

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-A-543

Date:- 18-05-2023

NAME OF SITE

GRAM PANCHAYAT- Palrai

BLOCK- Jalalabad

DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



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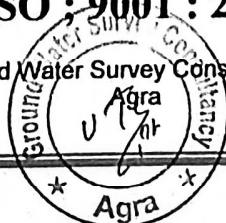
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO : 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PALRAI, BLOCK- JALALABAD,
DISTT- SHAHJAHANPUR
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 NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 18.May.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 - 10	5	Dry sand	
3.	10 - 16	6	Clay	
4.	16 - 22	6	Fine sand	Medium
5.	22 - 27	5	Clay kankar	
6.	27 - 37	10	Medium sand	Medium
7.	37 - 42	5	Clay kankar	
8.	42 - 74*	32	Medium sand	Medium
9.	74 - 82	8	Clay kankar	
10.	82 - 85	3	Fine sand	Medium
11.	85 - 91	6	Clay kankar	
12.	91 - 114*	23	Medium sand	Medium
13.	114 - 120	6	Clay kankar	

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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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Rho a
 N16 (SN)
 N64(L/N)
 LAT

Logging Details
 Logging V Fair/beck
 Jambhadas dtt
 42434-1000
 UH-00000000
 18 May 2023
 07:16
 station Purda (Arwad)

Logger S No: [IGIS/5/01/10-11]

SP (m V)
 Logger Model: DMPL-2
 Logger Owned by:
 GROUND WATER SURVEY CONSULTANCY - AGRA INDIA

