

Remarks

Water & Sanitation
NO RURAL WATER SUPPLY

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REPORT ON GEOPHYSICAL WELL LOGGING

AT

NO. 10/2019

GRAM PANCHAYAT- NABABGANI NAGARIYA, BLOCK- GANJDUNDWARA,
DISTT- KASGANJ

UNDER
JAL JIVAN MISSION

Introduction :

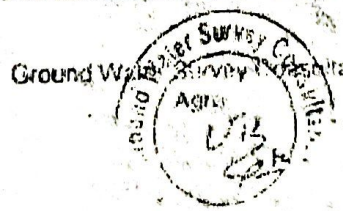
A Deep bore hole was drilled 120 mtrs depth and Logged depth 120 mtrs at above site. Was drilled by M/S PNC-SPML-JV, Kasganj

On the request of M/S PNC-SPML-JV, Kasganj a Geophysical well logging in the above bore hole using IGIS Well Logger on 21 Jan. 2023.

Logging Parameters - 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 -

Very low
Mud Resistivity = 69.41 Ohm-cm
Drilling Water Resistivity = 10.22 Ohm-cm
Approx Water Level = 4 Mtr.

| S.No. | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|-------|----------------|--------------|---------------------|------------------------|
| 1. | 0 - 5 | 5 | Surface soil | |
| 2. | 5 - 10 | 5 | Medium sand | |
| 3. | 10 - 21 | 11 | Clay kankar | |
| 4. | 21 - 32 | 10 | Medium sand | Medium |
| 5. | 32 - 44 | 12 | Clay kankar | |
| 6. | 44 - 51 | 7 | Fine to medium sand | Marginally Saline |
| 7. | 51 - 59 | 8 | Clay kankar | |
| 8. | 59 - 66 | 7 | Fine to medium sand | Marginally Saline |
| 9. | 66 - 72 | 6 | Clay kankar | |
| 10. | 72 - 82 | 10 | Fine to Medium sand | Saline |
| 11. | 82 - 91 | 9 | Clay kankar | |
| 12. | 91 - 100 | 9 | Fine to Medium sand | Saline |
| 13. | 100 - 120 | 20 | Clay kankar | |



- Logging performed as per SWEM guidelines
- Ground water quality inter-related by firm as per their loggers calibration
23/5/23