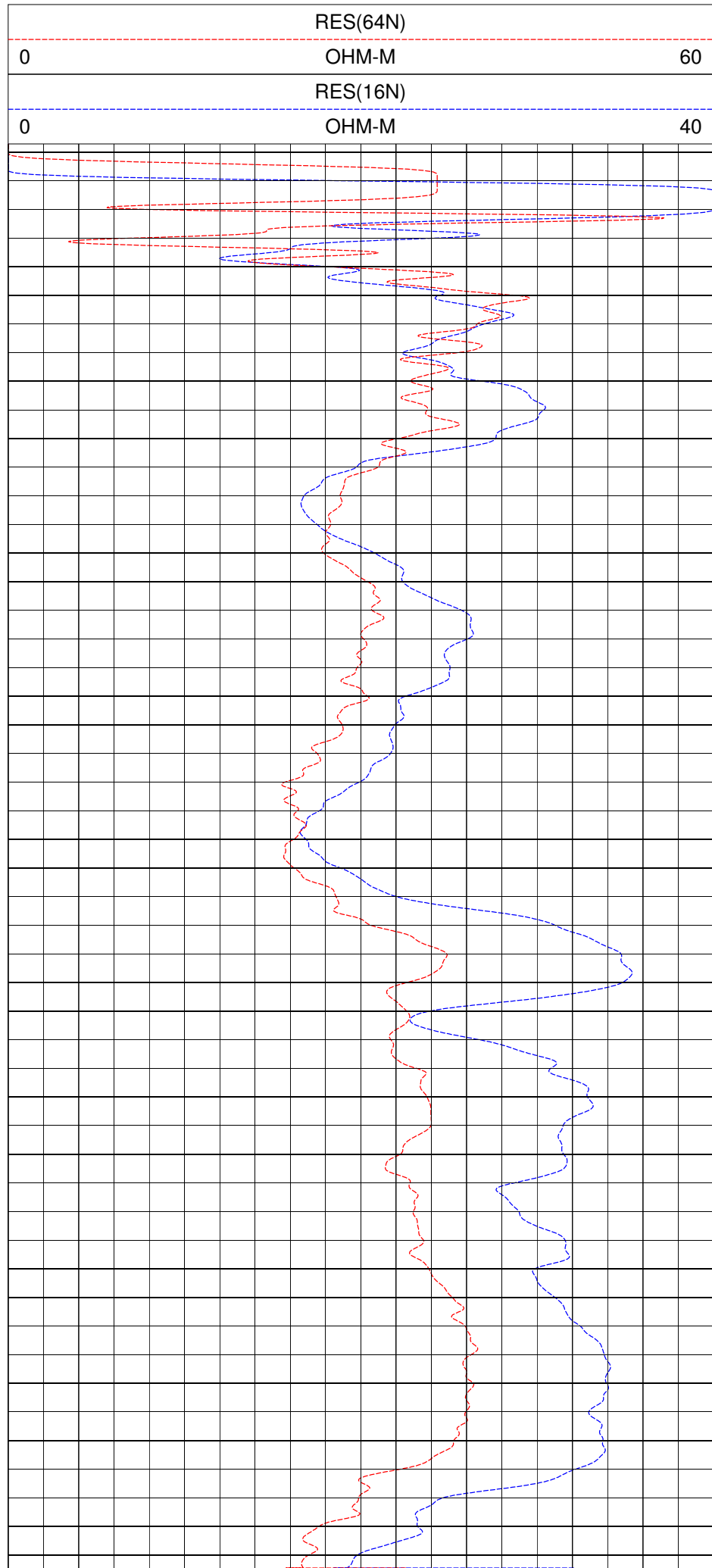
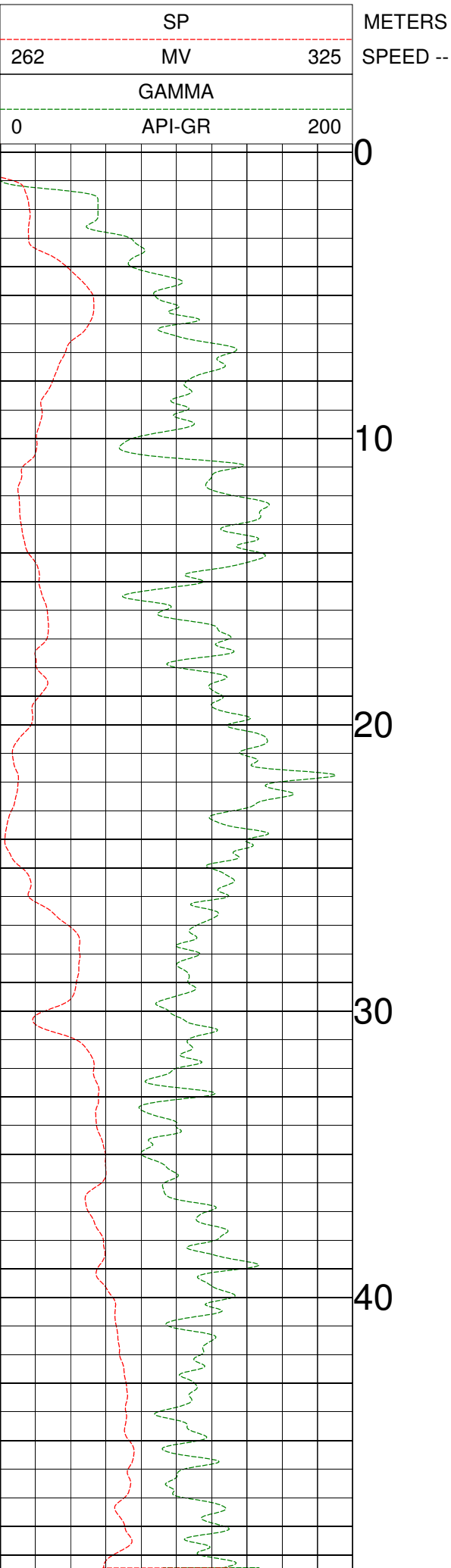
SECTION: 5 TOWNSHIP: 53N RANGE: 73W
 LOCATION : GOVT LAND
 LAT GPS UTM 26.7525
 LON GPS UTM 81.4902
 DISPLAY7_JL63W

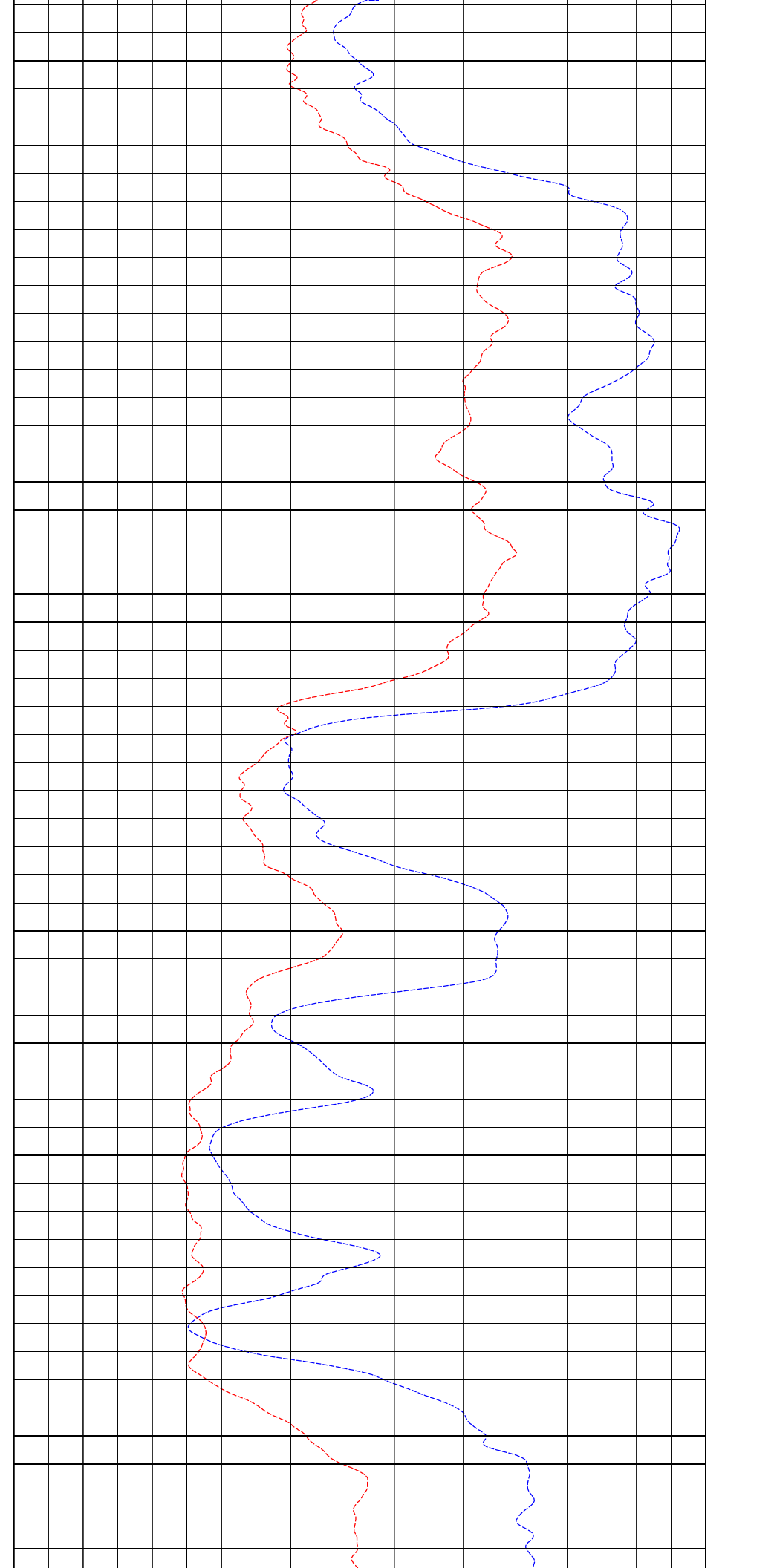
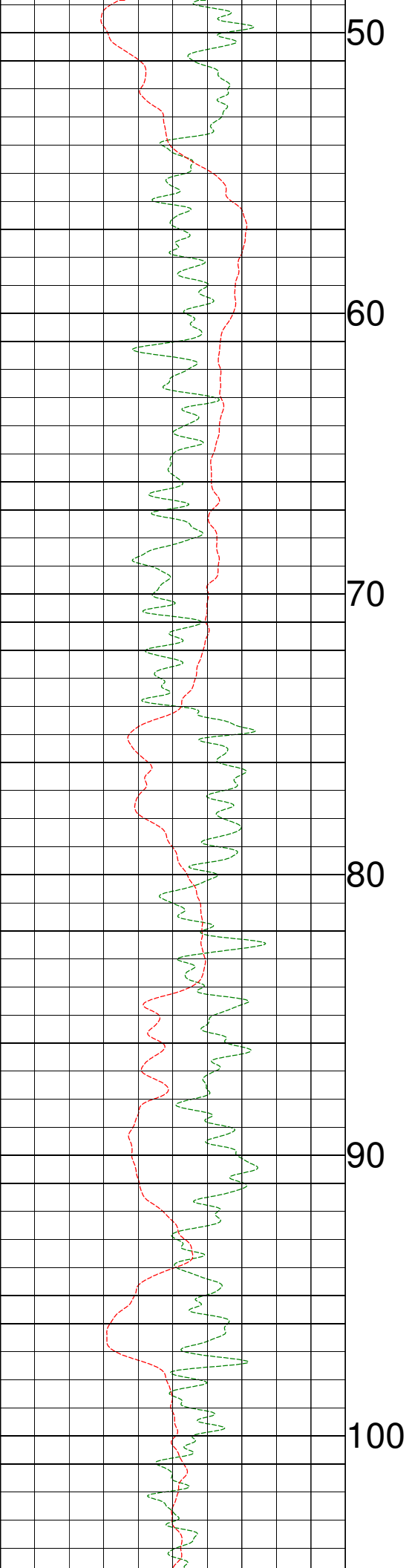
