

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-B-3150

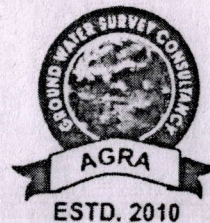
Date:- 29-02-2024

NAME OF SITE

GRAM PANCHAYAT- Nasirpur Gausu BLOCK- Sahaswan 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

Agra
11/2/24

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NASIRPUR GAUSU, BLOCK- SAHASWAN, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

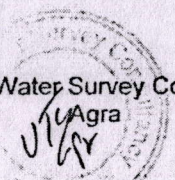
Introduction :

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 29.Feb.2024.

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:-

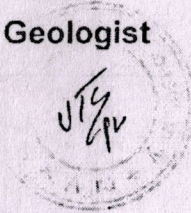
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 17	12	Clay kankar	
3.	17 - 20	3	Fine sand	
4.	20 - 22	2	Clay kankar	
5.	22 - 39	17	Medium sand	Medium
6.	39 - 47	8	Clay kankar	
7.	47 - 55*	8	Fine to Medium sand	Medium
8.	55 - 62	7	Clay kankar	
9.	62 - 70*	8	Medium sand	Medium
10.	70 - 75	5	Clay kankar	
11.	75 - 87*	12	Medium sand & kankar	Medium
12.	87 - 100	13	Clay kankar	
13.	100 - 107*	7	Fine to Medium sand & kan	Medium
14.	107 - 116	9	Clay kankar	
15.	116 - 121	5	Fine sand	Medium
16.	121 - 130	9	Clay kankar	



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



Plot a

N16 (S)
M64(LM)
LAT

Logging Details

Log No. or Survey Name
Date of Logging
25 Aug 2004
21.37
Station Name

Logger S No.
IGIS/S/01/10-11

SP (m V)

Logger Model
DMPL-2

Logger Owned by

Ground Water
Survey Consultancy
Agra UP India
India

