

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:-B-2785

Date:- 29-12-2023

NAME OF SITE

Gram Panchayat- Nadayal BLOCK- Dahagawan DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

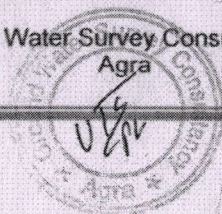
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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-NADAYAL, BLOCK- DAHAGAWAN, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

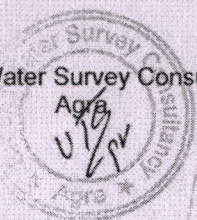
A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 128 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 - 16	6	Fine sand	
4.	16 - 23	7	Clay kankar	
5.	23 - 28	5	Fine sand	
6.	28 - 42	14	Clay kankar	
7.	42 - 65*	23	Medium sand	Medium
8.	65 - 72	7	Clay kankar	
9.	72 - 83*	11	Fine to Medium sand	Medium
10.	83 - 100	17	Clay kankar	
11.	100 - 111*	11	Fine to Medium sand	Medium
12.	111 - 114	3	Clay kankar	
13.	114 - 120*	6	Fine to Medium sand	Medium
14.	120 - 128	8	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
M16 (SN)
M64(LIN)
LAT

Logging Details:
Logging of resistivity (Rho a)
and apparent resistivity (Rho a)
by LOGGING
28 Dec 2011
11:45
Local

Logfile: S1.His
IGS/S/01/10-11

Logfile Name:
SP (m V)

DMP1-2

Logger Owned by:
GROUND WATER
SURVEY
CONSULTANCY
- AGRA INDIA

