

Chandpur Nithaya G.P. wss Under IIM Programme  
Block - Islamnagar Distt - Budaun

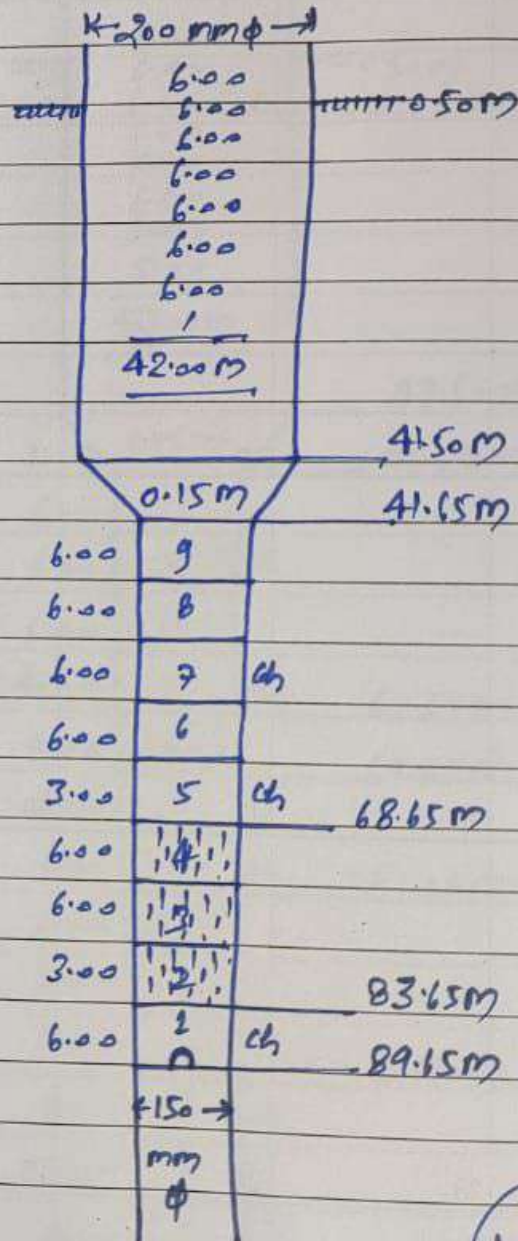
Dt - 22/12/2023

Discharge - 424 LPM  
36m Head 75 HP

D - 110m (50x450) mmφ (100+10)  
L - 100m (200x150) mmφ (42+40+18)

Strata As per Logges -  
67-85m - medium Sand  
106-110m - medium Sand

200 mmφ (H.P)	150 mmφ (L.P.F)	150 mmφ (S.P)
6.00	6.00	6.00
6.00	6.00	6.00
6.00	6.00	6.00
6.00	6.00	3.00
6.00	3.00	
6.00	6.00	15.00m
6.00	1	
<u>42.00m</u>	<u>33.00m</u>	



200 mmφ (H.P) = 42.00m  
150 mmφ (L.P.F) = 33.00m  
150 mmφ (S.P) = 15.00m  
(200x150) mmφ Red = 0.15m  
Total = 90.15m

A.B.L = 0.50m  
B.G.L = 89.65m  
Total = 90.15m

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-2410

Date:- 22-12-2023

### NAME OF SITE

Gram Panchayat- Chandpur Nithaya

BLOCK- Islamnagar

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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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy

Agra





# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHANDPUR NITHAYA, BLOCK- ISLAMNAGAR, 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 in the above bore hole using IGIS Well Logger on 22.Dec.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 - 12	7	Clay kankar	
3.	12 - 17	5	Dry sand	
4.	17 - 23	6	Clay kankar	
5.	23 - 53*	30	Medium sand	Medium
6.	53 - 58	5	Clay kankar	
7.	58 - 62	4	Fine sand	Medium
8.	62 - 67	5	Clay kankar	
9.	67 - 85*	18	Medium sand	Medium
10.	85 - 106	21	Clay kankar	
11.	106 - 110*	4	Medium sand	Medium

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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.

**Geologist**



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

Location: Logging @ Chandur  
 Nitya Sankar  
 Dist. Bhandra  
 Log No.: UP/LOG/2023/1348  
 Date: 22 Dec 2023  
 Time: 13:48  
 Observer: Urushil Gupta (AG)  
 Well Depth:

Logger S No: IGIS/S/04/21-22

Logger Model: SP  
 DMPL-2  
 Logger Owned by: GROUND WATER SURVEY CONSULTANCY - AGRA INDIA

