

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:-A-2419

Date:- 23-12-2023

NAME OF SITE

Gram Panchayat- Aurangbad Tappa Jamni BLOCK- Sahaswan DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun

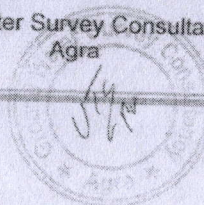


GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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- AURANGBAD TAPPA JAMNI, BLOCK- SAHASWAN,
DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 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 23.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 - 15	5	Medium sand	Medium
4.	15 - 24	9	Clay kankar	
5.	24 - 34	10	Medium sand	Medium
6.	34 - 41	7	Clay kankar	
7.	41 - 54*	13	Medium sand	Medium
8.	54 - 57	3	Clay kankar	
9.	57 - 67*	10	Medium sand	Medium
10.	67 - 78	11	Clay kankar	
11.	78 - 100*	22	Medium sand & kankar	Medium
12.	100 - 120	20	Sandy clay	
13.	120 - 130	10	Clay kankar	
14.	130 - 135*	5	Fine to Medium sand	Medium
15.	135 - 140	5	Clay kankar	

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 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
 N18 SNE
 N40W10
 LAT

Logging Details
 Logging ID: 2011-01-01
 Logging Date: 2011-01-01
 Logging Time: 10:00 AM
 Logging Location: 18° 18' N, 75° 10' E
 Logging Station: 18

Logger S No: IGIS/S/M/21-22

Logger Name: 3P (m V)
 DMPL-2
 Logger Owned by:

GROUND WATER SURVEY CONSULTANCY AGRA INDIA

