

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-B-3264

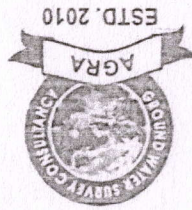
Date:- 21-03-2024

NAME OF SITE

Gram Panchayat-Tappa Sultanpur
Ahmednagar DISTT -Badann
BLOCK -Sahaswan

NAME OF AGENCY

M/s PNC-SPML-JV
Badann



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- SULTANPUR TAPPA AHMEDNAGAR, 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 is conduct at above bore hole using IGIS Well Logger on 21.Mar.2023.

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 - 13	8	Dry sand	
3.	13 - 20	7	Clay kankar	
4.	20 - 24	4	Fine sand	
5.	24 - 35	11	Clay kankar	
6.	35 - 40	5	Medium sand	Med to Good
7.	40 - 45	5	Clay kankar	
8.	45 - 50	5	Medium sand	Med to Good
9.	50 - 60	10	Clay kankar	
10.	60 - 69*	9	Medium sand	Med to Good
11.	69 - 84	15	Clay kankar	
12.	84 - 101*	17	Medium sand	Med to Good
13.	101 - 114	13	Clay kankar	
14.	114 - 128*	14	Medium sand	Med to Good
15.	128 - 140	12	Clay kankar	

Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta 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.

Geologist



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