

Babat G.P w/s Scheme Under JJM Programme  
Block-Salaspur Distt-Budhan

D- 120m (600x500)mmφ  
 L- 110m (300x150)mmφ

Dt-18/12/2022  
 Discharge-634LPM  
 38M Head 12.5HP

Strata As Per Logger -

- 52-60m - medium sand
- 65-93m - medium sand
- 105-110m - fine to med. sand

300mmφ (H.P) 150mmφ (P.P) 150mmφ (S.P)

6.00	6.00	3.00
6.00	6.00	6.00
6.00	2.00	6.00
6.00	6.00	6.00
6.00	2.00	6.00
6.00	4.00	3.00
6.00		
42.00m	6.00	24.00m

32.00m

300mmφ (H.P) = 42.00m

150mmφ (P.P) = 32.00m

150mmφ (S.P) = 24.00m

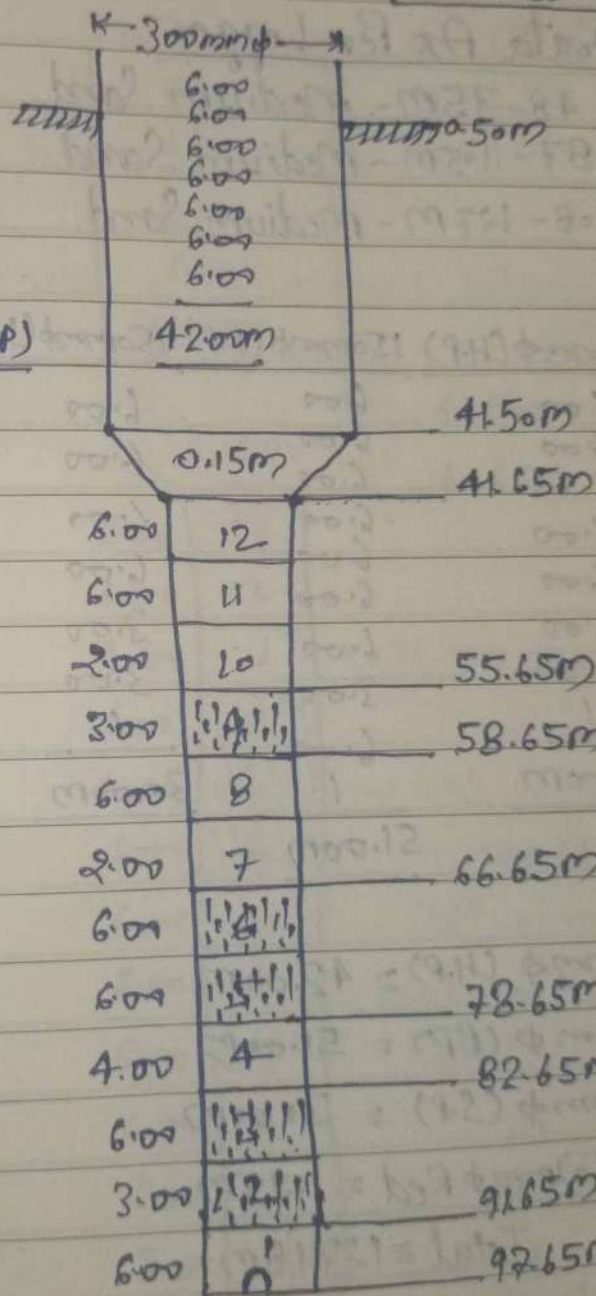
(300x150)mmφ Red = 0.15m

Total = 98.15m

A.G.L = 0.50m

B.G.L = 97.65m

Total = 98.15m



150mmφ

*[Handwritten signature]*

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT

Ref No:- 361

Date:- 17-12-2022

NAME OF SITE

Gram Panchayat- Babat

BLOCK- Salarpur

DISTT- Budaun

NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



GROUND WATER SURVEY CONSULTANCY  
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006  
(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

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Agra



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BABAT, BLOCK- SALARPUR, DISTT.- BUDAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 17.Dec.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Dry sand	
3.	20 - 28	8	Clay kankar	
4.	28 - 42*	14	Medium sand	
5.	42 - 52	10	Clay kankar	Medium
6.	52 - 60*	8	Medium sand	
7.	60 - 65	5	Clay kankar	Medium
8.	65 - 93*	28	Medium sand	Medium
9.	93 - 96	3	Clay kankar	
10.	96 - 99	3	Fine sand	Medium
11.	99 - 105	6	Clay kankar	
12.	105 - 110*	5	Fine to Medium sand	Medium
13.	110 - 120	10	Clay kankar	

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JTC  
PV

**Conclusions and Recommendations :-**

1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (\*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

**Geophysicist**

J.K.  
P.

**Ground Water Survey Consultancy**



Rho a

-  NI6 (SN)
-  NI4(LN)
-  LAT

Logging di bawah  
 bnd: zaitun duri  
 badju  
 LOGGILGup  
 17 Dec 2022  
 15 33  
 utlarih

