

**GROUND WATER SURVEY CONSULTANCY**  
**GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS**

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:- 615

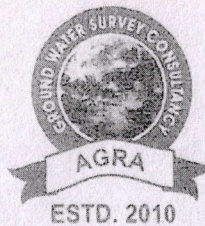
Date:- 11-03-2022

**NAME OF SITE**

Gram Panchayat- Sharah Baraulia      BLOCK- Bisauli      DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



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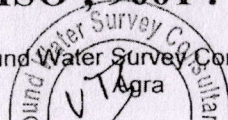
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- SHARAH BARAULIA, BLOCK- BISAULI, DISTT.- BADAUN UNDER JAL JIVAN MISSION

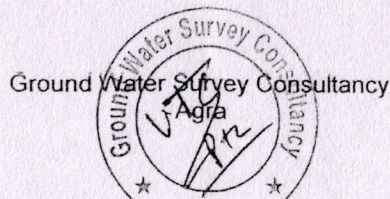
### Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 139 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 11.Mar.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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.	Defth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface Soil	
2.	5 - 18	13	Dry sand	
3.	18 - 30	12	Clay kankar	
4.	30 - 46	16	Fine to Medium sand	Medium
5.	46 - 70	24	Clay kankar	
6.	70 - 95*	25	Medium sand	Medium
7.	95 - 101	6	Clay kankar	
8.	101 - 118*	17	Medium sand	Medium
9.	118 - 122	4	Clay kankar	
10.	122 - 139*	17	Medium sand	Medium



**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. Expected discharge is 1000 to 1100 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**



**Ground Water Survey Consultancy**

Rho a  
 N 16(SN)  
 N 64 (LN)  
 LAT

Location  
 Logging VI Sharah  
 Baraula Block  
 Barauli Dist  
 Budaur  
 Log No.  
 LOGGINGUP  
 Date  
 11 Feb 2022

Time  
 13:29  
 Observer  
 Utharsh Gupta (AG)  
 Well Depth

SP

