

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- ARJUNPUR KADIM, BLOCK- AMAPUR, DISTT- KASGANJ
 UNDER
 JAL JIVAN MISSION

Introduction:

A Deep bore hole was drilled 120 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 conducted at above bore hole using IGIS Well Logger on 31 May 2022.

Logging Parameters - Self potential, short normal (N-16), Long Normal (N-84), 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 = 23.65 Ohms

Drilling Water Resistivity = 22.67 Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1	0 - 5	5	Surface soil	
2	5 - 12	7	Clay kankar	
3	12 - 35	23	Medium sand	Good
4	35 - 60	25	Clay kankar	
5	60 - 86*	26	Medium sand	Good
6	86 - 120	34	Clay kankar	



Logging performed under SW3M guidelines. Groundwater quality interpreted by firm on the basis of their logger calibration.

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