

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AMARPUR DILABRI, BLOCK- KASGANJ, DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 115 mtrs. depth. and Logged depth 112 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Kasganj.

On the request of M/S PNC-SPML-JV, Kasganj, a Geophysical well Logging in the above bore hole using IGIS Well Logger on 29 April 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 = 15.87 Ohms.

Drilling Water Resistivity = 16.91 Ohms.

Approx Water Level = 8 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 7	2	Clay kankar	
3.	7 - 13	6	Fine sand	
4.	13 - 18	5	Clay kankar	
5.	18 - 35	17	Fine to Medium sand	Medium
6.	35 - 41	6	Clay kankar	
7.	41 - 48*	7	Fine to Medium sand	Medium
8.	48 - 52	4	Clay kankar	
9.	52 - 65*	13	Medium sand	Medium
10.	65 - 70	5	Clay kankar	
11.	70 - 78	8	Sand & kankar	
12.	78 - 86	8	Clay kankar	
13.	86 - 93*	7	Medium sand	Medium
14.	93 - 96	3	Clay kankar	
15.	96 - 110*	14	Medium sand & kankar	Medium
16.	110 - 112	2	Clay kankar	

Sr N 015 - Highly
Kankar
G.S.H.
29/04/23

Ground Water Survey Consultancy



- Logging performed as per SWSM guidelines.
- Groundwater quality expected by firm as per their logger calibration.