

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTOLOGGING REPORT

Ref No:- 1061

Date:- 19-10-2022

NAME OF SITE

GRAM PANCHAYAT- Gadmarpatti

BLOCK- Shahabad

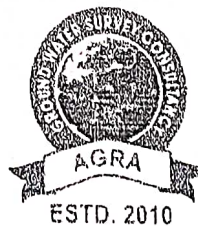
DISTT- Rampur

NAME OF AGENCY

M/s PNC-SPML-JV

Moradabad

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



GROUND WATER SURVEY CONSULTANCY
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ISO ; 9001 : 2015

Ground Water Survey Consultancy

UTG Agra
PF

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GADMARPATTI, 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 19.Oct.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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 - 16	11	Fine to Medium sand	
3.	16 - 32	16	Clay kankar	
4.	32 - 53*	21	Medium sand	Good
5.	53 - 57	4	Clay kankar	
6.	57 - 66*	9	Medium sand	Good
7.	66 - 70	4	Kankar	
8.	70 - 90*	20	Medium sand	Good
9.	90 - 93	3	Clay kankar	
10.	93 - 112*	19	Medium sand	Good
11.	112 - 122	10	Clay kankar	
12.	122 - 130	8	Sandy clay	

Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta 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

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Ground Water Survey Consultancy

Rho a
 N16 (SM)
 N64 (LN)
 LAT

250-
 225-
 200-
 175-
 150-
 125-
 100-
 75-
 50-
 25-
 -25-
 -50-
 -75-
 -100-
 -125-
 -150-
 -175-
 -200-
 -225-
 -250-

Ohm m

