

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT - ALAHDINPUR, BLOCK - SAHAWAR, DISTT - KASGANJ

UNDER

JAL JIVAN MISSION

op. change in AE

Introduction :

A Deep bore hole was drilled 115 mtrs. depth and Logged depth 105 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 conducted at above bore hole using IGIS Well Logger on 28 Jan. 2023.

Logging Parameters - 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 = 23.86 Ohms.

Drilling Water Resistivity = 24.07 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 - 11	6	Fine sand	
3.	11 - 16	5	Clay kankar	
4.	16 - 26	10	Fine to Medium sand	Good
5.	26 - 28	2	Clay kankar	
6.	28 - 32	4	Fine to Medium sand	Good
7.	32 - 35	3	Clay kankar	
8.	35 - 41	6	Sand & kankar	Good
9.	41 - 47	6	Clay kankar	
10.	47 - 54*	7	Medium sand	Good
11.	54 - 57	3	Clay kankar	
12.	57 - 61*	4	Fine to Medium sand	Good
13.	61 - 69	8	Clay kankar	
14.	69 - 75*	6	Medium sand & kankar	Good
15.	75 - 84	9	Clay kankar	
16.	84 - 101**	17	Medium sand	Good
17.	101 - 105	4	Clay kankar	

Sr No 10 - 49 - 54 (Sw)

Sr No 14 - 70 - 75 (Sw)

Sr No 16 - 84 - 100 (Sw)

G. Ch
20/07/23



Logging performed as per SWSP guidelines. Ground water quality interpreted by firm as per their logger calibration.