# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL **ELECTOLOGGING REPORT**

Ref No:-A-2133

Date: - 04-11-2023

NAME OF SITE

GRAM PANCHAYAT- Faridpur Nausana - BLOCK- Salarpur

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV Badaun



### GROUND WATER SURVEY CONSULTANCY

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ISO; 9001: 2015

# REPORT ON GEOPHYSICAL WELL LOGGING

GRAM PANCHAYAT- FARIDPUR NAUSANA, BLOCK- SALARPUR,
DISTT- BADAUN
UNDER
JAL JIVAN MISSION

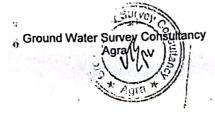
#### Introduction:

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 04.Nov.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:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
	0 - 5	5	Surface soil	
1.	5 - 20	e 15	Clay kankar	
2.	20 - 28	8	Medium sand	Medium
3.	28 - 33	5	Clay kankar	
4	33 - 37	4	Medium sand	Medium
5	37 - 45	8	Clay kankar	
6.	45 - 50*	. 5 -	Medium sand	Medium
7.	50 - 55		Clay kankar	50 D
8.	55 - 64*	9	Medium sand	Medium
9.		2	Clay kankar	
10	64 - 66	9	Medium sand	Medium
11.	66 - 75*	7	Clay kankar	
12	75 - 82	3	Medium sand	Medium
13.	82 - 85*	5	Clay kankar	
14.	85 - 90	<u> </u>	Medium sand	Medium
15.	90 - 119*	6	Clay kankar	
16.	119 - 125	12	Medium sand	Medium
17.	125 - 137*	3	Clay kankar	
18.	137 - 140			-



### **Conclusions and Recommendations:**

- 1. The Lithology broadly tallies with that of drill cutting starta chart.
- The zones marked with asterisk (\*) appear to be aquifer zones for possible development of tube well.
- The Quality of water is expected Medium.
- 4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
- 5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

Geophysicist

**Ground Water Survey Consultancy** 

