

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- 24

Date:- 04-04-2022

NAME OF SITE

Gram Panchayat- Singhapur Panai BLOCK- Banda DISTT- Shahjanhapur

NAME OF AGENCY

M/s NCC Ltd.
Shahjanhapur



GROUND WATER SURVEY CONSULTANCY

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

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SINGHAPUR PANAL, BLOCK- BANDA
DISTT- SHAHAJANHAPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahajanhapur.

On the request of M/S NCC Ltd., Shahajanhapur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 04.Apr.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 sand	
2.	5 - 20	15	Find Kankar	
3.	20 - 30	10	Clay Sand	
4.	30 - 45	15	Medium Sand	Good
5.	45 - 57	12	Clay Kankar	
6.	57 - 63*	6	Find to Medium Sand	Good
7.	63 - 67	14	Clay Kankar	
8.	67 - 79*	12	Medium Kankar	Good
9.	79 - 85	6	Chay Kankar	
10.	85 - 94*	9	Medium Sand	Good
11.	94 - 107	13	Clay Kankar	
12.	107 - 120*	13	Medium Sand	Good
13.	120 - 127	7	Clay Kankar	
14.	127 - 140*	13	Find to Medium Sand	Good

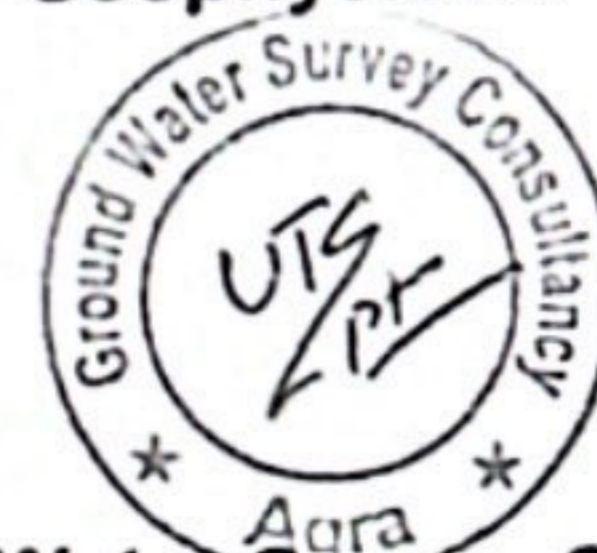
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Conclusions and Recommendations :-

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 Good.
4. Expected discharge is 900 to 1100 L.P.M.
5. 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.
6. 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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