

# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

9/43, Sector-9, Jankipuram Extension, Lucknow - 226031

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Ref: GIC/JJM/ Barabanki/163

Date : 24.08.23

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Kumrahwa, Block – Ramnagar  
Distt. – Barabanki

Drilling Depth : 170 mbgl

Logged Depth : 165 mbgl

Date of Logging : 24.08.23

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

Logger Used : Uptron

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

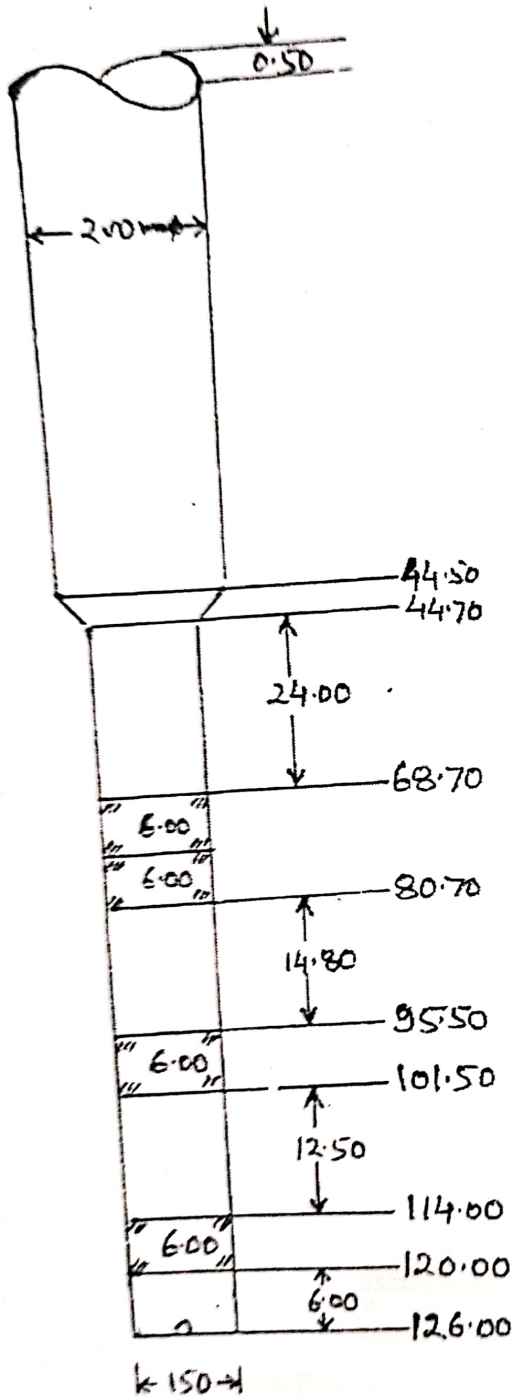
Sl. No.	Depth Range (m, bgl)	Thickness (m)	Types of strara	R <sub>mf</sub> & R <sub>w</sub>
1	35 – 54	19	Good	R <sub>mf</sub> = 23.3 Ωm R <sub>w</sub> = 25 Ωm
2	65 – 88	23	Good	
3	95 – 102	7	Good	
4	108 – 121	13	Good	

**Remark :** Almost all zones are intermixed with fine bands of kankar. No proper granular zones encountered below 121 mbgl to till depth logged.

