



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/ Barabanki/197

Date : 23.11.23

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village – Baranapur, Block – Haidergarh  
Distt. – Barabanki

**Drilling Depth** : 170 mbgl

**Logged Depth** : 165 mbgl

**Date of Logging** : 23.11.23

**Types of Log** : S.P. & Resistivity (Normal & Lateral)



**Logger Used** : Upton

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Types of strata	$R_{mf}$ & $R_w$
1	32 – 40	8	Good	$R_{mf} = 17 \Omega m$ $R_w = 20.2 \Omega m$
2	46 – 75	29	Good	

**Remark :** Almost all zones are intermixed with fine bands of kankar. Formation water quality is deteriorating marginal to saline below 80 mbgl to till depth logged.

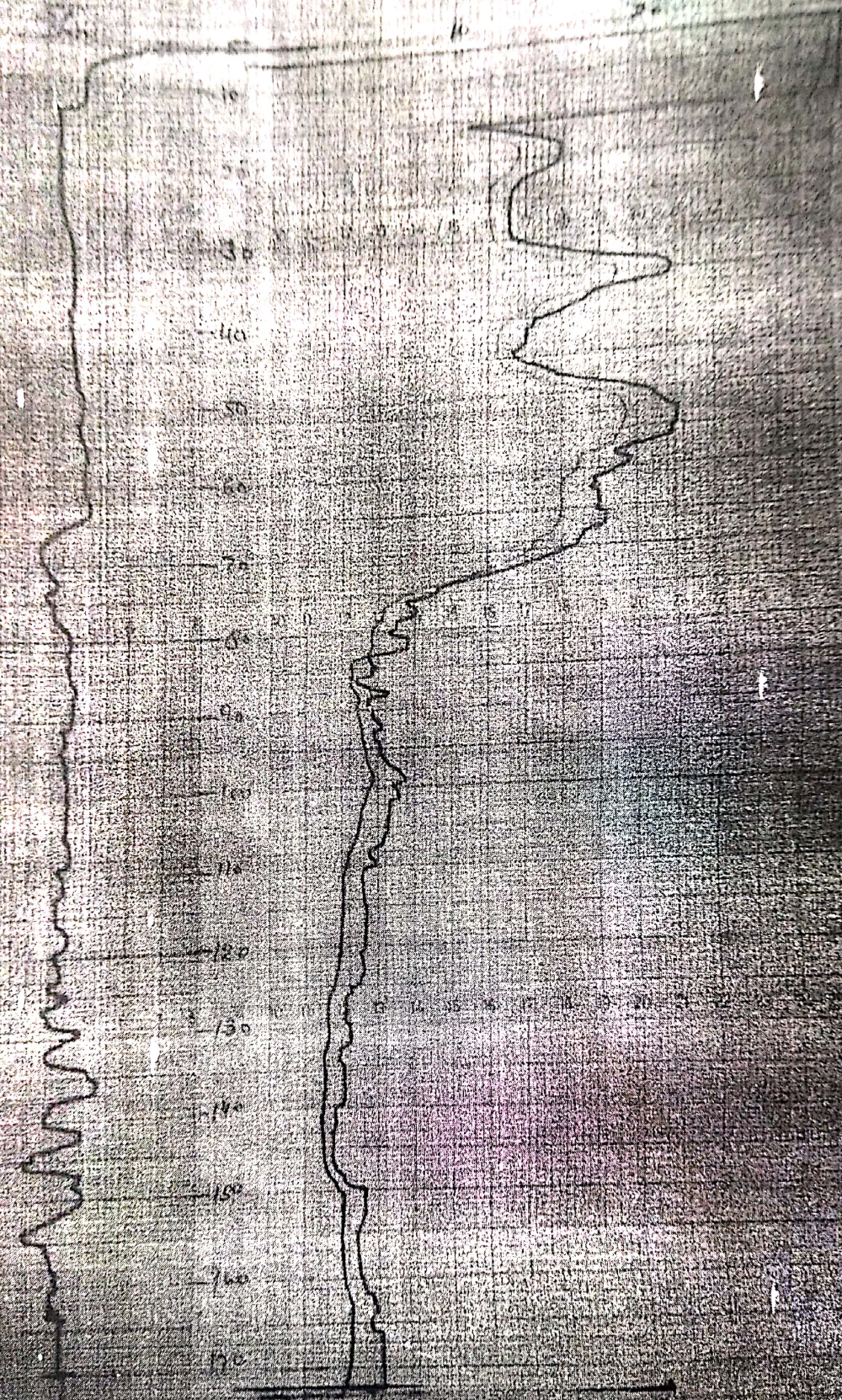
C C : Executive Engineer (E/M Div.) U P Jal Nigam (Gramin), Ayodhya

  
  
