

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KARANPUR NAGLA NUNERA, BLOCK- PATIYALI,
DISTT- KASGANJ
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth ¹¹⁰ 120 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 01.Mar.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer 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 = 14.94 Ohms.

Drilling Water Resistivity = 16.76 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 - 8	3	Clay	
3.	8 - 19	11	Medium sand	
4.	19 - 26	7	Clay kankar	
5.	26 - 33	7	Fine to medium sand	Medium
6.	33 - 37	4	Clay kankar	
7.	37 - 57*	20	Medium sand	Medium
8.	57 - 61	4	Clay kankar	
9.	61 - 67*	6	Medium sand	Medium
10.	67 - 90	23	Clay kankar	
11.	90 - 102*	12	Medium sand	Medium
12.	102 - 120	18	Clay kankar	



- logging performed as per
SWSM guidelines.
- Groundwater quality
interpreted by ferns as
has been lower.