

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHARTPUR GRINT, BLOCK- GAINDAS BUZURG,
DISTT- BALRAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~156~~ mtrs. at above site. Was drilled by M/S Brother's & Construction Company, Balrampur.

On the request of M/S Brother's & Construction Company, Balrampur. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 31.May.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:-

Mud Resistivity = ~~24.32~~ Ohms.

Drilling Water Resistivity = ~~25.64~~ Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 20	5	Fine sand	Good
4.	20 - 30	10	Clay kankar	
5.	30 - 44	14	Medium sand	Good
6.	44 - 50	6	Clay kankar	
7.	50 - 60*	10	Medium sand	Good
8.	60 - 69	9	Clay kankar	
9.	70-69 - 75*	5	Medium sand	Good
10.	75 - 80	5	Clay kankar	
11.	80 - 92*	12	Medium sand	Good
12.	92 - 100	8	Clay kankar	
13.	100 - 103	3	Fine sand	Good
14.	103 - 112	9	Clay kankar	
15.	112 - 128*	16	Medium sand & kankar	Good
16.	128 - 136	8	Clay kankar	
17.	136 - 156*	20	Medium sand	Good

Gsh
01/06/23

Ground Water Survey Consultancy
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- Logging performed as per SWSM guidelines.
- Groundwater quality interpreted by firm as per their logger calibration.