

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-3029

Date:- 05-02-2024

NAME OF SITE

GRAM PANCHAYAT- Daniyapur

BLOCK- Shahbad

DISTT- Rampur

NAME OF AGENCY

M/s PNC-SPML-JV
Rampur



GROUND WATER SURVEY CONSULTANCY

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

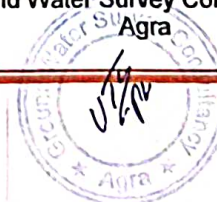
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Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DANİYAPUR, BLOCK- SHAHBAD, DISTT- RAMPUR UNDER JAL JIVAN MISSION

Introduction :

A Doop 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 05.Feb.2024.

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 - 16	8	Sandy clay	
4.	16 - 26	10	Fine sand	
5.	26 - 35	9	Clay kankar	
6.	35 - 50	15	Medium sand	Medium
7.	50 - 55	5	Kankar	
8.	55 - 66*	11	Medium sand	Medium
9.	66 - 73	7	Clay kankar	
10.	73 - 80*	7	Medium sand	Medium
11.	80 - 85	5	Clay kankar	
12.	85 - 95*	10	Fine to Medium sand	Medium
13.	95 - 100	5	Clay kankar	
14.	100 - 105	5	Fine sand	Medium
15.	105 - 109	4	Clay kankar	
16.	109 - 120*	11	Fine to Medium sand & kan	Medium
17.	120 - 125	5	Clay kankar	
18.	125 - 135*	10	Fine to Medium sand	Medium
19.	135 - 140	5	Clay kankar	

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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.

Geologist



Rno 2
NT6 (SN)
N64(L/N)
LAT

Logging Details:
Boring & description 200
Reference grid number
US LOCATION
05 Aug 2004
13 12
0000

Logger S No:
IGSS/01/10-11

E
SP (mV)

Logger Model:
DMM-2
Logger Owned by:
Ground Water
Survey Consultancy
Agra UP India
India

