

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A- 598

Date:- 22-05-2023

NAME OF SITE

GRAM PANCHAYAT- Fatehpur

BLOCK- Samrer

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- FATEHPUR, BLOCK- SAMRER,
DISTT.- BADAUN

UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 138 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 is conduct at above bore hole using IGIS Well Logger on 22.May.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
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Dry sand	
3.	10 - 15	5	Clay kankar	
4.	15 - 34	19	Medium sand	Med to Good
5.	34 - 36	2	Clay kankar	
6.	36 - 50*	14	Medium sand	Med to Good
7.	50 - 55	5	Clay kankar	
8.	55 - 74*	19	Medium sand	Med to Good
9.	74 - 89	15	Clay kankar	
10.	89 - 100*	11	Medium sand	Med to Good
11.	100 - 110	10	Clay kankar	
12.	110 - 120*	10	Medium sand	Med to Good
13.	120 - 124	4	Clay kankar	
14.	124 - 130	6	Fine sand	Med to Good
15.	130 - 138	8	Clay kankar	



Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium to Good.
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.



Ground Water Survey Consultancy

Rho a
 N16 (SN)
 N64(LN)
 LAT
 Logging Details:
 Vaidyanath & Sons, Sonner
 Do. Bazar
 UP, INDIA
 21 May 2013
 16:45
 UGPRN: G-273 (A3)

logger: S'He
 IGIS/S/02/22-23

logger Model:
 DMR-L-2
 logger Overrid by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, INDIA

