

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-180

Date:- 01-06-2024

### NAME OF SITE`1111

Gram Panchayat- Kurvi Nizampura

BLOCK- Wazirganj

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

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- KURVI NIZAMPURA, BLOCK- WAZIRGANJ, DISTT- BADAUN UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 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 in the above bore hole using IGIS Well Logger on 01.June.2024.

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 - 21	16	Dry sand	
3.	21 - 31	10	Clay kankar	
4.	31 - 38	7	Fine sand	
5.	38 - 43	5	Clay kankar	
6.	43 - 47	4	Fine to Medium sand	Medium
7.	47 - 52	5	Clay kankar	
8.	52 - 56*	4	Fine to Medium sand	Medium
9.	56 - 64	8	Clay kankar	
10.	64 - 71*	7	Medium sand	Medium
11.	71 - 75	4	Clay kankar	
12.	75 - 80*	5	Fine to Medium sand	Medium
13.	80 - 84	4	Clay kankar	
14.	84 - 91*	7	Medium sand	Medium
15.	91 - 99	8	Clay kankar	
16.	99 - 102*	3	Fine to Medium sand	Medium
17.	102 - 110	8	Clay kankar	
18.	110 - 120*	10	Medium sand	Medium
19.	120 - 130	10	Clay kankar	

Ground Water Survey Consultancy

Agra



## **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 tube well.
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.



Rho a  
 N16 (SN)  
 N64(LN)  
 LAT  
 Logging Details  
 Logging of type  
 Nazimuddin Road (Wazirpur)  
 Datta Bazar  
 UP/LOGGING/20  
 01 Jun 2024  
 12:09  
 Unearth Geotech (Pvt)

Logger SI No:  
 IGIS/S/01/10-11

SP (m V)  
 Logger Model:  
 DMPL-2  
 Logger Owned by:  
 Ground Water  
 Survey Consultancy  
 Agra UP India

