

REPORT ON GEOPHYSICAL WELL LOGGING AT

**GRAM PANCHAYAT- NADARMAI, BLOCK- AMAPUR, DISTT- KASGANJ
UNDER
JAL JIVAN MISSION**

Introduction :

A Deep bore hole was drilled 122 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 in the above bore hole using IGIS Well Logger on 16 June 2022.

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 = 15.56 Ohms.

Drilling Water Resistivity = 23.85 Ohms.

Approx Water Level = 16.58 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 11	6	Clay kankar	
3.	11 - 16	5	Fine Sand	Good
4.	16 - 22	6	Clay kankar	
5.	22 - 35	13	Fine to Med Sand	Good
6.	35 - 40	5	Clay kankar	
7.	40 - 46*	6	Fine Sand	Medium
8.	46 - 53	7	Clay Kankar	
9.	53 - 56	3	Kankar	Medium
10.	56 - 78	22	Clay Kankar	
11.	78 - 90	12	Kankar	Medium
12.	90 - 120	30	Clay Kankar	

Ground Water Survey Consultancy



*Logging performed by
M/S PNC-SPML JV
Ground water quality
substantiated by firm as
per their log report
calculation*