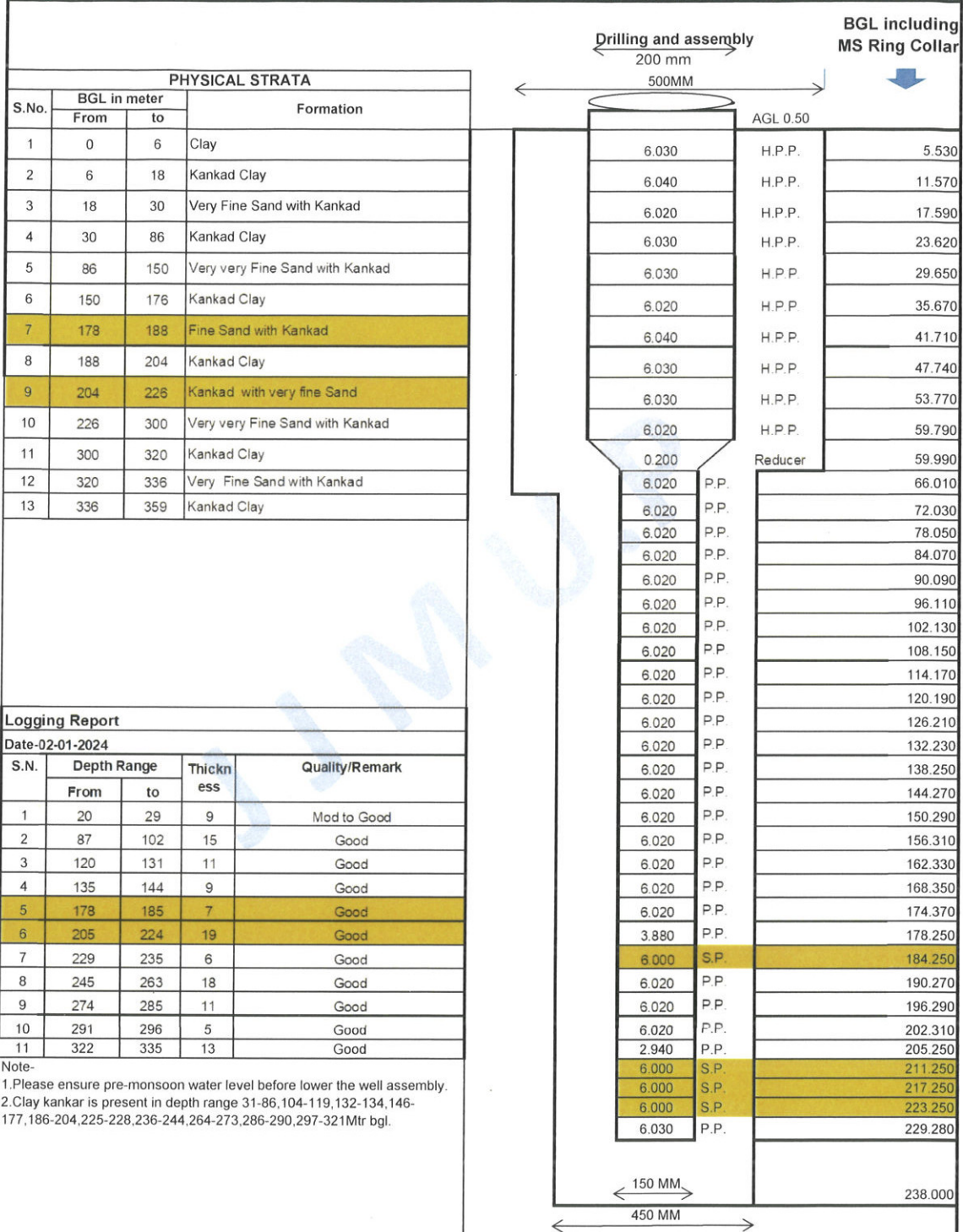


# M/S VSAIPPL-SMC JV, Ghazipur (U.P)

Actual Strata Chart of BARACHAWAR REORGANISATION WSS, BLOCK -VARACHAWAR, ZONE 7, GRAM PANCHAYAT - BAREZY & KHARA TW1 Under Jal Jeevan Mission, District- Ghazipur(U.P.)



| DETAILS |                           | AS PER DPR |      | ACTUAL     |      |
|---------|---------------------------|------------|------|------------|------|
| 1       | Proposed Discharge        | 395.000    | LPM  |            |      |
| 2       | Clear Depth of bore 600mm | 0          | Mbgl | 238.000    | Mbgl |
| 3       | Clear Depth of bore 500mm | 65         | Mbgl | 59.790 65  | Mbgl |
| 4       | Clear Depth of bore 450mm | 360        | Mbgl | 359.000    | Mbgl |
| 5       | Plane pipe 300MM          | 0          | m    | 0.000      | m    |
| 6       | Plane pipe 200MM          | 60         | m    | 60.290     | m    |
| 7       | Plane pipe 150MM          | 258        | m    | 145.290    | m    |
| 8       | Reducer 200 X 150 MM      | 0          |      | 0.200      | m    |
| 9       | Slotted pipe 300MM        | 0          | m    | 0.000      | m    |
| 10      | Slotted pipe 200MM        | 0          | m    | 0.000      | m    |
| 11      | Slotted pipe 150MM        | 12         | m    | 24.000     | m    |
| 12      | Date of lowering          |            |      | 15-01-2024 |      |

Company Repr.

M/S VSAIPPL-SMC JV, Ghazipur (U.P)

TPIA

Medhaj Techno Concept Pvt. Ltd., Ghazipur

(A. Srivastava)  
Junior Engineer

(Nitish Kumar)  
Assistant Engineer

(Adarsh Verma)  
Exe. Engineer

Division Office(E/M) , U.P. Jal Nigam(Rural), Varanasi

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BAREZY & KHERA, BLOCK- BARACHAWAR, DISTT- GHAZIPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 360 mtrs. depth. and Logged depth 359 mtrs. at above site. Was drilled by M/S VSA Infra Pvt. Ltd. Ghazipur.

On the request of M/S VSA Infra Pvt. Ltd. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 02.Jan.2024.

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:-

Mud Resistivity = 13.38 Ohms.

Drilling Water Resistivity = 13.42 Ohms.

Approx Water Level = 9 Mtr

| S.No. | Depth range(m) | Thickness(m) | Lithology                 | Expected Water Quality |
|-------|----------------|--------------|---------------------------|------------------------|
| 1.    | 20 - 29        | 9            | Fine sand                 | Mod to Good            |
| 2.    | 87 - 102       | 15           | Medium sand               | Good                   |
| 3.    | 120 - 131      | 11           | Medium sand               | Good                   |
| 4.    | 135 - 144      | 9            | Medium sand               | Good                   |
| 5.    | 178 - 185      | 7            | Fine to Medium sand       | Good                   |
| 6.    | 205 - 224      | 19           | Fine to Medium sand & kan | Good                   |
| 7.    | 229 - 235      | 6            | Fine to Medium sand       | Good                   |
| 8.    | 245 - 263      | 18           | Medium sand & kankar      | Good                   |
| 9.    | 274 - 285      | 11           | Medium sand               | Good                   |
| 10.   | 291 - 296      | 5            | Medium sand               | Good                   |
| 11.   | 322 - 335      | 13           | Medium sand               | Good                   |

Note :- 1. Please ensure pre-monsoon water level before lower the well assembly

2. Clay kankar is present in depth range 31-86, 104-119, 132-134, 146-177, 186-204, 225-228, 236-244, 264-273, 286-290, 297-321 Mtr bgl.

