

Ref:GIT:UP: 23-24:LS: PJM: 896

Dated: 28-06-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Shivnaam - 1
 Block: Trivediganj
 District: Barabanki
 State: Uttar Pradesh
 Drilling depth: 170.0 m bgl
 Logging depth: 166.0 m bgl
 Date of logging: 28-06-2023

Borewell Drilled By: M/s VTL GAJA Engineering Limited., Barabanki,
 Uttar Pradesh.

Based on the interpretation of Self Potential (SP), Short Normal (N-16"), Long Normal (N-64") and Lateral 6' Geophysical Logs, following informations/granular zones have been deciphered with respect to Salinity only:

Sl. No.	Depth Range (m bgl)	Thickness (meters)	Remarks (Quality of aquifer water)
1.	16 - 20	04	Good
2.	28 - 32	04	Good
3.	39 - 43	04	Good
4.	46 - 50	04	Good
5.	55 - 62	07	Good
6.	86 - 90	04	Good to Moderate
7.	102 - 108	06	Moderate to Marginal

Note: 1. Fine bands of kankar are intermixed with almost all the zones.

2. Zone Sl. No. 2 is highly intermixed with fine bands of Kankar.

3. Quality of ground water is deteriorating marginal to saline below 114.0 m bgl to till depth logged.

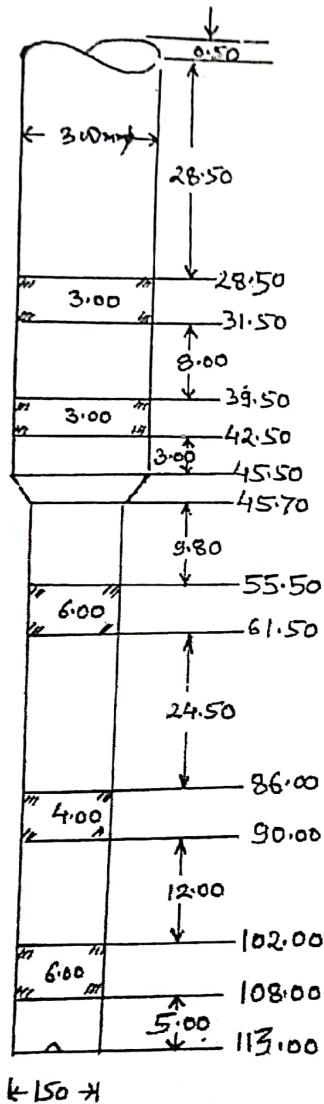
4. Please ensure pre-monsoon water level before lower the well assembly.

Verified as per
logs provided

For Geo Instruments & Technic's

S. Shukla
 (S. Shukla)

Proposed TW Assembly chart A - Shivnam w/s scheme block - Trivediganj
Distt - Barabanki

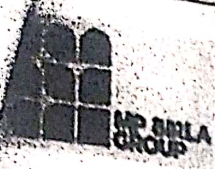


- 1- Discharge = 961.53 LPM
- 2- Motor HP - 17.5 HP
- 3- Assembly size - 300 x 150m
- 4- Boare ϕ = 600 x 450m
- 5- Logging Report at 28623

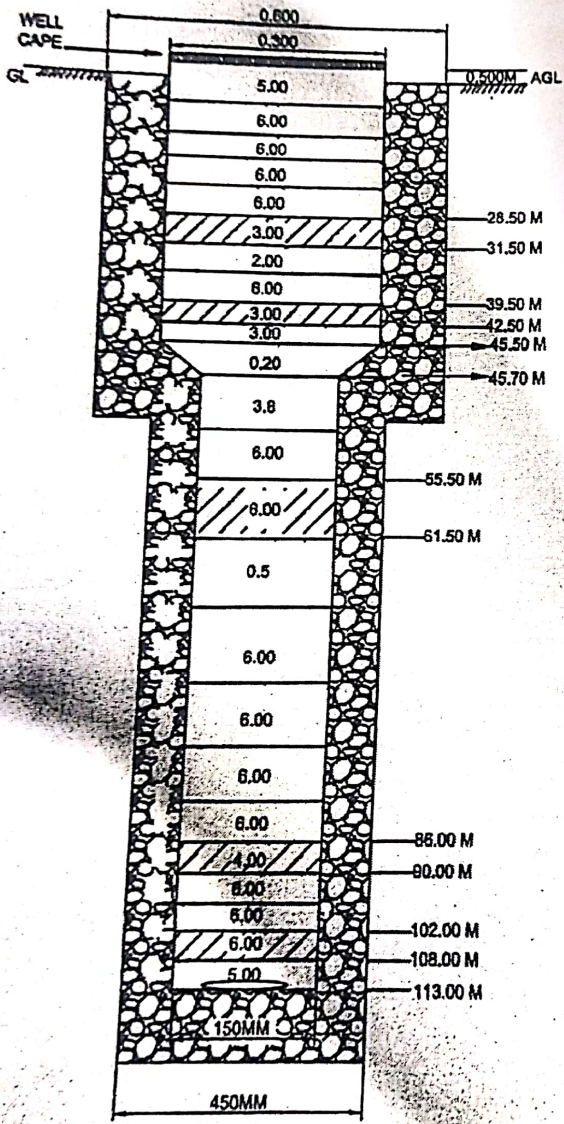
- 1- 16 - 20 = 4 good
- 2- 28 - 32 = 4 good
- 3- 39 - 43 = 4 good
- 4- 46 - 50 = 4 good
- 5- 55 - 62 = 7 good
- 6- 86 - 90 = 4 good to mada
- 7- 102 - 108 = 6 Moderate margin

marginal to saline below
114 mtr to fill logged data
166 mtr to fill.

2/10



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 Actual T.W. Assembly & Strata Chart As Per Logging Report
 G P-,Shivnaam, Block - Trivediganj , Barabanki
 JJM Phase - III



Actual Assembly for Lowering	
1	Bore Size 850*450 mm
2	T.W. Assembly size 300*150 mm
3	Discharge 961.53 LPM/17.5 M HP
4	Date of Logging 28-06-2023
5	Date of lowering 29-06-2023

1	300mm@Housing Pipe	40.00 M
2	150mm@Plain Pipe	51.30 M
3	300mm@Slotted Pipe	6.00 M
4	150MM@Slotted Pipe	16.00 M
5	300*150mm Reducer	0.20 M
6	Total Length	113.50
7	AGL	(-)0.50
8	Lowering Length	113.00

Logging Report (28-06-23)		
1	16 - 20	04 M
2	28 - 32	04 M
3	39 - 43	04 M
4	46 - 50	04 M
5	55 - 62	07 M
6	86 - 90	04 M
7	102 - 108	06 M

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