(A.K. Singh)  
Geophysicist

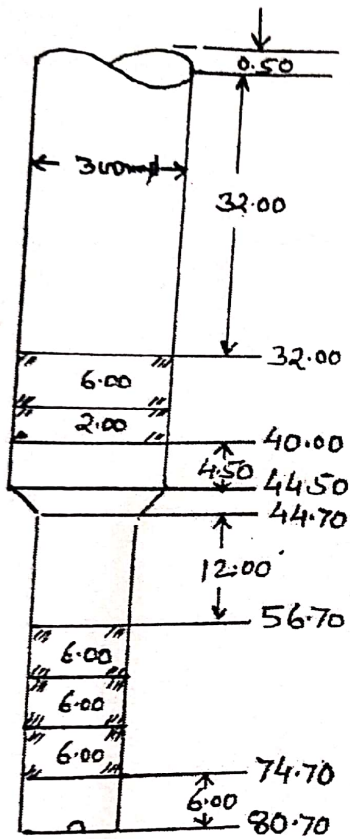


HAIDARABAD

20/10/2023  
10 20



Proposed DW Assembly chart of barnapur w/s scheme block Haidaryar Distt- Barabanki



← 1.50 →

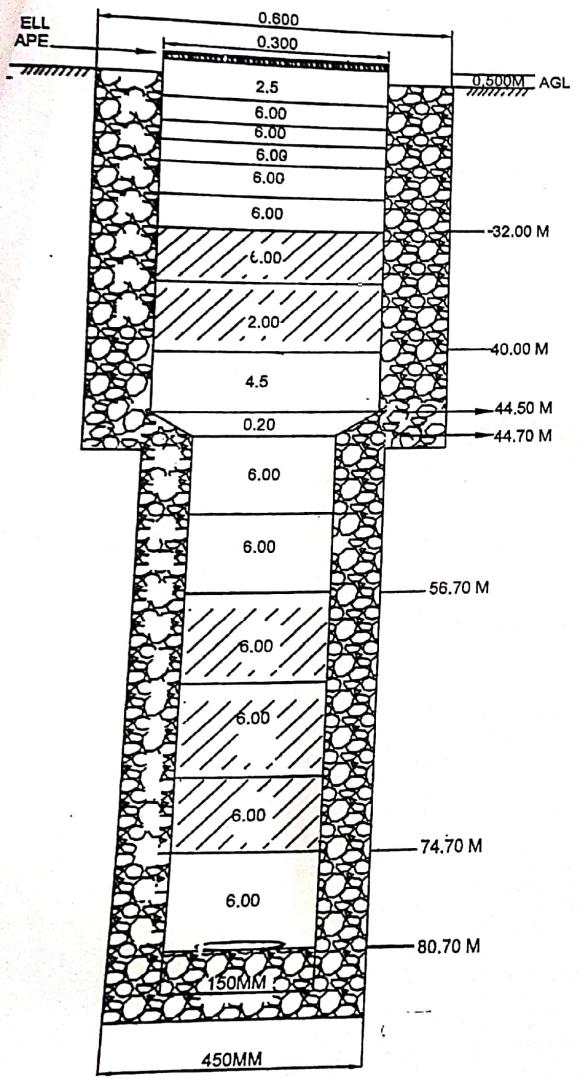
- 1- Discharge - 925.64 LP
- 2- Motor HP - 17.5 HP
- 3- Assembly size - 300 X 15
- 4- Bore  $\phi$  = 600 X 450
- 5- Logging Report # - 2311

- 1- 32 - 40 = 8 good
- 2- 46 - 75 = 29 good

marginal to saline below  
mtr bgl to till logged depth  
165 mtr bgl

VINDHYA TELELINKS LTD -GAJA ENGINEERING & SERVICES  
 Actual T.W. Assembly & Strata Chart As Per Logging Report  
 G P-, Barnapur, Block - Haidergarh , Barabanki  
 JJM Phase - III

AP BIRLA GROUP



Actual Assembly for Lowering		
1	Bore Size	600*450 mm
2	T.W. Assembly size	300*150 mm
3	Discharge	935.64 LPM 204
4	Date of Logging	11-12-2023
5	Date of lowering	12-12-2023

1	300mm@Housing Pipe	37.00 M
2	150mm@Plain Pipe	18 M
3	150MM@Slotted Pipe	18.00 M
4	300MM@Slotted Pipe	08.00 M
6	300*150mm Reducer	0.20 M
7	Total Length	81.20 M
8	AGL	(-) 0.50
9	Lowering	80.70 M

Logging Report (23-11-23)		
1	32 - 40	08 M
2	46 - 75	29 M

*[Signature]*  
 TL - GAJA JV

*[Signature]*  
 JE E & M  
 UPJN

*[Signature]*  
 AE E & M  
 UPJN

EE E & M  
 UPJN