

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-2076

Date:- 15-10-2023

NAME OF SITE

GRAM PANCHAYAT- Butla Daulat

BLOCK- Ujhani

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

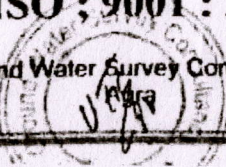
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO : 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BUTLA DAULAT, BLOCK- UJHANI, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

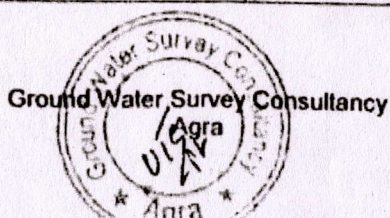
Introduction :

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 is conduct at above bore hole using IGIS Well Logger on 15.Oct.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 - 15	10	Clay kankar	
3.	15 - 20	5	Fine sand	
4.	20 - 25	5	Clay kankar	
5.	25 - 42	17	Medium sand	Med to Good
6.	42 - 52	10	Clay kankar	
7.	52 - 58*	6	Fine to Medium sand	Med to Good
8.	58 - 65	7	Clay kankar	
9.	65 - 71*	6	Fine to Medium sand	Med to Good
10.	71 - 77	6	Clay kankar	
11.	77 - 87*	10	Medium sand	Med to Good
12.	87 - 105	18	Clay kankar	
13.	105 - 125*	20	Medium sand	Med to Good
14.	125 - 131	6	Clay kankar	
15.	131 - 140*	9	Fine to Medium sand	Med to Good



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 to Good.
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)
 NS4(LN)
 LAT
 Logging Details
 LOG NO. 2023/04/21-22
 LOG DATE 15 Oct 2023
 LOG TIME 17:55
 LOGGERS G. S. S. (S. S.)
 SP (m V)
 Logger Model: DMP-L-2
 Logger Owned by: GROUND WATER SURVEY CONSULTANCY - AGRA INDIA
 Logger S. No: IGIS/SM/21-22

