REPORT ON GEOPHYSICAL WELL LOGGING
AT

GRAM PANCHAYAT- LADASIA URF LUTUFULLAPUR & BHARURA,
BLOCK- ALIGANJ, DISTT- ETAH

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 Kalpataru Power Transmission limited, Etah.

On the request of M/s Kalpataru Power Transmission limited, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 22.April.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 = 14.76 Ohms.

Drilling Water Resistivity = 15.41 Ohms.

Approx Water Level = 4 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 13	8	Dry sand	
3.	13 - 20	7	Fine sand	
4.	20 - 28	8	Clay kankar	
5.	28 - 33	5	Fine to Medium sand	Medium
6.	33 - 37	4	Clay kankar	
7.	37 - 42*	5	Medium sand & kankar	Medium
8.	42 - 52	10	Clay kankar	
9.	52 - 57	5	Sand & kankar	Medium
10.	57 - 60	3	Clay kankar	
11.	60 - 67*	7	Medium sand	Medium
12.	67 - 95	28	Clay kankar	
13.	95 - 100*	5	Medium sand	Medium
14.	100 - 110	10	Clay kankar	
15.	110 - 115*	5	Medium sand	Medium
16.	115 - 120	5	Clay kankar	

Ground Water Survey Consultancy Agra

- Logging performed as per SWSM guidelines
- Groundwater quality interpreted by firm as per their logger calib

G.Sh
24/04/23