

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

C-12  
GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:- 74

Date:- 12-04-2022

NAME OF SITE

Gram Panchayat- Sarahe Baghauri

BLOCK- Bilsi

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

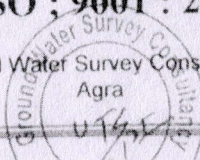
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

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**ISO ; 9001 : 2015**

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Agra



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SARAHE BAGHAULI, BLOCK- BILSI  
DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

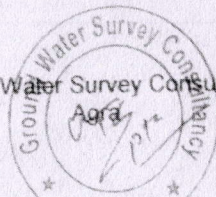
A Deep bore hole was drilled 142 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conducted at above bore hole using IGIS Well Logger on 12.Apr.2022.

Logging Parameters - 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 - 19	14	Dry sand	
3.	19 - 32	13	Clay kankar	
4.	32 - 45	13	Medium sand	Good
5.	45 - 61	16	Clay kankar	
6.	61 - 75*	14	Medium sand	Good
7.	75 - 80	5	Clay kankar	
8.	80 - 105*	25	Fine to Medium Sand	Good
9.	105 - 110	5	Clay kankar	
10.	110 - 115	5	Fine Sand	Good
11.	115 - 125	10	Clay kankar	
12.	125* - 140*	15	Medium sand	Good

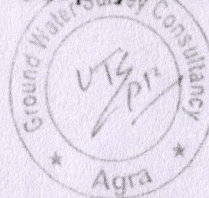
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**Conclusions and Recommendations :-**

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 Good.
4. Expected discharge is 900 to 1000 L.P.M.
5. 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.
6. 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



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Rho a

- ▧ NI6 (SN)
- ▨ NI4(LN)
- ▩ LAT

Logging of Savite  
 Bakhub River Estm  
 Dist Bidar  
 10/501604P  
 12 apr 2022  
 14 22  
 UTM 489N 501604E

SP (m V)

