

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A-2033

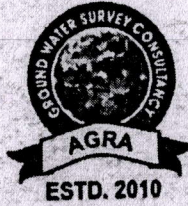
Date:- 28-10-2023

NAME OF SITE

GRAM PANCHAYAT- Karkatpur BOCK- 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- KARKATPUR, BLOCK- WAZIRGANJ,
DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

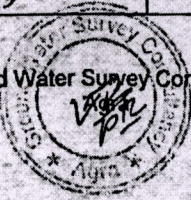
A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 28.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	Dry sand	
3.	15 - 18	3	Clay kankar	
4.	18 - 23	5	Fine sand	
5.	23 - 30	7	Clay kankar	
6.	30 - 53*	23	Medium sand	Medium
7.	53 - 57	4	Clay kankar	
8.	57 - 75*	18	Medium sand	Medium
9.	75 - 83	8	Clay kankar	
10.	83 - 90*	7	Medium sand	Medium
11.	90 - 95	5	Clay kankar	
12.	95 - 100*	5	Medium sand	Medium
13.	100 - 110	10	Clay kankar	
14.	110 - 121*	11	Medium sand	Medium
15.	121 - 130	9	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.

Geophysicist



Ground Water Survey Consultancy

Rhod
 NIKSON
 N 64 QN
 LAT

Location:
 18873 55 43/2000
 Ecor Annapuram Cm
 Road
 1st Me
 DOWNLISS NGS
 Date
 21 Oct 2023
 Time
 14:32
 Operator
 Umang Sachdev
 Mr. Deven

Log No: IGSS/2017/21-22

Dipper Model: SP
 Dipper Model: DMPL-2
 Dipper Oriented by:

GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, India

