

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SHEKHAPUR, BLOCK- BALRAMPUR, DISTT- BALRAMPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~152~~ mtrs. at above site. Was drilled by M/S Dara Eco Protection (JV), Balrampur.

On the request of M/S Dara Eco Protection (JV), Balrampur. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 28.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 = ~~23.37~~ Ohms.

Drilling Water Resistivity = ~~24.73~~ Ohms.

Approx Water Level = 3 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 22	17	Medium sand	Good
3.	22 - 28	6	Clay kankar	
4.	28 - 40	12	Medium sand	Good
5.	40 - 46	6	Clay kankar	
6.	46 - 72*	26	Medium sand & kankar	Good
7.	72 - 78	6	Clay kankar	
8.	78 - 91*	13	Medium sand	Good
9.	91 - 96	5	Clay kankar	
10.	96 - 100*	4	Fine to Medium sand	Good
11.	100 - 106	6	Clay kankar	
12.	106 - 109	3	Fine sand	Good
13.	109 - 111	2	Clay kankar	
14.	111 - 115*	4	Fine to Medium sand	Good
15.	115 - 120	5	Clay kankar	
16.	120 - 132*	12	Medium sand	Good
17.	132 - 140	8	Clay kankar	
18.	140 - 150*	10	Medium sand	Good
19.	150 - 152	2	Clay kankar	

G.Su
30/05/23

Ground Water Survey Consultancy



Logging performed as per SWSM guidelines. - Groundwater quality interpreted by fomas per their logger calibration.