

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B- 42

Date:- 10-04-2023

NAME OF SITE

GRAM PANCHAYAT- Badli

BLOCK- Swar

DISTT- Rampur

NAME OF AGENCY

M/s PNC-SPML-JV

Moradabad

22, CAMAC STREET, BLOCK-A, 3rd FLOOR, KOLKATA-700016



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- BADLI, BLOCK- SWAR, DISTT- RAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 124 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Moradabad.

On the request of M/S PNC-SPML-JV, Moradabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 10.April.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:-

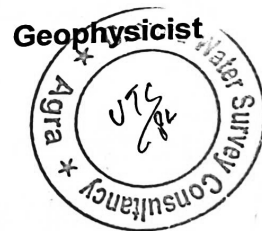
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 13	8	Fine sand	
3.	13 - 25	12	Clay kankar	
4.	25 - 37	12	Fine to Medium sand	Good
5.	37 - 48	11	Clay kankar	
6.	48 - 57	9	Medium sand	Good
7.	57 - 65	8	Clay kankar	
8.	65 - 94*	29	Medium sand & kankar	Good
9.	94 - 98	4	Clay kankar	
10.	98 - 107*	9	Medium sand	Good
11.	107 - 110	3	Clay kankar	
12.	110 - 112	2	Fine sand	Good
13.	112 - 115	3	Clay kankar	
14.	115 - 121*	6	Fine to Medium sand	Good
15.	121 - 124	3	Clay kankar	

Ground Water Survey Consultancy



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. 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.



Ground Water Survey Consultancy

Rio a
 N16 (SN)
 N64(QN)
 LAT

Logging Details
 DILOGGING DATA
 Loggs No. V - Red Book
 Slat Code: N-1000
 UP LOGGING No
 10 Apr 2023
 12:53
 User: G. J. (G)

Logger Site
 IGIS/S/01/21-22

Logger Model:
 SP (m V)

DMPLE-2

Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, India

