

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-357

Date:- 05-05-2023

NAME OF SITE

GRAM PANCHAYAT- Basant Nagar BLOCK- Ujhani DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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ISO ; 9001 : 2015

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BASANT NAGAR, BLOCK- UJHANI,
DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 05.May.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 - 20	15	Dry sand	
3.	20 - 26	6	Fine sand	
4.	26 - 28	2	Clay kankar	
5.	28 - 31	3	Fine sand	Medium
6.	31 - 38	7	Clay kankar	
7.	38 - 42	4	Fine sand	Medium
8.	42 - 50	8	Clay kankar	
9.	50 - 68*	18	Medium sand	Medium
10.	68 - 70	2	Kankar	
11.	70 - 85*	15	Medium sand & kankar	Medium
12.	85 - 94	9	Clay kankar	
13.	94 - 106*	12	Fine to Medium sand	Medium
14.	106 - 110	4	Clay kankar	



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



Ground Water Survey Consultancy

Rho a
 NI6(SN)
 NI6(LIN)
 LAT
 Logging Details:
 Logging V: Bakari Nagar
 Block: Ganganagar, Distt: Bikaner
 UP LODD/AG/2023
 05 May 2023
 17.44
 Uthmaniyah (37)
 Logger S No:
 IGIS/SQA/21-22
 Logger Model:
 DMPL-2
 Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

