

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-2191

Date:- 24-10-2023

NAME OF SITE

GRAM PANCHAYAT- Sanjani Baksena BLOCK- Dataganj DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun

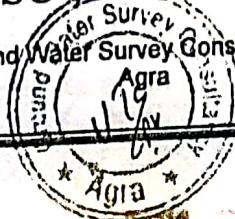


GROUND WATER SURVEY CONSULTANCY

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- SANJANI BAKSENA, BLOCK- DATAGANJ,
DISTT-BADAUN
UNDER
JAL JIVAN MISSION

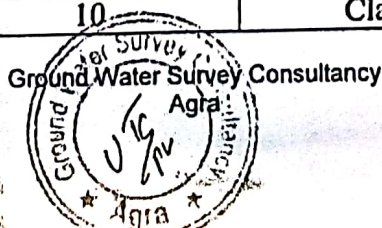
Introduction :

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 24.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:-

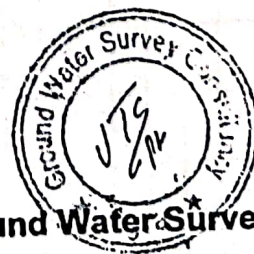
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Dry sand	
3.	8 - 18	10	Clay kankar	
4.	18 - 35	17	Fine to Medium sand	Medium
5.	35 - 40	5	Clay kankar	
6.	40 - 45	5	Fine to Medium sand	Medium
7.	45 - 50	5	Clay kankar	
8.	50 - 67*	17	Medium sand & kankar	Medium
9.	67 - 72	5	Clay kankar	
10.	72 - 75	3	Fine sand	Medium
11.	75 - 78	3	Clay kankar	
12.	78 - 90*	12	Medium sand	Medium
13.	90 - 96	6	Clay kankar	
14.	96 - 98	2	Fine to Medium sand	Medium
15.	98 - 104	6	Clay kankar	
16.	104 - 110*	6	Fine to Medium sand	Medium
17.	110 - 115	5	Clay kankar	
18.	115 - 120	5	Fine sand	Medium
19.	120 - 130	10	Clay kankar	



Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta 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.

Geophysicist



Ground Water Survey Consultancy

Rio a
 N16(SN)
 N64(LN)
 LAT

Logging Details
 Issd. by Sr. Supt.
 Supt. Sr. Supt. Charge
 Sr. Supt.
 Sr. Supt.
 Sr. Supt.
 Sr. Supt.

Logger SI No.
 IGS/01/21-22

Logger Name:
 SP (m V)

DMP-2
 Logger Owned by
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA UP, India

