

Sahara Dhimmai G.P. WSS Under JJM Programme
Block-Jagat Dixit-Rudraun

DT - 12/01/2023

Discharge - 500 LPM
 42m Head 10 H.P

Strata As per Logges -

D - 120m (500x500) mmφ
 L - 110m (200x150) mmφ

50-88m - medium Sand
 103-112m - medium Sand

200mmφ (HP) 150mmφ (PP) 150mmφ (SP)

6.00	6.00	3.00
6.00	6.00	
6.00	6.00	6.00
6.00	6.00	6.00
6.00	6.00	6.00
6.00	6.00	2.00
6.00	6.00	
42.00m	5.00	23.00m

47.00m

200mmφ (H.P) = 42.00m

150mmφ (P.P) = 47.00m

150mmφ (S.P) = 23.00m

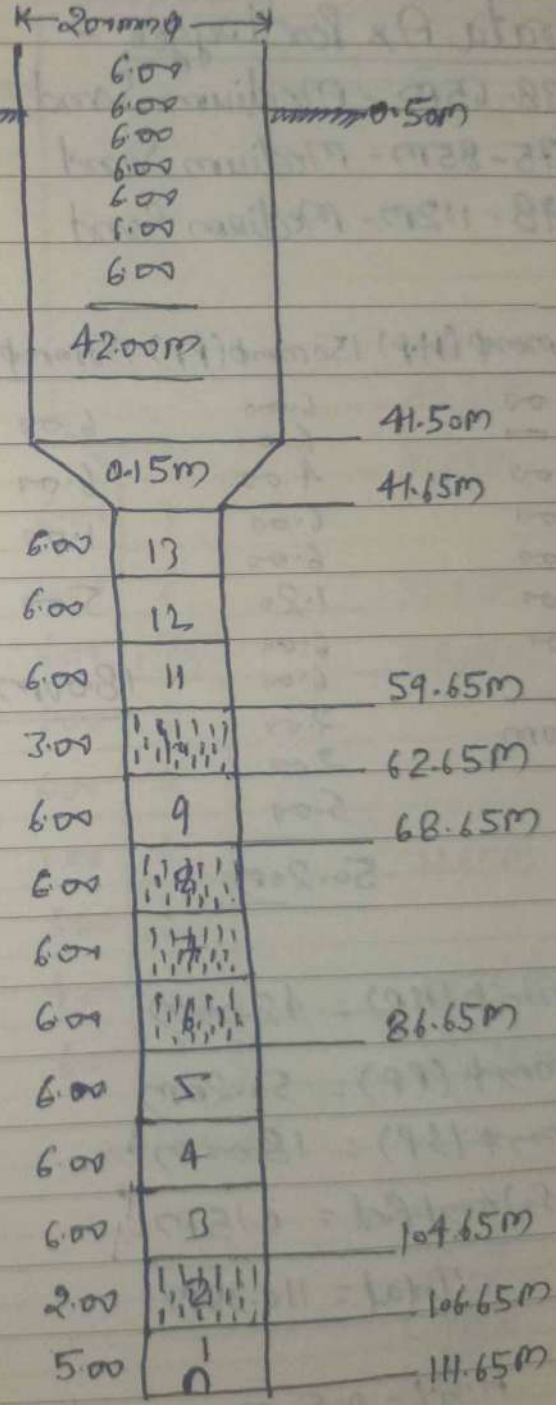
(200x150) mmφ Red = 0.15m

Total = 112.15m

A.G.L = 0.50m

B.G.L = 111.65m

Total = 112.15m



200mmφ

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 708

Date:- 11-01-2023

NAME OF SITE

Gram Panchayat- Sohra Dhemree

BLOCK- Jagat

DISTT- Budaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

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ISO ; 9001 : 2015

Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SOHRA DHEMREE, BLOCK- JAGAT, DISTT.- BUDAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 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 10.Jan.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 - 8	3	Clay kankar	
3.	8 - 14	6	Dry sand	
4.	14 - 20	6	Clay kankar	
5.	20 - 27	7	Medium sand	Medium
6.	27 - 32	5	Clay kankar	
7.	32 - 44	12	Medium sand	Medium
8.	44 - 50	6	Clay kankar	
9.	50 - 88*	38	Medium sand	Medium
10.	88 - 103	15	Clay kankar	
11.	103 - 112*	9	Medium sand	Medium
12.	112 - 120	8	Clay kankar	



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.



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