

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-515

Date:- 17-05-2023

NAME OF SITE

GRAM PANCHAYAT- Hurmat Nagar BLOCK- Milak DISTT- Rampur

NAME OF AGENCY

M/s PNC-SPML-JV
Rampur
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

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HURMAT NAGAR, BLOCK- MILAK, DISTT- RAMPUR
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, Rampur.

On the request of M/S PNC-SPML-JV, Rampur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 17.May.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	Clay kankar	
3.	8 - 25	17	Fine to Medium sand	Medium
4.	25 - 33	8	Clay kankar	
5.	33 - 52	19	Fine to Medium sand	Medium
6.	52 - 60	8	Clay kankar	
7.	60 - 84*	24	Medium sand	Medium
8.	84 - 90	6	Clay kankar	
9.	90 - 102*	12	Medium sand	Medium
10.	102 - 107	5	Clay kankar	
11.	107 - 117*	10	Medium sand	Medium
12.	117 - 125	8	Clay kankar	
13.	125 - 135*	10	Medium sand	Medium
14.	135 - 138	3	Clay	
15.	138 - 140	2	Fine sand	Medium

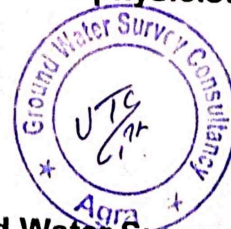
Ground Water Survey Consultancy



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 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



Ground Water Survey Consultancy

Rho a
 N16 (SN)
 NS40(LN)
 LAT

Logging Details
 Logging Company: Nitel
 Borehole No: NS40(LN)
 Date: 11/01/2022
 11/01/2022
 11/01/2022
 Operator: Gaurav Jaiswal

Logger S No: KGS/S/01/21-22

SP (mV)

Logger Model: DMPL-2
 Logger Owned by: GROUND WATER SURVEY CONSULTANCY AGRA, UP, India

