

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:- 558

Date:- 03-03-2022

NAME OF SITE

Gram Panchayat- Pushgawan BLOCK- Ambiapur 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- PUSHGAWAN, BLOCK- AMBIAPUR, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 154 mtrs. depth. and Logged depth 150 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 03.Mar.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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 - 23	13	Dry sand	
4.	23 - 30	7	Clay kankar	
5.	30 - 40	10	Medium sand	Good
6.	40 - 42	2	Clay kankar	
7.	42 - 46	4	Fine sand	Good
8.	46 - 50	4	Clay kankar	
9.	50 - 57*	7	Fine to Medium sand	Good
10.	57 - 62	5	Clay kankar	
11.	62 - 90*	28	Medium sand	Good
12.	90 - 110	20	Clay kankar	
13.	110 - 120*	10	Fine to Medium sand	Good
14.	120 - 146	26	Clay kankar	
15.	146 - 150	4	Fine sand	Good

Ground Water Survey Consultancy
Agra



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 Good.
4. Expected discharge is 900 to 1000 L.P.M.
5. 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.
6. 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

