



MINING ASSOCIATES PVT. LTD.

GEOPHYSICAL DIGITAL LOGGING REPORT

| | | | |
|----------|---------------|------------------|-----------------------------|
| SITE: | BARAI BILASA | DATE OF LOGGING: | 15.09.2023 |
| BLOCK: | CHITTORA | DRILLING DEPTH: | 305.00 M |
| STATE: | UTTAR PRADESH | LOGGING DEPTH: | 293.00 M |
| ENGG: | B BHASKAR RAO | LOGGING COMPANY: | Mining Associates Pvt. Ltd. |
| Rm | 9.81 ohm.m | Rw | 15.11 ohm.m |
| DISTRICT | BAHRAICH | | |

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 | 10 | 10 | Top Soil | |
| 2 | 10 | 20 | 10 | Coarse grain sand | Good |
| 3 | 20 | 34 | 14 | Medium grain sand | Good |
| 4 | 34 | 44 | 10 | Clay | |
| 5 | 44 | 53 | 9 | Coarse to medium grain sand | Good |
| 6 | 53 | 60 | 7 | Sandy clay | |
| 7 | 60 | 88 | 28 | Medium grain sand | Good |
| 8 | 88 | 95 | 7 | Clay | |
| 9 | 95 | 125 | 30 | Medium grain sand | Good |
| 10 | 125 | 130 | 5 | Fine sediment | |
| 11 | 130 | 145 | 15 | Medium grain sand | Good |
| 12 | 145 | 202 | 57 | Coarse to medium grain sand | Good |
| 13 | 202 | 215 | 13 | Medium grain sand | Good |
| 14 | 215 | 226 | 11 | Clay with sand | |
| 15 | 226 | 232 | 6 | Sandy clay | |
| 16 | 232 | 250 | 18 | Medium grain sand | Good |
| 17 | 250 | 260 | 10 | Sandy clay | |
| 18 | 260 | 293 | 33 | Coarse to medium grain sand | Good |

For Mining Associates Pvt. Ltd

B. Bhaskar Rao
Geophysicist

CC;

1. Executive Engineer, C.D.(Rural), U.P. Jal Nigam, Gonda
2. M/S Vishwanath Projects Limited, Bahraich

