## REPORT ON GEOPHYSICAL WELL LOGGING

# GRAM PANCHAYAT- HATHAURIA, BLOCK- BHAWALKHERA, DISTT- SHAHJAHANPUR UNDER JAL JIVAN MISSION

#### introduction:

A Deep bore hole was drilled 120 mtrs, depth, and Logged depth 118 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 20.Sep.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

SNA	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
E.	0-5	2	Surface soil	тунанда од
The state of the s	5 - 10	5	Kankar	en Production (Control of Control
3	10 - 18	8	Clay kankar	Committee of the commit
A CONTRACTOR OF THE PARTY OF TH	18 - 27	9	Fine to Medium sand	Med to Good
S.	27 - 32	S. Control of the con	Clay kankar	<ol> <li>Sept. Service Services and Control of the Control of</li></ol>
Charles and the control of the contr	32 - 41	9	Medium sand	Med to Good
No.	41 - 53	12	Clay kankar	SP NAZION AL MODELLE MONNES IN THE BASES STORES PROPERTY AND THE SPENNING IN THE
S. S	53 - 55	2	Sandy clay	and section in the property of the section of the s
G.	55 - 61	6	Clay kankar	Marine Part 2008 May 1990 A 1990 A 1990 A 1990
10	61 - 63	2	Fine sand	Med to Good
The state of the s	63 - 78	15	Clay kankar	an American Structure (Control Control and Proposition (Control and Control and Control and Control and Control
12	78 - 96*	18	Medium sand	Med to Good
13.	96 - 118	22	Clay kankar	er Strutter von Ber Jacoby i Stell von der de stellemente er Stelle zu auf Generalier, Verstein zu mit eines v



#### Conclusions and Recommendations :-

- The Lithology broadly tallies with that of drill cutting strata chart.
- 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.
- 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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			120-
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GRAM PANGHAYAT: Halaura Buzurg DISTT: Shalijahanpur BLOCK: Bhawalkhera

### NAME OF AGENCY

M/s NCG Ltd. Bhalifahanpur



## GROUND WATER SURVEY CONSULTANCY

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