

Nai G.P. w/s Scheme Under JJM Programme
Block-Jagat Distt-Budaun

Dt-12/02/23

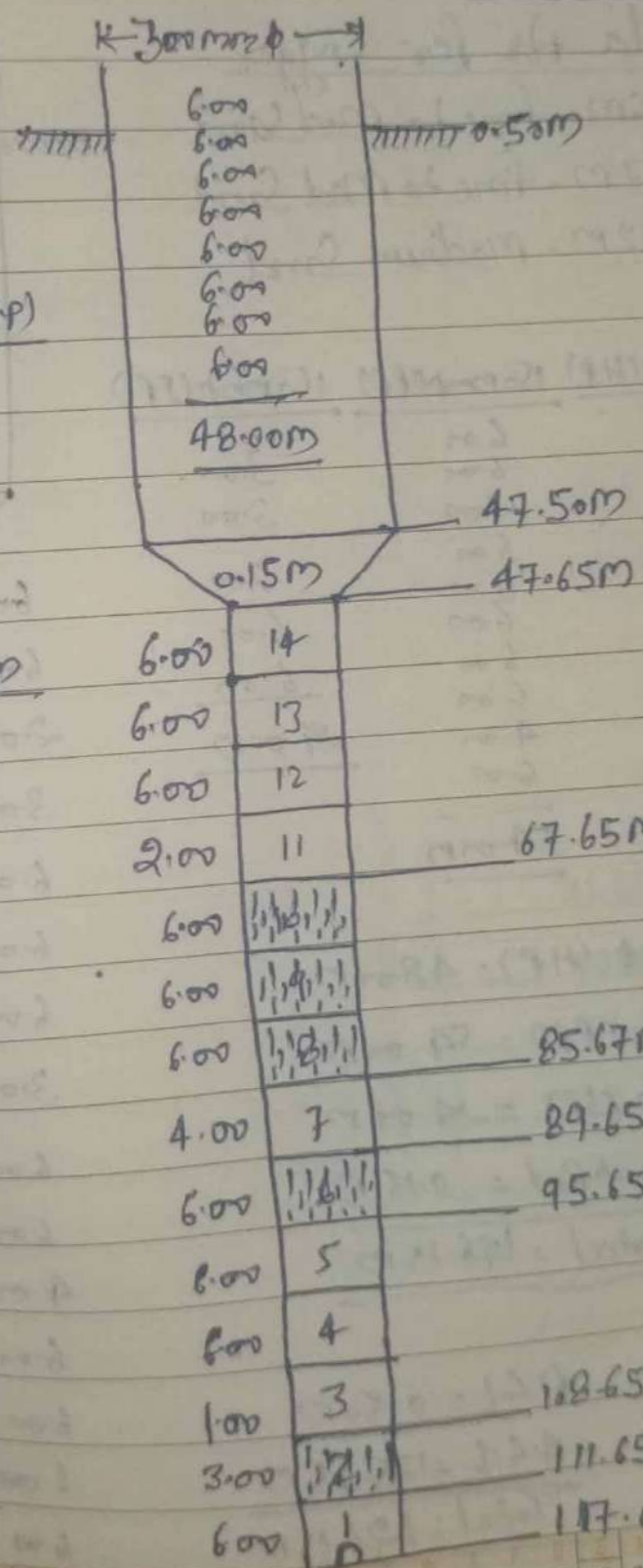
D-130m (600x450) mm ϕ

L-120m (300x150) mm ϕ

Discharge - 830 LPM

49m Head 17.5HP

Strata As Per Logger -
 65-98m - Medium Sand
 107-121m - Medium Sand



300mm ϕ (HP)	150mm ϕ (PP)	150mm ϕ (SP)
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	4.00	6.00
6.00	6.00	3.00
6.00	6.00	
6.00	1.00	27.00m
48.00m	6.00	
	43.00m	

300mm ϕ (HP) = 48.00m
 150mm ϕ (PP) = 43.00m
 150mm ϕ (SP) = 27.00m
 (300x150) mm ϕ Red = 0.15m
Total = 118.15m

ABL = 0.50m
 BBL = 17.65m
Total = 118.15m

6.00	14	
6.00	13	
6.00	12	
2.00	11	67.65m
6.00		
6.00		
6.00		85.67m
4.00	7	89.65m
6.00		95.65m
6.00	5	
6.00	4	
1.00	3	108.65m
3.00		111.65m
6.00	1	117.65m

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-N-1148

Date:- 11-02-2023

NAME OF SITE

Gram Panchayat- Nai

BLOCK- Jagat

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

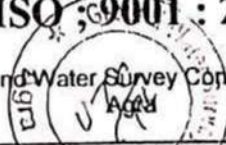
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NAI, BLOCK- JAGAT, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 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 conducted at above bore hole using IGIS Well Logger on 11.Feb.2023.

Logging Parameters - 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 - 22	17	Dry sand	
3.	22 - 28	6	Fine sand	
4.	28 - 31	3	Clay kankar	
5.	31 - 44	13	Medium sand	Medium
6.	44 - 48	4	Clay kankar	
7.	48 - 53*	5	Fine to Medium sand	Medium
8.	53 - 65	12	Clay kankar	
9.	65 - 98*	33	Medium sand	Medium
10.	98 - 107	9	Clay kankar	
11.	107 - 121*	14	Medium sand	Medium
12.	121 - 130	9	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.

Geophysicist



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