

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- USMANPUR, BLOCK- GANJDUNDWARA, DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 is conduct at above bore hole using IGIS Well Logger on 28.Jan. 2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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 = 15.86 Ohms.

Drilling Water Resistivity = 17.69 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 - 8	3	Clay kankar	
3.	8 - 11	3	Fine sand	
4.	11 - 16	5	Clay kankar	
5.	16 - 18	2	Fine sand	
6.	18 - 21	3	Clay kankar.	
7.	21 - 25	4	Fine to Medium sand	Medium
8.	25 - 27	2	Clay kankar	
9.	27 - 33	6	Medium sand	Medium
10.	33 - 40	7	Clay kankar	
11.	40 - 47	7	Medium sand	Medium
12.	47 - 53	6	Clay kankar	
13.	53 - 62*	9	Medium sand	Medium
14.	62 - 66	4	Clay kankar	
15.	66 - 73*	7	Medium sand	Medium
16.	73 - 76	3	Clay kankar	
17.	76 - 78	2	Fine sand	Medium
18.	78 - 91	13	Clay kankar	
19.	91 - 96	5	Sand & kankar	Medium
20.	96 - 101	5	Clay kankar	
21.	101 - 107*	6	Medium sand	Medium
22.	107 - 110	3	Clay kankar	

Ground Water Survey Consultancy



- logging performed as per
SWSM guidelines.
- Ground water quality interpret
- ed by firm as per their logger
calibration G823070121