GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL **ELECTOLOGGING REPORT**

Ref No:-B- 813

Date: - 06-06-2023

NAME OF SITE

GRAM PANCHAYAT- Paliya Patti BLOCK- Tilhar

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s. County Cities, property from that relatings are given in the telephony kildle

DISTT- Shahjahanpur

NAME OF AGENCY

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M/s NCC Ltd. Shahjahanpur



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations. 112 A-Shree Nagar Colony, Firozabad Road, Agra-282006 (M): 9412260823, 9794625420, 9761163000, Email: gwsc_agra@yahoo.com

Ground Water Survey Consultancy

REPORT ON GEOPHYSICAL WELL LOGGING

GRAM PANCHAYAT- PALIYA PATTI, BLOCK- TILHAR, DISTT- SHAHJAHANPUR UNDER JAL JIVAN MISSION

Introduction:

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 111 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

Therefore he had only believed in the processore

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 06.June.2023.

not all verys amemable to physical interpretations.

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 47 5 7 7 7 | | |
| 2. | 5 - 8 | 3 | Clay kankar | | | |
| 3. | 8 - 25 | 17 | Medium sand | Good | | |
| 4. | 25 - 30 | 5 | Clay kankar | | | |
| 5. | 30 - 47 | 17 | Medium sand | Good | | |
| 6. | 47 - 55 | 8 | Clay kankar | | | |
| 7. | 55 - 80* | 25 | Medium sand | Good | | |
| 8. | 80 - 88 | 8 | Kankar | THE PLANT OF THE PARTY. | | |
| 9. | 88 - 102* | 14 | Medium sand | Good | | |
| 10. | 102 - 111 | 9 | Clay kankar | | | |



Conclusions and Recommendations :-

- 1. 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.
- The Quality of water is expected 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.
- 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.



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