PERMANENT DATUM	GL	Elevations:	Other Services:
DRL MEASURED FROM	GL	KB	M
LOG MEASURED FROM	GL	DF	M
ELEV. PERM. DATUM	M	GL	M
		4227	

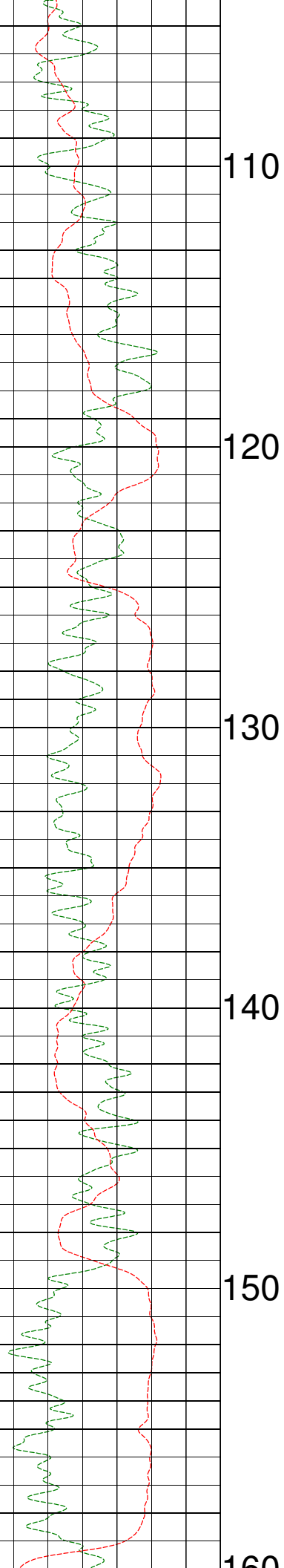
DATE	TIME		
DEPTH DRILLER	960	M	
DEPTH LOGGER		M	
FIRST READING		M	
LAST READING		M	
BIT SIZE	8.75	CM	
