

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A- 1115

Date:- 18-07-2023

### NAME OF SITE

GRAM PANCHAYAT- Kuwwan Danda      BLOCK- Asafpur      DISTT- Badaun

### NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



## GROUND WATER SURVEY CONSULTANCY

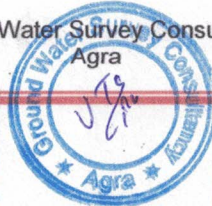
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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- KUWWAN DANDA, BLOCK- ASAFPUR, DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 100 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 18.July.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 - 11	6	Clay kankar	
3.	11 - 19	8	Dry sand	
4.	19 - 35	16	Clay kankar	
5.	35 - 49*	14	Medium sand	Medium
6.	49 - 51	2	Clay kankar	
7.	51 - 58*	7	Medium sand	Medium
8.	58 - 65	7	Clay kankar	
9.	65 - 76*	11	Medium sand	Medium
10.	76 - 95	19	Clay kankar	
11.	95 - 98*	3	Medium sand	Medium
12.	98 - 100	2	Clay kankar	

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**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.
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**

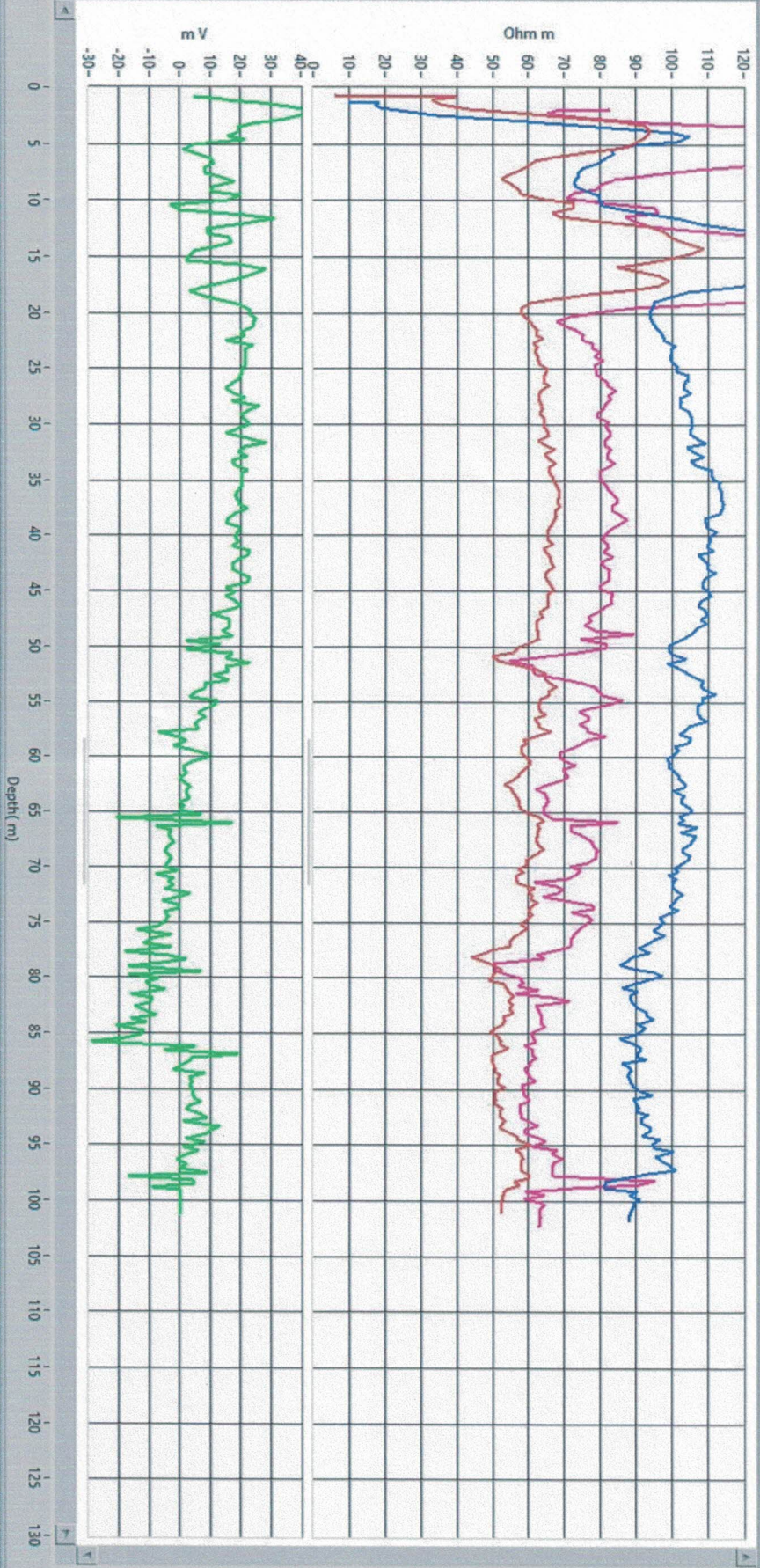
Rho a  
 N 16(SN)  
 N 64 (LN)  
 LAT

Location: Logging V Kowman  
 Danda Bock- Astar  
 Distt. Badaun  
 Log No.: UP/LOGEN/04  
 Date: 18 Jul 2023  
 Time: 13:00  
 Operator: Unnays Gupta (S)  
 Well Depth:

Logger S No.:  
 GIS/S/02/22-23

Logger Model: SP  
 DMPL-2  
 Logger Owned by:

GROUND WATER SURVEY CONSULTANCY AGRA, UP, INDIA



# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B- 1371

Date:- 27-07-2023

### NAME OF SITE

GRAM PANCHAYAT- Kuwwan Danda

BLOCK-Asafpur

DISTT- Badaun

### NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



## GROUND WATER SURVEY CONSULTANCY

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

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KUWWAN DANDA, BLOCK- ASAFPUR, DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

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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 - 18	13	Dry sand	
3.	18 - 34	16	Clay kankar	
4.	34 - 60*	26	Medium sand	Medium
5.	60 - 63	3	Kankar	
6.	63 - 92*	29	Medium sand & kanakr	Medium
7.	92 - 95	3	Clay kankar	
8.	95 - 106*	11	Medium sand	Medium
9.	106 - 120	14	Clay kankar	
10.	120 - 128*	8	Fine to Medium sand	Medium
11.	128 - 130	2	Clay kankar	

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**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.
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**Geophysicist**



**Ground Water Survey Consultancy**

Rho a  
N16 (SN)  
N64(LN)  
LAT

Logging Details:  
Soc. Geomatics dan  
Soc. Geomatics dan  
UP COGEM/SP  
27 Jan 2023  
14.17  
Utara (kota (Asha))

Logger SI No:  
IGIS/S/01/21-22

SP (m V)

Logger Model:  
DMP-L-2

Logger Owned by:  
GROUND WATER  
SURVEY  
CONSULTANCY  
AGRA, UP, India

