

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 723

Date:- 12-01-2023

NAME OF SITE

GRAM PANCHAYAT- Patti Fajullabad BLOCK- Shahabad DISTT- Rampur

NAME OF AGENCY

M/s PNC-SPML-JV
Moradabad
22, CAMAC STREAT, 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



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PATTI FAJULLABAD, BLOCK- SHAHABAD,
DISTT- RAMPUR
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, 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 12.Jan.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 - 8	3	Dry sand	
3.	8 - 20	12	Clay kankar	
4.	20 - 25	5	Fine sand	
5.	25 - 28	3	Clay kankar	
6.	28 - 45	17	Medium sand	Med to Good
7.	45 - 50	5	Clay kankar	
8.	50 - 65*	15	Medium sand	Med to Good
9.	65 - 69	4	Clay kankar	
10.	69 - 78*	9	Medium sand	Med to Good
11.	78 - 83	5	Sandy clay	
12.	83 - 90*	7	Medium sand	Med to Good
13.	90 - 105	15	Sandy clay	
14.	105 - 112*	7	Medium sand	Med to Good
15.	112 - 120	8	Clay	
16.	120 - 125	5	Medium sand	Med to Good
17.	125 - 130	5	Clay kankar	

Ground Water Survey & Monitoring Agency



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 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.

Geophysicist



Ground Water Survey Consultancy

Rhoe a
 NI6 (SN)
 NS6(110)
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Logging of Test Equipment
 Date of Report: 07
 Location: GOSWAMIPUR
 Date: 12/01/2021
 16:45
 User: Gopal KAC

SP (m V)

