

REPORT ON GEOPHYSICAL WELL LOGGING

AT
GRAM PANCHAYAT BADHAARI KALAN, BLOCK-SAHAWAR, DISTT-KASGANJ
UNDER
JAL JIVAN MISSION

Introduction:

A Deep bore hole was drilled 123 mtrs. depth. and Logged depth 120 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 = 16.13-Ohms.

Drilling Water Resistivity = 18.28-Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 31	26	Fine Sand	
3.	31 - 40	9	Clay kankar	
4.	40 - 54*	14	Medium sand & kankar	Good
5.	54 - 60.	6	Clay kankar	
6.	60 - 66*	6	Medium sand	Good
7.	66 - 72	6	Clay kankar	
8.	72 - 82*	10	Medium sand & kankar	Good
9.	82 - 105	23	Clay kankar	
10.	105 - 107	2	kankar	
11.	107 - 120	13	Clay kankar	consider



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Handwritten notes in Hindi:
- SV NO 8 may (3m) to avoid
- Logging guidelines
- Groundwater quality
- Suggested by form and
- Prepared by form and
- for their log book