

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT

Ref No:- 202

Date:- 07-05-2022

NAME OF SITE

Gram Panchayat- Sarai Sanwal

BLOCK- Sahaswan

DISTT- Badaun

NAME OF AGENCY

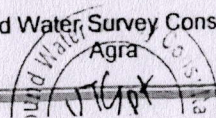
M/s PNC-SPML-JV  
Badaun



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- SARAI SANWAL, BLOCK- SAHASWAN  
DISTT.- BADAUN

UNDER  
JAL JIVAN MISSION

## Introduction :

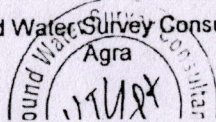
A Deep bore hole was drilled 122 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 07.May.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:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry sand	
3.	15 - 30	15	Clay	
4.	30 - 38	8	Sandy clay	
5.	38 - 45	7	Clay	
6.	45 - 50	5	Fine sand	Good
7.	50 - 65	15	Clay kankar	
8.	65 - 77*	12	Medium sand	Good
9.	77 - 82	5	Clay kankar	
10.	82 - 90*	8	Medium sand	Good
11.	90 - 99	9	Clay kankar	
12.	99 - 110*	11	Medium sand	Good
13.	110 - 116	6	Clay kankar	
14.	116 - 120	4	Medium sand	Good

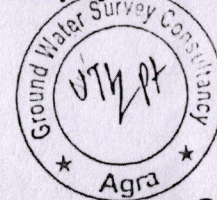
Ground Water Survey Consultancy



**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 tube well.
3. The Quality of water is expected Good.
4. Expected discharge is 700 to 800 L.P.M.
5. 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.
6. 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**

Rho a  
 N16 (SN)  
 N64(LN)  
 LAT

Logging VI Sarai  
 Samrat Block,  
 Sahaswan Distt  
 Eudaun  
 LOGGICUP  
 07 May 2022  
 10:54  
 Uttarakh Gupta (AG)

SP (mV)

