



GEOPHYSICAL DIGITAL LOGGING REPORT

| | | | |
|---------|---------------|------------------|-----------------------------|
| SITE: | BANDIPUR | DATE OF LOGGING: | 19.05.2023 |
| BLOCK: | HARAKH | DRILLING DEPTH: | 167.00 M |
| STATE: | UTTAR PRADESH | LOGGING DEPTH: | 166.98 M |
| ENGG: | ASHOK KUMAR | LOGGING COMPANY: | Mining Associates Pvt. Ltd. |
| Rm | 0.503 ohm/m | Rw | 0.464 ohm/m |
| DISTRIC | BARABANKI | | |

AQUIFER:-

The depth zones with high resistivity and relatively low Natural Gamma radioactivity values are referred as Aquifer Zones.

CLAY:-

The depth zones with less resistivity and relatively high Natural Gamma radioactivity values are referred as Clay zones.

NOTE:- These values are only indicative. The thin clay or sand layer does not reveal its actual resistivity value

| Sl. No. | Depth | | Thickness (m) | Inferred lithology | Remark(Quality of Aquifer Water) |
|---------|----------|--------|---------------|-----------------------------|-----------------------------------|
| | From (m) | To (m) | | | |
| 1 | 0 | 6 | 6 | Top Soil | |
| 2 | 6 | 10.5 | 4.5 | Medium grain sand | Good |
| 3 | 10.5 | 16.5 | 6 | Fine grain sand with kankar | Medium |
| 4 | 16.5 | 36.5 | 20 | Medium to fine grain sand | Good |
| 5 | 36.5 | 42 | 5.5 | Finesediment | |
| 6 | 42 | 46.5 | 4.5 | Fine grain sand | Medium |
| 7 | 46.5 | 67 | 20.5 | Clay with sand | |
| 8 | 67 | 76.5 | 9.5 | Medium to fine grain sand | Good |
| 9 | 76.5 | 100.5 | 24 | Clay with sand | |
| 10 | 100.5 | 104 | 3.5 | Fine grain sand | Medium |
| 11 | 104 | 132 | 28 | Clay with sand | |
| 12 | 132 | 136 | 4 | Fine grain sand | Deteriorated |
| 13 | 136 | 165 | 29 | Clay with sand | |

NOTE:-

1. ALL zones has intermixed with thin band of kankar
2. 132 mbgl to 136mbgl formation zone has deteriorated

For Mining Associates Pvt. Ltd.

Ashok Kumar
Geophysicist

cc;

1. Executive Engineer, C.D. (Rural), U.P. Jal Nigam, Ayodhya
2. M/S PNC Infratech Limited, Barabanki

Verified as per logs provided.

Note - Groundwater quality interpreted by firm as per their logger calibration

1
G.Sh
22/05/23