CASING -- DRILLER	87	M	
CASING -- LOGGER		M	
CASING O.D.		CM	
CASING TYPE	SURFACE		
FLUID TYPE	MUD		
FLUID DENSITY		G/CC	
FLUID VISCOSITY			
FLUID PH			
MUD SOURCE	FLOW LINE		
RM @ MEAS TEMP	.179 @ 68.5 C		
RMF @ MEAS TEMP	@ C		
RMC @ MEAS TEMP	@ C		
CIRC STOPPED	0830		
RIG NUMBER			

RECORDED BY RAJEEV KUMAR
 WITNESSED BY GEOPHYSICIST
 REMARKS 1
 REMARKS 2 NENE, 743'FNL, 661'FEEL
 REMARKS 3

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS







110

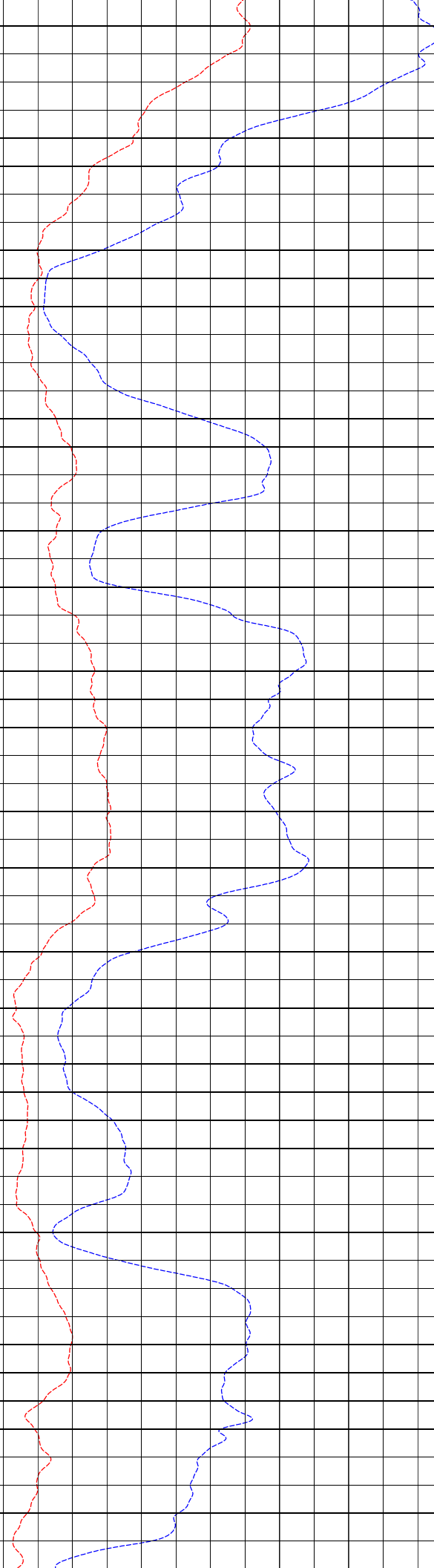
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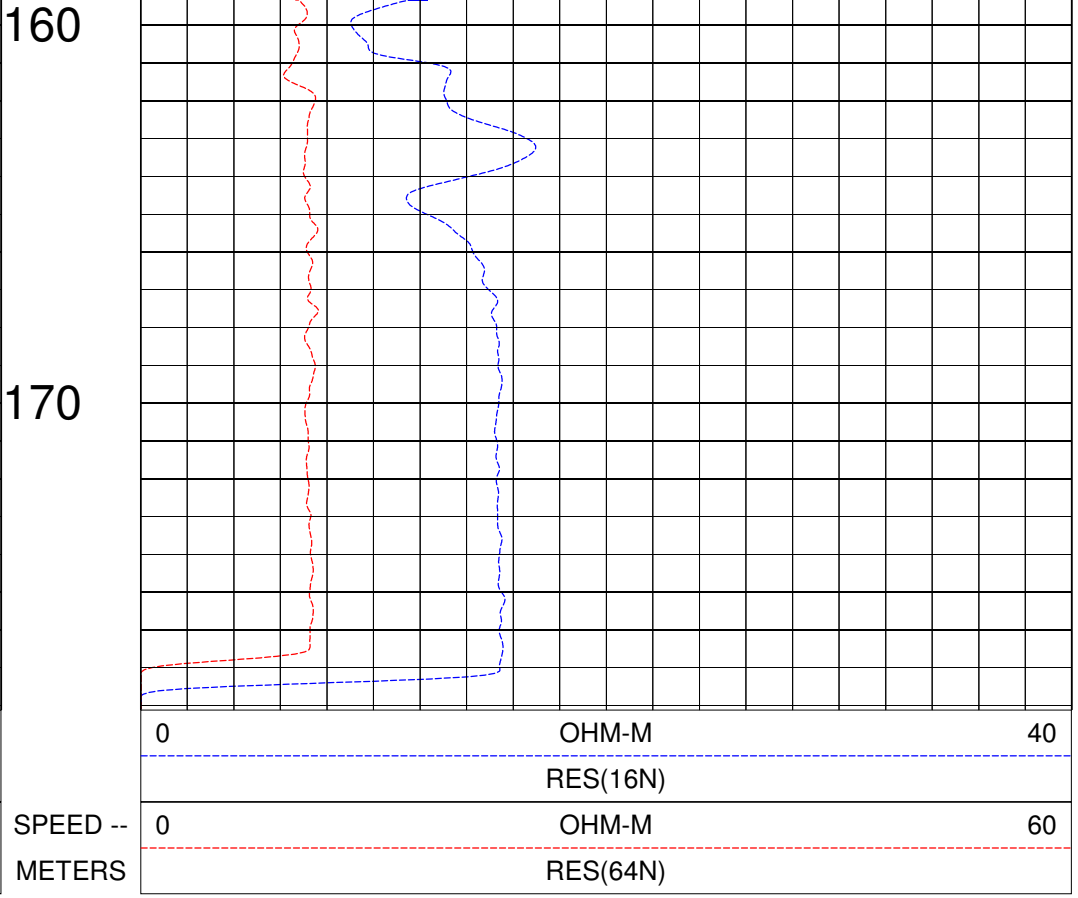