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



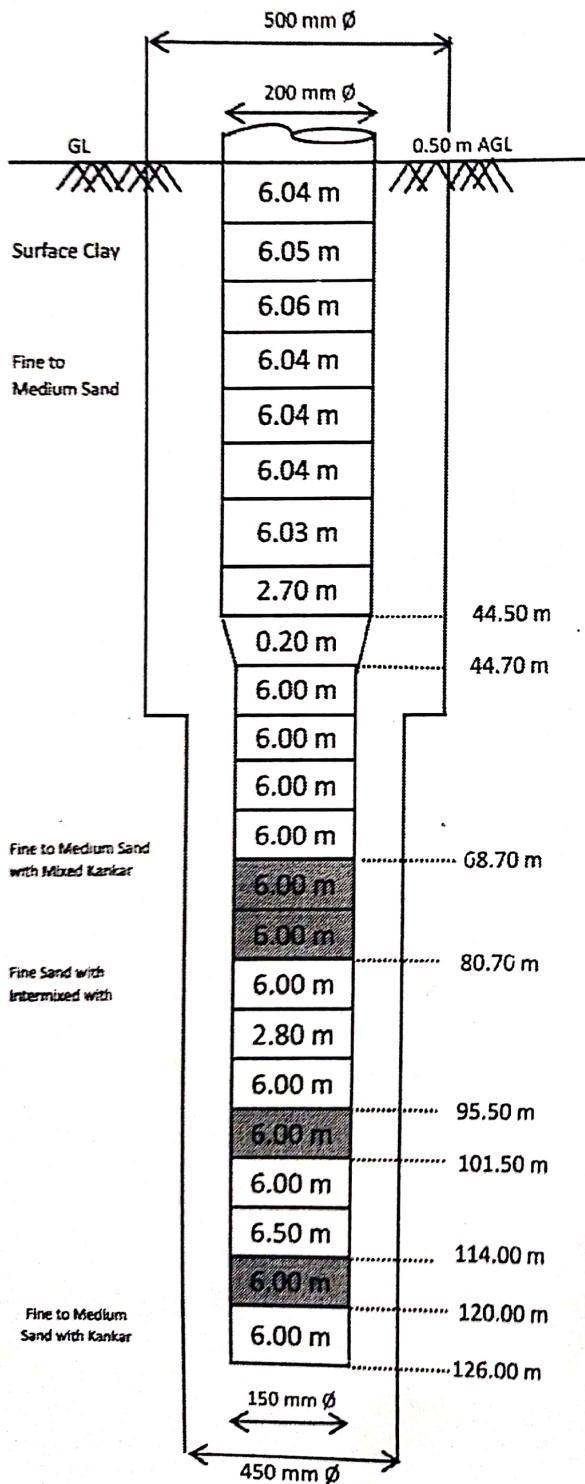
Proposed TW Assembly chart of Kumyranba w/s Scheme block - Ramnagar Distt. Barabank



- 1- Discharge - 516L
  - 2 Motor HP - 10HP
  - 3- Assembly size - 200x1
  - 4- Bore  $\phi = 500 \times 4$
  5. Logging Report of 2
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- 1- 35 - 54 = 19
  - 2- 65 - 88 = 23
  - 3- 95 - 102 = 7
  - 4- 108 - 121 = 13

**OFFICE OF THE EXECUTIVE ENGINEER**  
**DIVISION OFFICE (E/M), UTTAR PRADESH JAL NIGAM (RURAL), AYODHYA**  
**Actual Strata Chart & T.W. Assembly lowered of 500 x 450 mm of Kumyrawa, WSS BLOCK-Ramnagar**  
**Under Jal Jeevan Mission, Distt- Barabanki**

Latitude - 27.110209°  
 Longitude - 81.392883°



ACTUAL T.W. ASSEMBLY			
BORE SIZE	500 mm x 450 mm		
T.W. ASSEMBLY	200 mm x 150 mm		
DISCHARGE	815 LPM		
WORKING HEAD			
PUMP	15 HP		
LOGGING REPORT	29/09/2023		
Date of Lowering	2/10/2023		
S.NO.	DEPTH RANGE	THICKNESS	REMARKS
1	35-54	19	GOOD
2	65-88	23-12	GOOD
3	95-102	7-6	GOOD
4	108-121	13-6	GOOD

1- Housing Pipe 300 mm $\phi$	= 45.00 m
2- Plain Pipe 150 mm $\phi$	= 57.30 m
3- Slotted Pipe 150 mm $\phi$	= 24.00 m
4- Reducer (300 x 150) mm $\phi$	= 0.20 m
<b>Total Assembly</b>	<b>= 126.50 m</b>
<b>Less AGL</b>	<b>= (-)0.50 m</b>
<b>Total Lowering (BGL)</b>	<b>= 126.00 m</b>