

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A-2017

Date:- 27-10-2023

NAME OF SITE

GRAM PANCHAYAT- Peer Nagar
BLOCK- Ujhani
DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



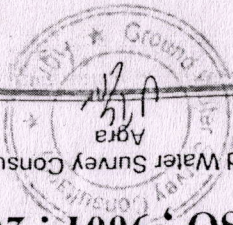
GROUND WATER SURVEY CONSULTANCY

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

112 A-Shree Nagar Colony, Firozabad Road, Agra-282006
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ISO : 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- PEER NAGAR, BLOCK- UJHANI, DISTT- BADAUN

UNDER

JAL JIVAN MISSION

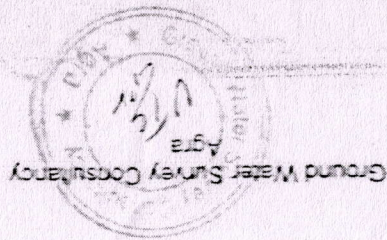
Introduction :

A Deep bore hole was drilled 145 mtrs. depth, and Logged depth 143 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 27.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 - 24	16	Clay kankar	
4.	24 - 38	14	Medium sand	Med to Good
5.	38 - 50	12	Clay kankar	
6.	50 - 62*	12	Medium sand	Med to Good
7.	62 - 71	9	Clay kankar	
8.	71 - 75*	4	Medium sand	Med to Good
9.	75 - 85	10	Clay kankar	
10.	85 - 95	10	Kankar with sand	
11.	95 - 110	15	Clay kankar	
12.	110 - 119*	9	Medium sand	Med to Good
13.	119 - 143	24	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 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.



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Development details by OP UNIT

Project: implementation of various rural water supply project in the state of uttar pradesh under jal jeevan mission

Client: M/s state water and sanitation mission[SWSM]UTTAR PARDESH

Contractor: M/s PNC-SPML-IV

Size of tubewell: 200*150 MM DIA

Depth of tubewell: 140 MTRS

Development of tubewell through OP UNIT

Capacity of OP UNIT : 0.5 Cusec

Date Starting 01/12/23

Date Ending 07/12/23

Development of tubewell by OP UNIT at GP :- PEERNAGAR Block:- UJHANI District:- BUDAUN

Sr no. Date Time of start Time of stop Hours Signature of operator Remark

Hours:minutes:seconds Hours:minutes:second Hours:minutes:second

2 1/12/23 7:30 AM 11:30 AM 4:00

3 12:30 PM 3:30 PM 3:00

4 3:30 PM 6:30 PM 3:00

5 7:00 PM 9:00 PM 2:00

6 9:30 PM 11:00 PM 1:30

7 2/12/23 8:00 AM 12:00 PM 4:00

12:40 PM 3:40 PM 3:00

4:30 PM 7:30 PM 3:00

8:00 PM 10:30 PM 2:30

3/12/23 7:30 AM 10:30 AM 3:00

11:00 AM 2:30 PM 3:30

13 4/12/23 8:00 AM 11:00 AM 3:00

12:30 PM 4:30 PM 4:00

15 6:30 PM 10:20 PM 3:50

16 5/12/23 7:50 AM 11:30 AM 3:40

17 12:30 PM 3:50 PM 3:20

18 5:20 PM 9:30 PM 4:10

19 6/12/23 7:00 AM 11:00 AM 4:00

20 12:00 PM 4:30 PM 4:30

21 6:00 PM 10:00 PM 4:00

22 7/12/23 8:00 AM 11:30 AM 3:30

23 12:30 PM 4:00 PM 3:30

24

TOTAL 78:30

Remark:-

M/s PNC-SPML-IV M/S TPIA Junior Engineer UPIN E&M Moradabad Assistant Engineer UPIN E&M Moradabad