

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B- 1272

Date:- 12-07-2023

### NAME OF SITE

GRAM PANCHAYAT- Dharampur

BLOCK- Sahahbad

DISTT- Rampur

### NAME OF AGENCY

M/s PNC-SPML-JV

Rampur

22, CAMAC STREAT, BLOCK-A, 3<sup>rd</sup> FLOOR, KOLKATA-700016



## GROUND WATER SURVEY CONSULTANCY

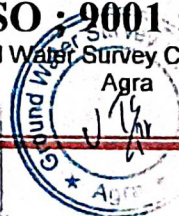
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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- DHARAMPUR, BLOCK- SAHAHBAD, DISTT- RAMPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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 12.July.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 - 15	10	Dry sand	
3.	15 - 26	11	Fine sand	
4.	26 - 33	7	Clay kankar	
5.	33 - 51	18	Medium sand	Good
6.	51 - 57	6	Clay kankar	
7.	57 - 91*	34	Medium sand	Good
8.	91 - 100	9	Clay kankar	
9.	100 - 111*	11	Medium sand	Good
10.	111 - 120	9	Clay kankar	

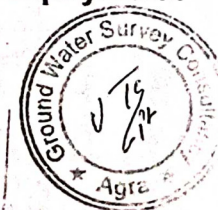
Ground Water Survey Consultancy



**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.

**Geophysicist**



**Ground Water Survey Consultancy**

Rho a  
 NI6(SN)  
 NI4(LN)  
 LAT  
 Logging Details:  
 SP: 16.000000  
 Section: 16.000000  
 UP: 0.000000  
 12.000000  
 12.32  
 16.000000  
 16.000000

Logging S.No.:  
 IG/S/02/23-24

SP (mV)  
 Logging Mode:  
 DMPL-2  
 Logging Over by:  
 Ground Water  
 Survey Consultancy  
 Agra UP India

