

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 307

Date:- 12-12-2022

NAME OF SITE

Gram Panchayat- Sateti Patti Choorā

BLOCK- Ambiapur

DISTT- Budaun

NAME OF AGENCY

M/s PNC-SPML-JV
Budaun



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- SATETI PATTI CHOORA, BLOCK- AMBIAPUR,
DISTT- BUDAUN

UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 127 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Budaun.

On the request of M/S PNC-SPML-JV, Budaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 12.Dec.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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 - 10	5	Clay kankar	
3.	10 - 18	8	Dry sand	
4.	18 - 28	10	Clay kankar	
5.	28 - 47	19	Medium sand	Med to Good
6.	47 - 63	16	Clay kankar	
7.	63 - 74*	11	Medium sand	Med to Good
8.	74 - 76	2	Clay kankar	
9.	76 - 91*	15	Medium sand	Med to Good
10.	91 - 98	7	Clay kankar	
11.	98 - 109*	11	Medium sand	Med to Good
12.	109 - 120	11	Clay kankar	
13.	120 - 127	7	Sandy Clay	

Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta 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 to Good.
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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