

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ITWARPUR, BLOCK- SAHAWAR,
DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 128 mtrs. depth. and Logged depth 128 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 26.Dec. 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 = 19.86 Ohms.

Drilling Water Resistivity = 21.07 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 - 10	5	Clay kankar	
3.	10 - 30	20	Medium sand	Good
4.	30 - 40	10	Clay kankar	
5.	40 - 53*	13	Medium sand	Good
6.	53 - 60	7	Clay kankar	
7.	60 - 64	4	Kankar	
8.	64 - 75	11	Clay kankar	
9.	75 - 80*	5	Medium sand	Good
10.	80 - 85	5	Clay kankar	
11.	85 - 103*	18	Medium sand	Good
12.	103 - 110	7	Clay kankar	
13.	110 - 115	5	Fine sand	Good
14.	115 - 128	13	Clay kankar	

Ground Water Survey Consultancy



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

Scanned with CamScanner