

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AKHTAU MANGAD, BLOCK- SIDHPURA, DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 125 mtrs. depth. and Logged depth 123 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 06.aug. 2022.

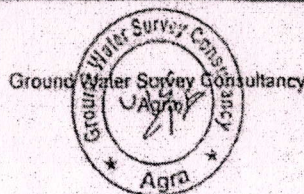
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 16.75 Ohms.

Drilling Water Resistivity = 16.54 Ohms.

Approx Water Level = 4 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 18	8	Fine to Medium sand	Good
4.	18 - 42	24	Kankar with sand	
5.	42 - 55*	13	Medium sand	Good
6.	55 - 76	21	Clay kankar	
7.	76 - 85*	9	Medium sand	Good
8.	85 - 90	5	Sandy Clay	
9.	90 - 96*	6	Medium sand	Good
10.	96 - 123	27	Clay kankar	



- Logging performed as per ISWM guidelines - Groundwater quality interpreted by firm as per their logg calibration.

9.8.2022
CIRCLE OFFICE
U.P. JAL NIGAM (R)
PRAYAG