



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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Ref: GIC/JJM/ Barabanki/162

Date : 16.08.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Babaganj Ghungker, Block – Nindura
Distt. – Barabanki

(11)

Drilling Depth : 170 mbgl

Logged Depth : 165 mbgl

Date of Logging : 16.08.23

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	40 – 50	10	Good	$R_{mf} = 233 \Omega m$ $R_w = 25 \Omega m$
2	68 – 77	9	Good	
3	80 – 94	14	Good	
4	110 – 120	10	Good	
5	132 – 140	8	Good	

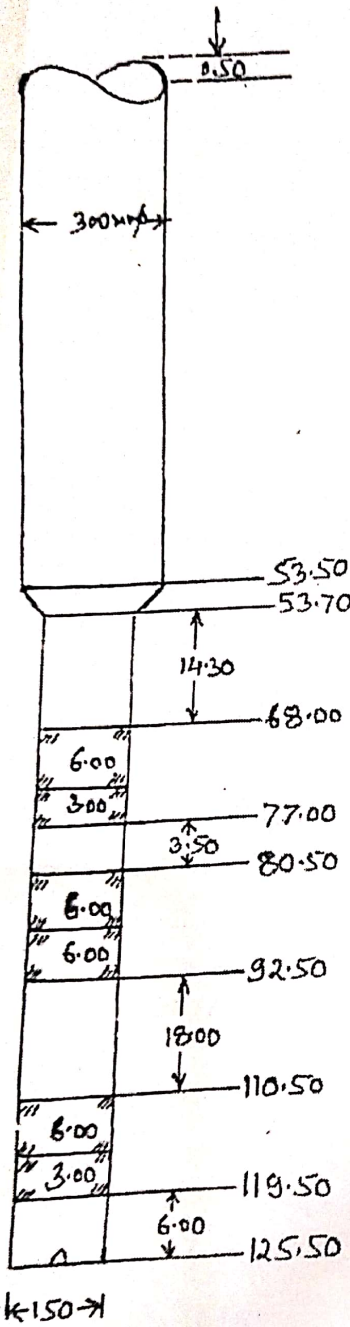
Remark : Almost all zones are intermixed with fine bands of kankar.

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

(A.K. Singh)
Geophysicist

(III)

Proposed TW Assembly chart of Babagang ghungktor w/s scheme block Nindur
Dist - Brastamanki



1. Discharge - 885.89 LPM
 2. Motor HP - 15 HP
 3. Assembly size - 300 x 150m
 4. Base of = 600 x 450m
 5. Logging Report of 16-8-22
- | | | | |
|-----|-----------|------|---|
| 1 - | 40 - 50 | = 10 | } |
| 2 - | 68 - 77 | = 9 | |
| 3 - | 80 - 94 | = 14 | |
| 4 - | 110 - 120 | = 10 | |
| 5 - | 132 - 140 | = 8 | |

Provision in D.P.R.

PP 150 mm ϕ = 66 mtr

PP 300 mm ϕ = 54 mtr ✓

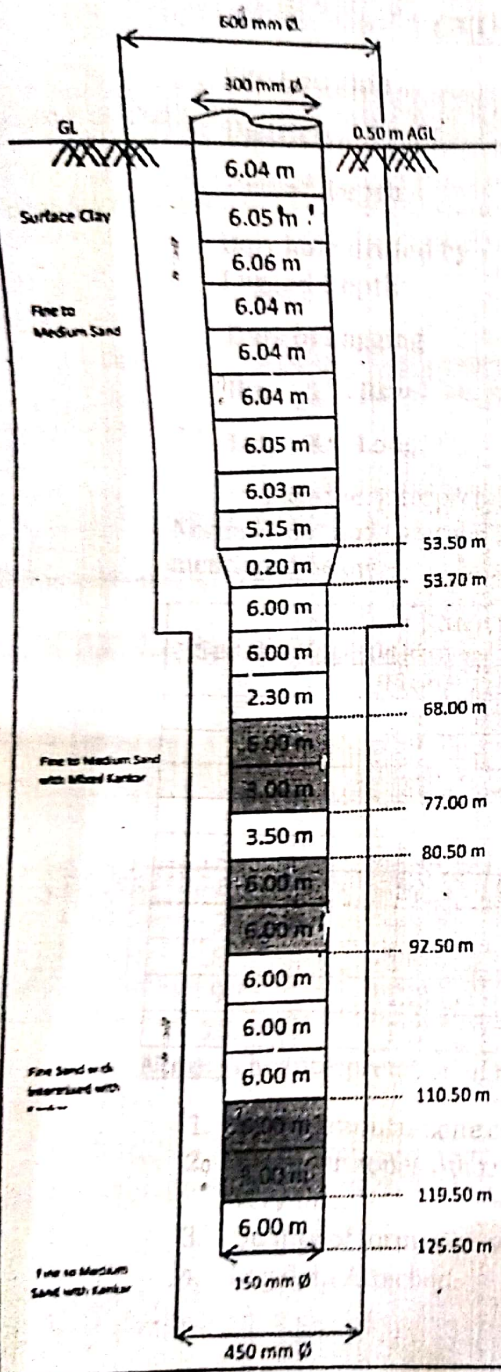
SP 150 mm ϕ = 30 mtr

150 mtr

(11)

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 Bagaban) Ghunghier, W55 BLOCY-Mindaora
 Under Jal Jeevan Mission, Distt. Barabanki

Latitude - 27.160085°
 Longitude - 81.003876°



ACTUAL T.W. ASSEMBLY			
BORE SIZE	600 mm x 450 mm		
T.W. ASSEMBLY	300 mm x 150 mm		
DISCHARGE	885.89 LPM		
WORKING HEAD			
PUMP	15 HP		
LOGGING REPORT	16/8/2023		
Date of Lowering	19/8/2023		
S.NO.	DEPTH RANGE	THICKNESS	REMARKS
1	40-50	10	GOOD
2	68-77	9-9	GOOD
3	80-94	14-12	GOOD
4	110-120	10-9	GOOD
5	132-140	8-10	GOOD

1- Housing Pipe 300 mm ϕ	= 54.00 m
2- Plain Pipe 150 mm ϕ	= 41.80 m
3- Slotted Pipe 150 mm ϕ	= 30.00 m
4- Reducer (300 x 150) mm ϕ	= 0.20 m
Total Assembly	= 126.00 m
Less AGL	= (-)0.50 m
Total Lowering (BGL)	= 125.50 m

M/s VTL - GAJA ENGINEERING PVT LTD JV/ M/S MVIPL
 Contractor

R.P.P.
 PITCHNER India Ltd.
 T.P.I.

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

Mohd. Mazr
 E.E. (E&M)