



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/Barabanki/170

Date : 29.09.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village - Basti 2nd, Block - Banki
Distt. - Barabanki

Drilling Depth : 170 mbgl

Logged Depth : 165 mbgl

Date of Logging : 29.09.23

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.

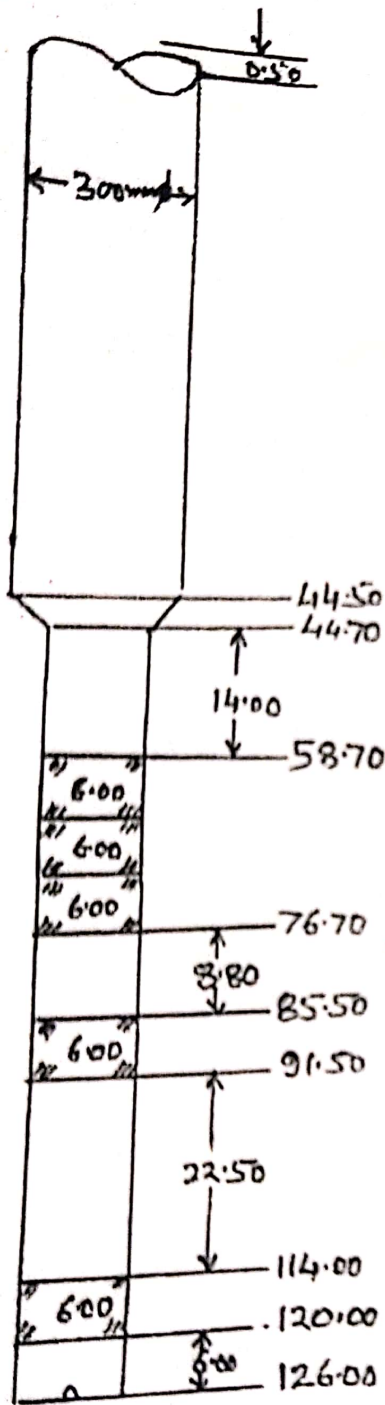
Sl. No.	Depth Range (m, bgl)	Thickness (m)	Types of strara	R _{mf} & R _w
1	30 - 46	16	Good	R _{mf} = 22 Ωm R _w = 24 Ωm
2	57 - 79	22	Good	
3	85 - 95	10	Good	
4	112 - 122	10	Good	
5	130 - 151	21	Good	

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

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



(A. Singh)
Geophysicist

Proposed Tw Assembly chart of Basti 2nd Tw w/s Scheme block Banks
Distt- Barabanki



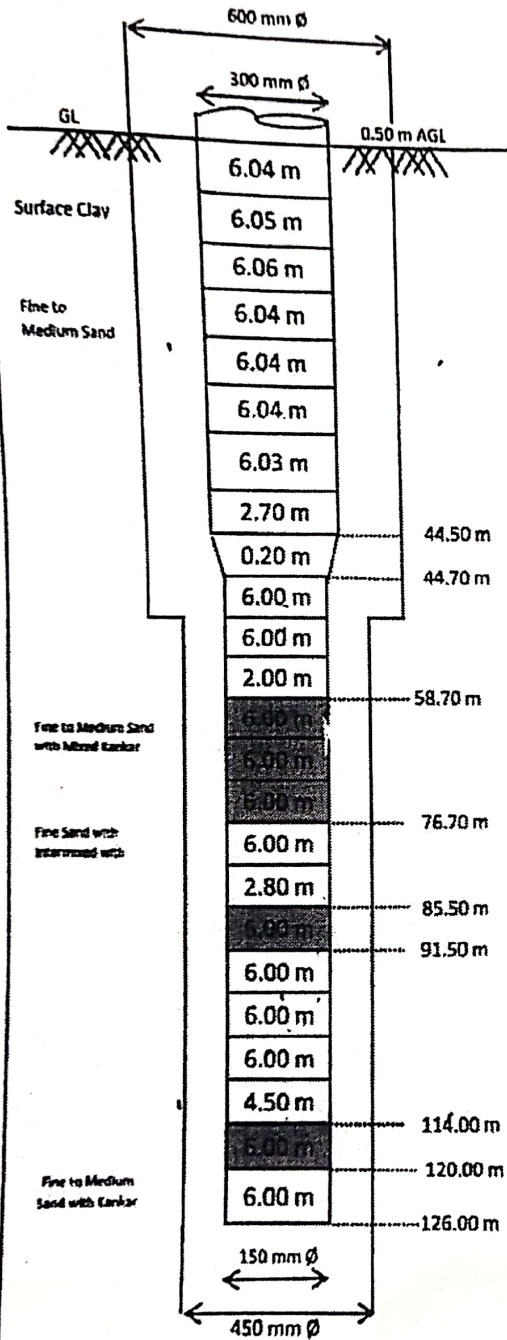
← 150 →

- 1- Discharge 815 LPM
- 2- Assembly size-300x150
- 3- Bore ϕ = 600 x 450mm
- 4- Logging Report of 20.4.23

- 1- 30 - 46 = 16 good
- 18 → 2- 57 - 79 = 22 good
- 6 3- 85 - 95 = 10 good
- 6 → 4- 112 - 122 = 10 good
- 5- 130 - 151 = 21 good

OFFICE OF THE EXECUTIVE ENGINEER
 DIVISION OFFICE (E/M), UTTAR PRADESH JAL NIGAM (RURAL), AYODHYA
 Actual Strata Chart & T.W. Assembly lowered of 600 x 450 mm of Basti 2nd, WSS BLOCK-Banki
 Under Jal Jeevan Mission, Distt- Barabanki

Latitude - 26.93813°
 Longitude - 81.095154°



ACTUAL T.W. ASSEMBLY			
BORE SIZE	600 mm x 450 mm		
T.W. ASSEMBLY	300 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	30-46	16	GOOD
2	57-79	22	GOOD
3	85-95	10	GOOD
4	112-122	10	GOOD
5	130-151	21	GOOD

1- Housing Pipe 300 mm ϕ	= 45.00 m
2- Plain Pipe 150 mm ϕ	= 51.30 m
3- Slotted Pipe 150 mm ϕ	= 30.00 m
4- Reducer (300 x 150) mm ϕ	= 0.20 m
Total Assembly	= 126.50 m
Less AGL	= (-)0.50 m
Total Lowering (BGL)	= 126.00 m

M/s VTL - GAJA ENGINEERING PVT LTD JV
 Contractor

R.A.P.
 FITCHNER India Ltd.
 T.P.I.

R.S. Prasad
 A.E. (E&M)

R. S. Prasad
 A.E. (E&M)

Mohd. Maaz
 E.E. (E&M)