

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NASIRABAD, BLOCK- BARACHAWAR, DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

395
60+210+30
20X150
50X450

Introduction :

A Deep bore hole was drilled 360 mtrs. depth. and Logged depth 347 mtrs. at above site. Was drilled by M/S VSA Infra Projects Pvt. Ltd. Ghazipur.

On the request of M/S VSA Infra Projects Pvt. Ltd. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 15.April.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:-

Mud Resistivity = 15.21 Ohms.

Drilling Water Resistivity = 16.10 Ohms.

Approx Water Level = 15 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	10 - 15	5	Fine sand	Good
2.	21 - 30	9	Fine to Medium sand	Good
3.	32 - 39	7	Medium sand	Good
4.	52 - 55	3	Fine sand	Good
5.	91 - 94	3	Fine sand	Mod to Good
6.	124 - 127	3	Fine sand	Mod to Good
7.	142 - 150	8	Medium sand	Good
8.	209 - 225	16	Fine to Med sand & kan -15	Good
9.	235 - 240	5	Fine to Medium sand -3	Good
10.	250 - 254	4	Medium sand -3	Good
11.	264 - 268	4	Fine sand -3	Good
12.	273 - 282	9	Fine sand & kankar -6	Good

- Note :- 1. Please ensure pre-monsoon water level before lower the well assembly
2. Clay kankar is present in depth range 56-90, 95-123, 128-141, 151-208, 226-234, 241-249, 255-263, 269-272 and 283 Mtr bgl to till depth logged.
3. Predominated clay is present in depth range 16-20, 40-51 mtr bgl.

6 Latitude:- 25.733282
Longitude:- 83.790147

B P [Signature]
Geologist