

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-2782

Date:- 29-12-2023

### NAME OF SITE

Gram Panchayat- Bhagta Nagla

BLOCK- Dahagawan

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- BHAGTA NAGLA, BLOCK- DAHAGAWAN, DISTT- BADAUN UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 140 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 in the above bore hole using IGIS Well Logger on 29.Dec.2023.

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 - 10	5	Clay kankar	
3.	10 - 15	5	Fine sand	
4.	15 - 20	5	Clay kankar	
5.	20 - 35	15	Medium sand	Medium
6.	35 - 40	5	Clay kankar	
7.	40 - 53	13	Medium sand	Medium
8.	53 - 60	7	Clay kankar	
9.	60 - 68*	8	Medium sand	Medium
10.	68 - 77	9	Clay kankar	
11.	77 - 90*	13	Medium sand	Medium
12.	90 - 99	9	Clay kankar	
13.	99 - 110*	11	Medium sand	Medium
14.	110 - 115	5	Clay kankar	
15.	115 - 119	4	Fine sand	Medium
16.	119 - 126	7	Clay kankar	
17.	126 - 135*	9	Fine to Medium sand	Medium
18.	135 - 140	5	Clay kankar	

Ground Water Survey Consultancy



**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.

**Geologist**



Rho a

- N16 (SN)
- N64(LN)
- LAT

Logging Details:

no logging v bhaga agra  
 bhod-dabbanpur dist. bikaner  
 U3 LOGG0163  
 29 Dec 2013  
 11:58  
 vishal

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

Logger Model: SP (m V)

DMPL-2

Logger Owned by: GROUND WATER SURVEY CONSUL TANCY - AGRA INDIA