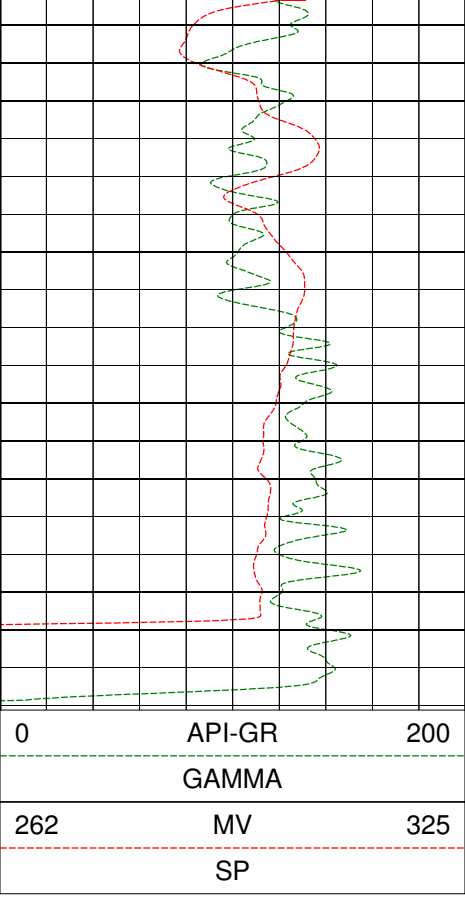
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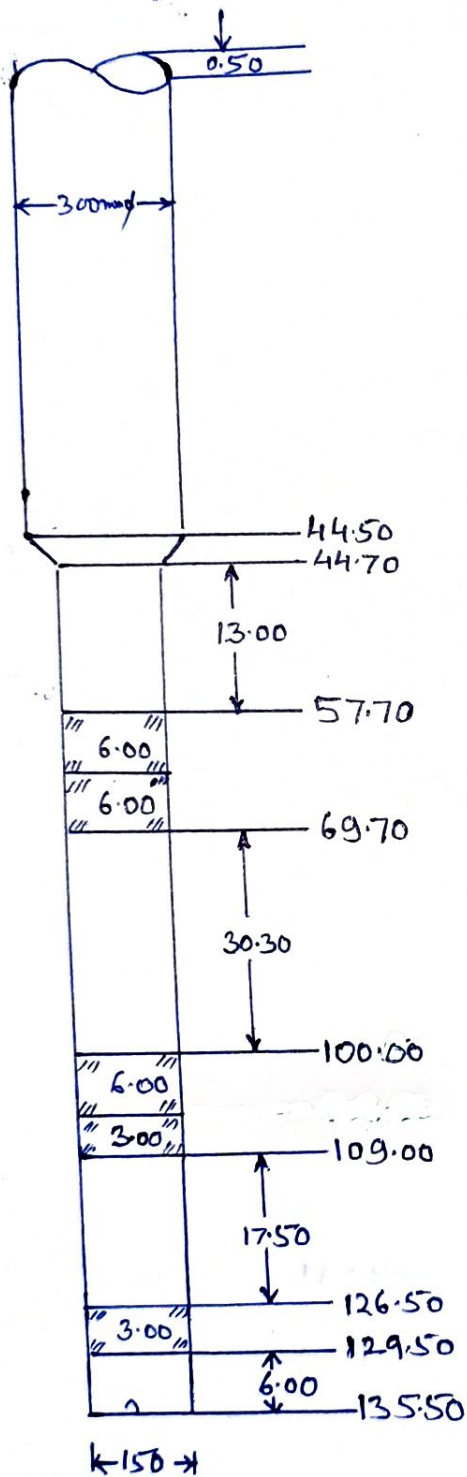
150

160





Proposed TW Assembly chart at Tiwaripur w/s scheme block Banikadaz
Distt. Barabanki



- 1- Discharge 920.514PM
- 2- Motor HP-17.5HP
- 3- Assembly size 300x150
- 4- Bore $\phi=600 \times 450mm$
- 5- Logging Report
G-11-23

- 1- 14-20 = 6 good
- 2- 27-45 = 18 good
- 12-3- 57-72 = 15 good
- 4- 80-83 = 3 good
- 9-5- 100-109 = 9 good
- 3-6- 126-135 = 9 medium
- 7- 150-159 = 9 medium

