GROUND WATER SURVEY CONSULTANT

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B- 539

Date:- 19-05-2023

NAME OF SITE

GRAM PANCHAYAT- Rampuriya Nayaura
DISTT- Shahjahanpur

BLOCK- Madnapur

NAME OF AGENCY

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M/s NCC Ltd. Shahjahanpur



CROUND 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- RAMPURIYA NAYAURA, BLOCK- MADNAPUR,
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction:

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 106 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 19.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. 1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	The term about a considerable designation of the design of
3.	10 - 16	6	Clay kankar	er der skalende gilde stelle til de til litter der kollende der stelle i tretter i der en i tretter en en en e
4.	16 - 20	4	Fine sand	 Antigographic action of the property of the property of the control of the control
5.	20 - 26	6	Clay kankar	
6.	26 - 38	12	Fine to Medium sand	Medium
7.	38 - 45	7	Clay kankar	INCHE LA
8.	45 - 60*	15	Medium sand	Medium
9,	60 - 63	3 contract and the second contract of the sec	Kankar	
10.	63 - 85*	22	Medium sand & kankar	Medium
11.	85 - 90	5	Clay kankar	
12.	90 - 101*	1	Medium sand	Medium
13.	101 - 106	2	Clay kankar	

Conclusions and Recommendations :-

1. The l	_ithology	broadly	tallies	with t	hat o	f drill	cutting	strata chart	IJ
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- 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

Ground Water Survey Consultancy

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