

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SHAHBGANJ, BLOCK- NAWABGANJ,
DISTT- FARRUKHABAD
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth ~~129~~ mtrs. at above site. Was drilled by M/s G.V.P.R. Engineering Ltd., Hyderabad.

On the request of M/s G.V.P.R. Engineering Ltd., Hyderabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 09.Dec.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 = ~~17.93~~ Ohms.

Drilling Water Resistivity = ~~20.43~~ Ohms.

Approx Water Level = 14 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 14	9	Dry sand	
3.	14 - 22	8	Clay	
4.	22 - 30	8	Fine to Medium sand	Medium
5.	30 - 36	6	Clay kankar	
6.	36 - 42	6	Fine to Medium sand	Medium
7.	42 - 50	8	Clay kankar	
8.	44 - 53°	9	Medium sand	Medium
9.	53 - 62	9	Clay kankar	
10.	62 - 70°	8	Medium sand	Medium
11.	70 - 89	19	Clay kankar	
12.	89 - 99°	10	Fine to Medium sand	Medium
13.	99 - 111	12	Kankar	
14.	111 - 118°	7	Fine to Medium sand	Medium
15.	118 - 140	22	Clay kankar	

Ground Water Survey Consultancy



*Logging performed as per
SWSM guidelines
Groundwater quality
interpreted by form as
per their log
calibrated*

*98
12/12/22*