

REPORT ON GEOPHYSICAL WELL LOGGING AT

**GRAM PANCHAYAT- NEOLI, BLOCK- SAHAWAR, 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.

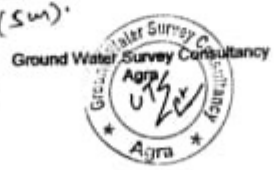
On the request of M/S PNC-SPML-JV, Kasganj. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 17.Nov. 2022.

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 = 12.08 Ohms.
Drilling Water Resistivity = 10.50 Ohms.
Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 16	11	Clay kankar	
3.	16 - 26	10	Medium sand	Medium
4.	26 - 30	4	Clay kankar	
5.	30 - 32	2	Fine sand	Medium
6.	32 - 42	10	Clay kankar	
7.	42 - 50*	8	Medium sand	Medium
8.	50 - 56	6	Clay kankar	
9.	56 - 66*	10	Medium sand	Medium
10.	66 - 75	9	Clay kankar	
11.	75 - 86*	11	Fine to Medium sand	Medium
12.	86 - 94	8	Clay kankar	
13.	94 - 101*	7	Fine to Medium sand	Medium
14.	101 - 110	9	Clay kankar	

- Sr No 13 - may consider as 95-100 (5m).
- Sr No 11 and 13 have finer sediments.



- Logging performed as per SWEM guidelines - Groundwater quality interfered by from aster their logger calibration

ASSISTANT DIRECTOR
GEOLOGICAL SURVEY OF INDIA
17/11/22
ERWAGRA

