

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A-2593

Date:- 09-02-2024

NAME OF SITE

Gram Panchayat- Jakti & Shamaspur Kunvarti BLOCK- Dahagawan DISTT- Badam

NAME OF AGENCY

M/s PNC-SPML-JV
Badam

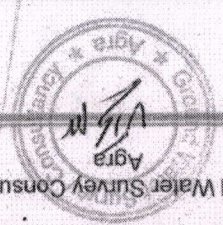


GROUND WATER SURVEY CONSULTANCY

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-JAKTI & SHAMASPUR KUNVARI, BLOCK- DAHAGAWAN,

DISTT- BADAUN

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 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 09.Feb.2024.

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 - 15	10	Clay kankar	
3.	15 - 34	19	Medium sand	
4.	34 - 44	10	Clay kankar	
5.	44 - 52*	8	Medium sand	Medium
6.	52 - 59	7	Clay kankar	
7.	59 - 68*	9	Medium sand	Medium
8.	68 - 79	11	Clay kankar	
9.	79 - 85*	6	Medium sand	Medium
10.	85 - 95	10	Clay kankar	
11.	95 - 118*	23	Medium sand & kankar	Medium
12.	118 - 135	17	Clay kankar	
13.	135 - 140	5	Sandy clay	

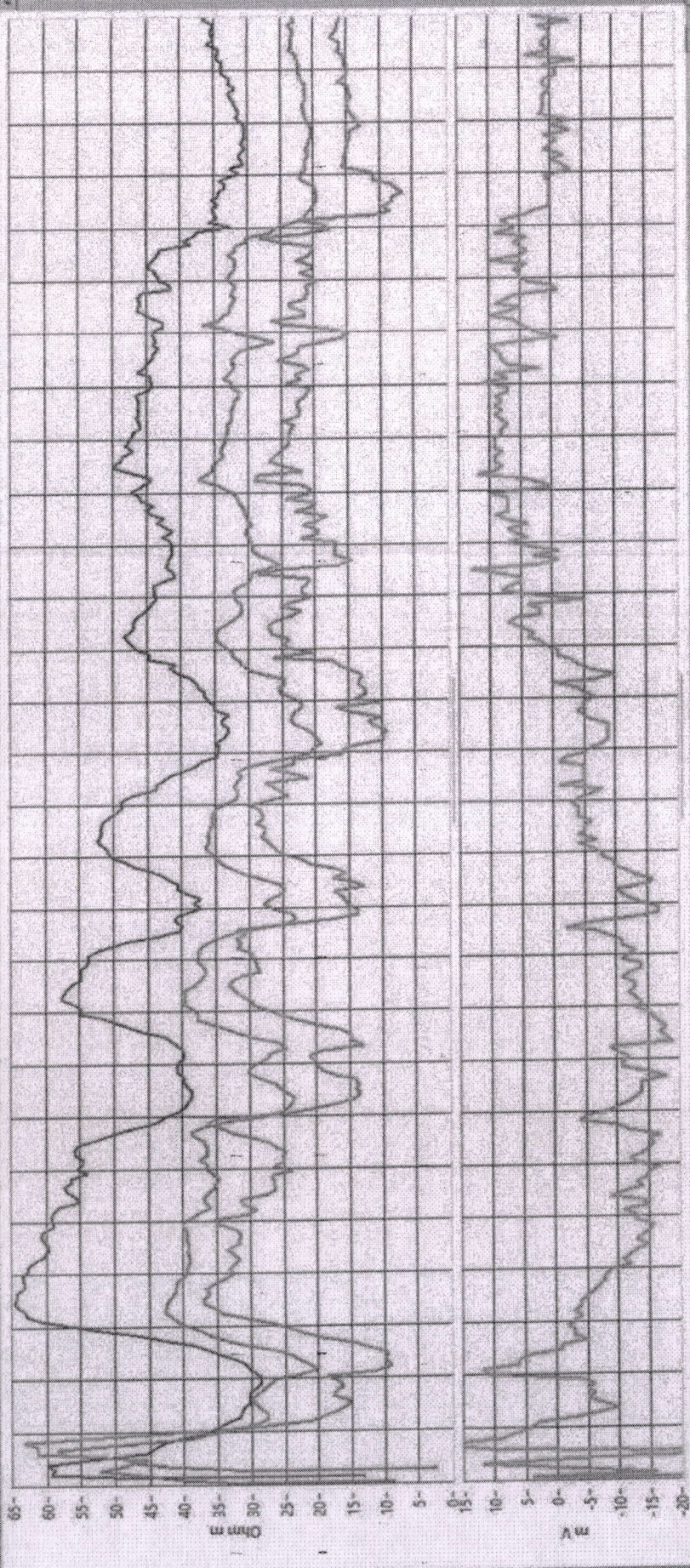


Conclusions and Recommendations :-

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.
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



Depth (m)

Rho a
 N 165(N)
 N 64(LM)
 LAT

Location:
 Spping 07 km &
 Changanur Kurat Block
 Bangalore Dist. Karnataka
 Spp No.
 JPL/COG/104/P
 Date: 30 Feb 2024
 Time: 5:25
 Operator:
 Station Name: 48
 Plot Date:

Project No:
 CIS/S/01/21-22

SP
 Logger Model:
 EMPL-2
 Logger Owned by:

GROUND WATER
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 #GRA, UP, India

