

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-1218

Date:- 04-07-2023

NAME OF SITE

GRAM PANCHAYAT- Faiz Nagar

BLOCK- Chamraua

DISTT- Rampur

NAME OF AGENCY

M/s PNC-SPML-JV

Rampur

22, CAMAC STREET, 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

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- FAIZ NAGAR, BLOCK- CHAMRAUA,
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 04.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 - 10	5	Fine sand	
3.	10 - 25	15	Sandy clay	
4.	25 - 42	17	Fine to Medium sand	Good
5.	42 - 48	6	Clay kankar	
6.	48 - 81*	39	Medium sand & kankar	Good
7.	81 - 89	8	Clay kankar	
8.	89 - 110*	21	Medium sand	Good
9.	110 - 114	4	Clay kankar	
10.	114 - 118*	4	Fine to Medium sand	Good
11.	118 - 120	2	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 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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Rho a

- █ N16 (SN)
- █ N64(LN)
- █ LAT

Logging Details:

Logging v. by: 2-11-2003
 Company Name: GROUND WATER SURVEY CONSULTANCY
 OF INDIA
 04 JUL 2003
 12.23
 User: punit kumar

Logger S. No: 105/S/01/21-22

Logger Model: █ GP (m V)

DMPTL-2

Logger Connected by:

GROUND WATER SURVEY CONSULTANCY AGRA, UP, India

