

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-1709

Date:- 28-09-2023

NAME OF SITE

GRAM PANCHAYAT- Nasirpur Tappa Malsai BLOCK- ^{Dahgvan} 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

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REPORT ON GEOPHYSICAL WELL LOGGING

AT

Dahganwan

GRAM PANCHAYAT- NASIRPUR TAPPA MALSAI, 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 28.Sep.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 - 20	10	Medium sand	
4.	20 - 28	8	Clay kankar	
5.	28 - 32	4	Medium sand	Medium
6.	32 - 38	6	Clay kankar	
7.	38 - 49*	11	Medium sand	Medium
8.	49 - 55	6	Clay kankar	
9.	55 - 64*	9	Medium sand	Medium
10.	64 - 76	12	Clay kankar	
11.	76 - 87*	11	Medium sand	Medium
12.	87 - 100	13	Clay kankar	
13.	100 - 105*	5	Medium sand	Medium
14.	105 - 110	5	Clay kankar	
15.	110 - 120*	10	Medium sand	Medium
16.	120 - 130	10	Clay kankar	

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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.

Geophysicist



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Rho s
 N16 (S)
 N64(L)
 LAT

Logging Co: Naitheer Tappa
 Madia Road, Sharnan Dist
 Budaun
 UP LOGGING
 28 Sep 2023
 1658
 Umesh Gupta (AG)

Logger Site:
 GIS/S/O2/22-23

SP (m V)
 Logger Model:
 DMRP-L2
 Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, INDIA

