



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Barabanki/120

Date : 19.05.23

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village - Pira Nagar. Block - Deva  
Distt. - Barabanki

Drilling Depth : 170 mbgl

Logged Depth : 168 mbgl

Date of Logging : 19.05.23

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 strata	R <sub>mf</sub> & R <sub>w</sub>
1	35 - 44	9	Good	R <sub>mf</sub> = 23.1 Ωm R <sub>w</sub> = 25.4 Ωm
2	47 - 54	7	Good	
3	70 - 83	13	Good	
4	110 - 114	4	Good - Kankar - Interbedded	
5	117 - 121	4	Good	
6	138 - 145	7	Good	
7	154 - 160	6	Good	

Remark : Almost all zones are intermixed with fine bands of kankar.

CC:

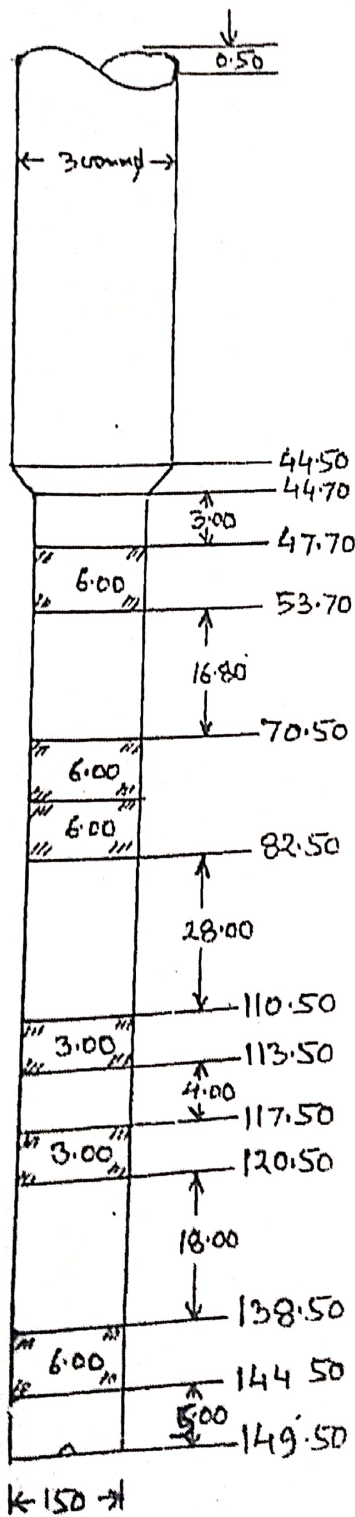
- Executive Engineer (E/M Div.) U P Jal Nigam (Gramin), Ayodhya

Verified as per  
logs provided

G.Sh  
20/05/23

  
(A.K. Singh)  
Geophysicist

Proposed Tin Assembly plant at Pura Nagar, U/S scheme block, Dena Distt. Barabanki

