

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PADRAW TW - 2 ZONE - 2, BLOCK- BARACHAWAR,
DISTT- GHAZIPUR
UNDER
JAL JIVAN MISSION

Introduction :

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

On the request of M/S VSA Infra Pvt. Ltd. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 27.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:-

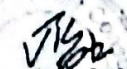
Mud Resistivity = 15.90 Ohms.

Drilling Water Resistivity = 16.00 Ohms.

Approx Water Level = 9 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	22 - 29	7	Medium sand	Good
2.	47 - 50	3	Fine sand	Good
3.	64 - 67	4	Fine to medium sand	Good
4.	107 - 110	3	Fine sand	Mod to Good
5.	118 - 130	12	Fine sand	Mod to Good
6.	140 - 163	23	Medium sand & kankar	Good
7.	168 - 172	4	Medium sand & kankar	Good
8.	177 - 183	5	Fine to medium sand	Good
9.	187 - 192	5	Fine sand	Good
10.	200 - 205	5	Fine sand & kankar	Mod to Good
11.	238 - 242	4	Fine to medium sand	Good
12.	247 - 252	5	Medium sand	Good
13.	255 - 259	4	Fine to medium sand	Good
14.	262 - 267	5	Medium sand	Good

- Note :-**
1. Please ensure pre-monsoon water level before lower the well assembly
 2. Quality Of Ground water is deteriorating Marginally Saline in between 75 to 86 and 275 Mtr bgl to till depth logged bgl.
 3. Predominated clay is present in depth range 30-46, 68-74, 87-106, 131-139, 215-225, 268-274 and 290-304 mtr bgl.
 4. Clay kankar is present in depth range 51-63, 111-117, 164-167, 173-176, 184-186, 193-199, 206-210, 226-237 and 243-246 Mtr bgl.


Geophysicist

