

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-2089

Date:- 16-10-2023

NAME OF SITE

GRAM PANCHAYAT- Lalua Nagla

BLOCK- Asafpur

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

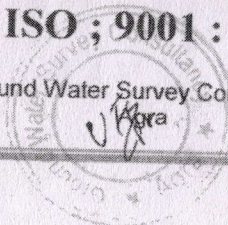
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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- LALUA NAGLA, BLOCK- ASAFPUR,
DISTT- BADAUN

UNDER JAL JIVAN MISSION

Introduction :

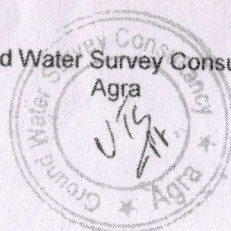
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 138 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 16.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 - 27	12	Clay kankar	
4.	27 - 37	10	Fine to Medium sand	Med to Good
5.	37 - 42	5	Clay kankar	
6.	42 - 47	5	Fine to Medium sand	Med to Good
7.	47 - 55	8	Clay kankar	
8.	55 - 86	31	Medium sand	Med to Good
9.	86 - 92	6	Clay kankar	
10.	92 - 96	4	Fine sand	Med to Good
11.	96 - 102	6	Clay kankar	
12.	102 - 123*	21	Medium sand	Med to Good
13.	123 - 140	17	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 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
 N16 SIN
 N64 QIN
 LAT

Logging Details
 Logging of bore well at
 Bahadur dist station
 UP, OGGINDIA
 16 Oct 2023
 23:11
 utwscs@gsa.in

Logger's No:
 IGIS/S/04/21-22

Logger Model:
 DMPL-2
 SP (mV)

Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

