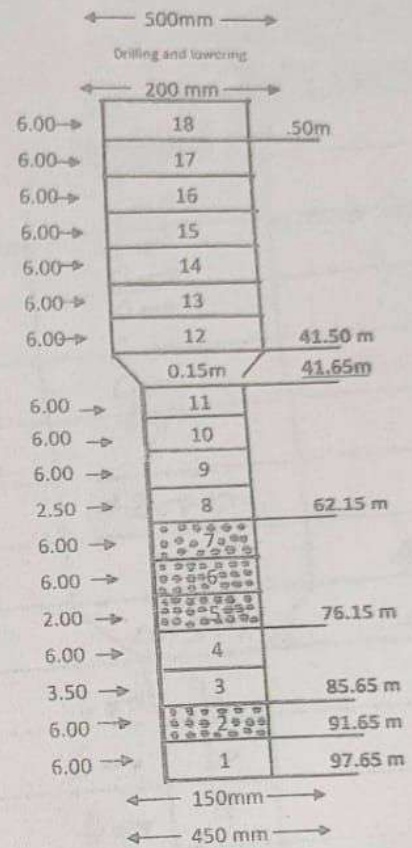


Jal Jeevan Mission  
 GP - Vangarh, Block - Salarpur, District - Badaun  
 AGENCY : M/S PNC SPML JV AGRA  
 Tubewell Assembly Chart

Discharge - 467 LPM

Date - 15/04/2023

| S.No. | In Meter          | STRATA          |
|-------|-------------------|-----------------|
| 1     | 60 Mtr. - 78 Mtr. | Medium Sand     |
| 2     | 83 Mtr. - 96 Mtr. | Fine & Med Sand |



|    |                       |          |
|----|-----------------------|----------|
| 1  | Reduce 200X150mm      | 0.15 m   |
| 2  | AGL                   | 0.5 m    |
| 3  | BGL                   | 97.65 m  |
| 4  | Total assembly lower  | 98.15 m  |
| 5  | 200mm Plain MS Pipe   | 42.00 m  |
| 6  | 150mm Plain MS Pipe   | 36.00 m  |
| 7  | 150mm slotted Pipe    | 20.00 m  |
| 8  | 500dia Drilling Depth | 0-50 m   |
| 9  | 450dia Drilling Depth | 50-110 m |
| 10 | Drilling Depth        | 110 m    |
| 11 | Drilling logged       | 110 m    |

M/S PNC INFRA TECH LTD.

M/s BLG Construction  
 Third Party Inspection

JE AE EE  
 (E&M) U P JAL NIGAM (RURAL) MORADABAD

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

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

Ref No:-B- 95

Date:- 15-04-2023

**NAME OF SITE**

GRAM PANCHAYAT- Vangarh

BLOCK- Salarpur

DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**

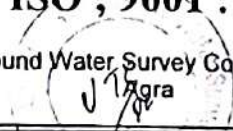
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- VANGARH, BLOCK- SALARPUR, DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 110 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 15.April.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 - 21         | 16           | Dry sand            |                        |
| 3.    | 21 - 25        | 4            | Fine sand           |                        |
| 4.    | 25 - 30        | 5            | Clay kankar         |                        |
| 5.    | 30 - 35        | 5            | Fine sand           | Medium                 |
| 6.    | 35 - 40        | 5            | Clay kankar         |                        |
| 7.    | 40 - 55        | 15           | Fine to Medium sand | Medium                 |
| 8.    | 55 - 60        | 5            | Clay kankar         |                        |
| 9.    | 60 - 78*       | 18           | Medium sand         | Medium                 |
| 10.   | 78 - 83        | 5            | Clay kankar         |                        |
| 11.   | 83 - 96*       | 13           | Fine to Medium sand | Medium                 |
| 12.   | 96 - 110       | 14           | Clay kankar         |                        |

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(16/04/2023)



**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**

Rno 3  
 N16 (SN)  
 NSQ(LN)  
 LAT

Logging Details:  
 V. No. 1000  
 25.000000000000000  
 27.000000000000000  
 15.000000000000000  
 19.000000000000000  
 19.000000000000000  
 19.000000000000000

log # 2: Hs  
 IGIS/S/01/21-22

SP (m V)  
 log # 1: Vozz  
 DMPL-2  
 log # 3: Corrected  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP India