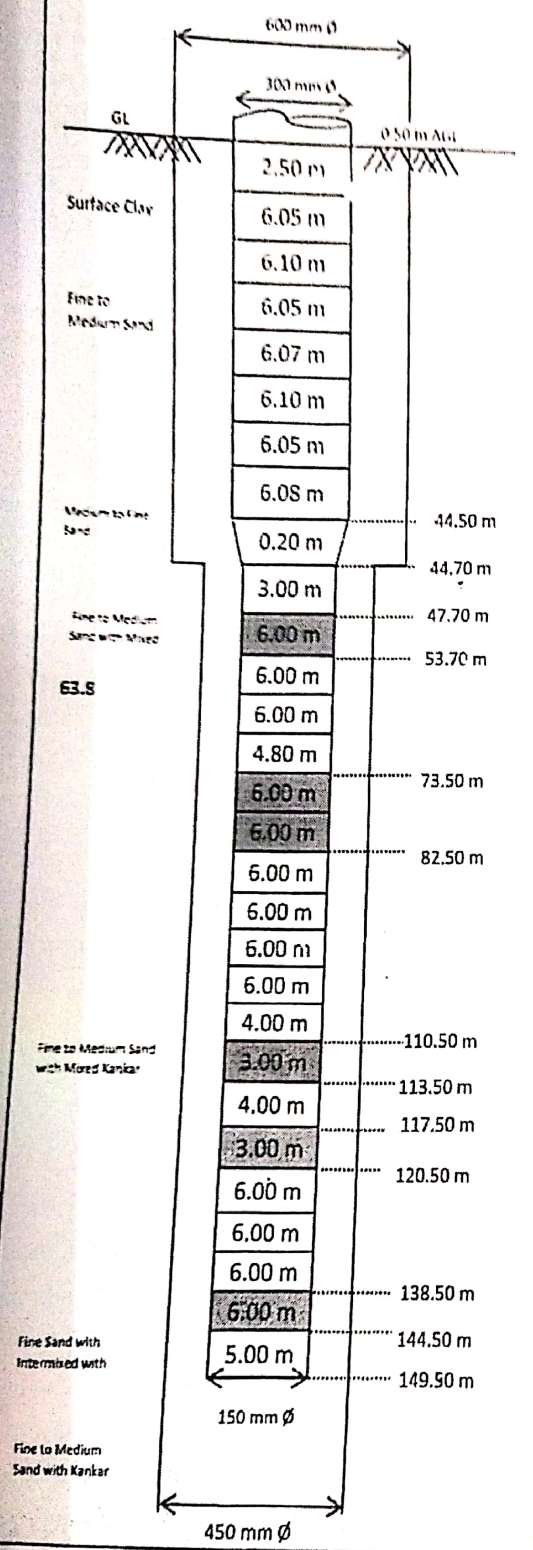


- 1- Discharge 710LPM
2. Motor HP-15 HP
- 3- Assembly size 300x150
- 4- Bore  $\phi = 600 \times 450 \text{mm}$
- 5- Logging Report dt-19-5-23

- 1- 35 - 44 = 9
- 2- 47 - 54 = 7 - 6
- 3- 70 - 83 = 13 - 12
- 4- 110 - 114 = 4 - 3
- 5- 117 - 121 = 4 - 3
- 6- 138 - 145 = 7 - 6
- 7- 154 - 160 = 6

OFFICE OF THE EXECUTIVE ENGINEER  
 DIVISION OFFICE (E/M), UTTAR PRADESH JAL NIGAM (BUREAU), AYODHYA  
 Actual Strata Chart & T.W. Assembly lowered of 600 x 450 mm of Peer Nagar Umarpur, W55 BLOCK-Dewa  
 Under Jal Jeevan Mission, Distt- Barabanki

Latitude - 27 084199"  
 Longitude - 81 073079"



ACTUAL T.W. ASSEMBLY			
BORE SIZE	600 mm x 450 mm		
T.W. ASSEMBLY	100 mm x 150 mm		
DISCHARGE	710 LPM		
WORKING HEAD	-		
PUMP	15 HP		
LOGGING REPORT	19-05-2023		
Date of Lowering	27-05-2023		
S.NO.	DEPTH RANGE	THICKNESS	REMARKS
1	35-44	9	GOOD
2	47-54	7.6	GOOD
3	70-83	13.12	GOOD
4	110-114	4.3	GOOD
5	117-121	4.3	GOOD
6	138-145	7.6	GOOD
7	154-160	6	GOOD

1- Housing Pipe 300 mm Ø	= 45.00 m
2- Plain Pipe 150 mm Ø	= 74.80 m
3- Slotted Pipe 150 mm Ø	= 30.00 m
4- Reducer (300 x 150) mm Ø	= 0.20 m
<b>Total Assembly</b>	<b>= 150.00 m</b>
Less AGL	= (-)0.50 m
<b>Total Lowering (BGL)</b>	<b>= 145.50 m</b>

  
 M/s VTL - GAJA ENGINEERING PVT LTD JV  
 Contractor

FITCHNER India Ltd. T.P.I.      S.P. Yadav J.E. (E&M)      R. S. Prasad A.E. (E&M)      Mohd. Maaz E.E.(E&M)