

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:- 25

Date:- 04-04-2022

**NAME OF SITE**

Gram Panchayat- Narau      BLOCK- Ujhani      DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**

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

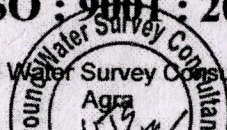
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

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**ISO : 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NARAU, BLOCK- UJHANI  
DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

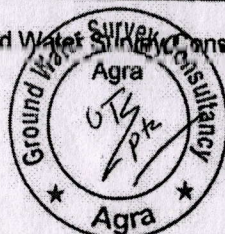
A Deep bore hole was drilled 111 mtrs. depth. and Logged depth 110 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 04.Apr.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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 - 40	10	Find to Medium	Medium
5.	40 - 45	5	Clay Kankar	
6.	45 - 54*	9	Medium Sand	Medium
7.	54 - 60	6	Clay Kankar	
8.	60 - 70*	10	Medium Sand	Medium
9.	70 - 77	7	Clay Kankar	
10.	77 - 85*	8	Find to Medium Sand	Medium
11.	85 - 97	12	Clay Kankar	
12.	97 - 105*	8	Find to Medium sand	Medium
13.	105 - 110	5	Clay Kankar	

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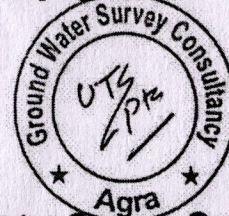


**Conclusions and Recommendations :-**

1. The Lithology broadly tallies with that of drill cutting starta 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.
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**



Logging Villanau  
Block Ujhani Distt  
Budauin  
LOGGINGUP  
04 April 2022  
13.34  
Utharsh Gupta (a.c)

Rho a  
N16 (SN)  
N64(LN)  
LAT

SP (m V)

