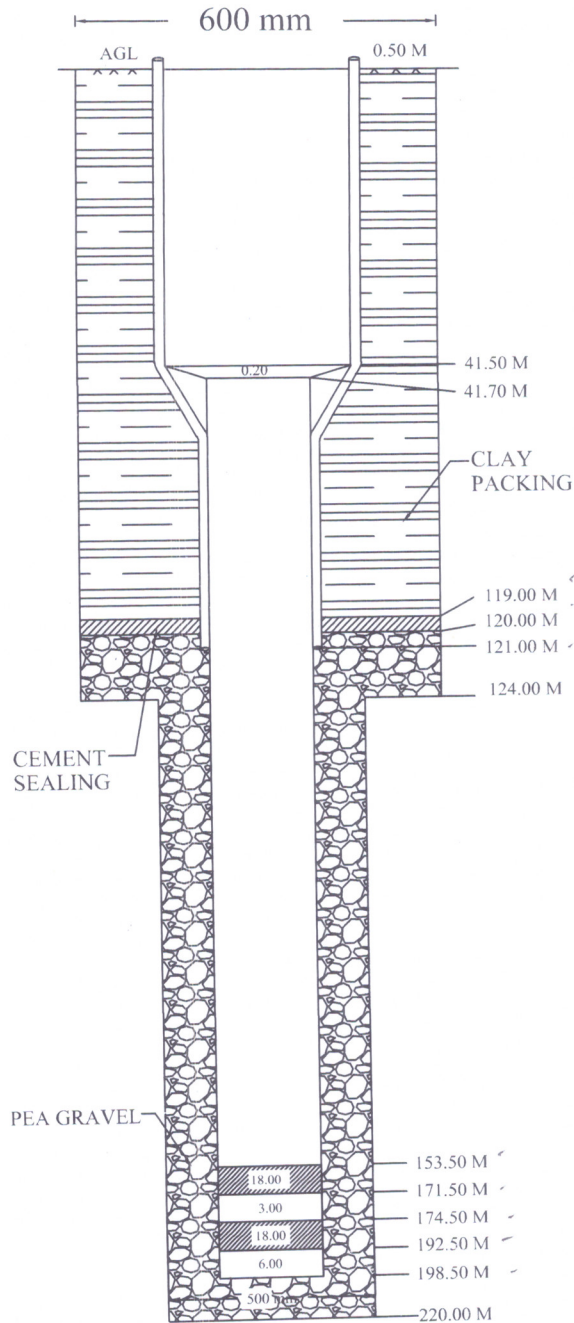


**ACTUAL T.W. ASSEMBLY CHART OF IMALIYAGANJ W/S SCHEME BAHRAICH  
UNDER JAL JEEVAN MISSION : (BLOCK - PAYAGPUR)**



Bore size - 600 mm X 500 mm  
T.W. Assy - 300 mm X 200 mm  
Discharge - 1250 LPM / 41 M  
Lowering date - 04-10-2023

Logging Report : ( 02-10-2023 )

| Sl. No. | Depth | Thickness | Inferred lithology        | Remarks (Quality of Aquifer Water) |
|---------|-------|-----------|---------------------------|------------------------------------|
| 1       | 0     | 10        | Top Soil                  |                                    |
| 2       | 10    | 7         | Medium grain sand         | Good                               |
| 3       | 17    | 12        | Clay with sand            |                                    |
| 4       | 29    | 8.5       | Medium grain sand         | Good                               |
| 5       | 37.5  | 8         | Clay with sand            |                                    |
| 6       | 41.5  | 8.5       | Coarse grain sand         | Good                               |
| 7       | 51    | 51        | Medium grain sand         |                                    |
| 8       | 102   | 8         | Clay with sand            | Good                               |
| 9       | 110   | 7.5       | Medium grain sand         |                                    |
| 10      | 117.5 | 4.5       | Clay                      |                                    |
| 11      | 122   | 8         | Medium to fine grain sand | Good                               |
| 12      | 126   | 10        | Clay with sand            |                                    |
| 13      | 136   | 8.5       | Medium to fine grain sand | Good                               |
| 14      | 144.5 | 8         | Fine sediment             |                                    |
| 15      | 148.5 | 7.5       | Medium grain sand         |                                    |
| 16      | 156   | 13.5      | Medium to fine grain sand |                                    |
| 17      | 169.5 | 20.5      | Coarse grain sand         | Good                               |
| 18      | 190   | 18.5      | Medium grain sand         |                                    |
| 19      | 208.5 | 5         | Fine grain sand           |                                    |
| 20      | 213.5 | 6.5       | Medium to fine grain sand |                                    |

**PIPE DETAIL**

HOUSHING PIPE = 42.00 M  
PLAIN PIPE = 120.80 M  
SLOT PIPE = 36.00 M

Total = 198.50 + 0.50 (AGL)  
= 199.00 M

PNC-SPML JV  
PNC Tower 3/22 - D

JUNIOR ENGINEER

ASSISTANT ENGINEER

EXECUTIVE ENGINEER



## MINING ASSOCIATES PVT. LTD.

### GEOPHYSICAL DIGITAL LOGGING REPORT

|         |               |                  |                             |
|---------|---------------|------------------|-----------------------------|
| SITE:   | IMALIYA GANJ  | DATE OF LOGGING: | 02.10.2023                  |
| BLOCK:  | PAYAGPUR      | DRILLING DEPTH:  | 225.00 M                    |
| STATE:  | UTTAR PRADESH | LOGGING DEPTH:   | 218.00M                     |
| ENGG:   | ASHOK KUMAR   | LOGGING COMPANY: | Mining Associates Pvt. Ltd. |
| Rm      | 9.6ohm.m      | Rw               | 11.4 ohm.m                  |
| DISTRIC | 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       | 17     | 7             | Medium grain sand         | Good                              |
| 3       | 17       | 29     | 12            | Clay with sand            |                                   |
| 4       | 29       | 37.5   | 8.5           | Medium grain sand         | Good                              |
| 5       | 37.5     | 41.5   | 4             | Clay with sand            |                                   |
| 6       | 41.5     | 51     | 9.5           | Coares grain sand         | Good                              |
| 7       | 51       | 102    | 51            | Medium grain sand         |                                   |
| 8       | 102      | 110    | 8             | Clay with sand            |                                   |
| 9       | 110      | 117.5  | 7.5           | Medium grain sand         | Good                              |
| 10      | 117.5    | 122    | 4.5           | Clay                      |                                   |
| 11      | 122      | 126    | 4             | Medium to fine grain sand | Good                              |
| 12      | 126      | 136    | 10            | Clay with sand            |                                   |
| 13      | 136      | 144.5  | 8.5           | Medium to fine grain sand | Good                              |
| 14      | 144.5    | 148.5  | 4             | Fine sediment             |                                   |
| 15      | 148.5    | 156    | 7.5           | Medium grain sand         | Good                              |
| 16      | 156      | 169.5  | 13.5          | Medium to fine grain sand |                                   |
| 17      | 169.5    | 190    | 20.5          | Coares grain sand         |                                   |
| 18      | 190      | 209.5  | 19.5          | Medium grain sand         |                                   |
| 19      | 209.5    | 214.5  | 5             | Fine grain sand           |                                   |
| 20      | 214.5    | 218    | 3.5           | Medium to fine grain sand |                                   |

NOTE:- 1. ALL zones have intermixed with thin band of kankar

For Mining Associates Pvt. Ltd.

*Ashok Kumar*  
Geophysicist

CC;

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



*San*  
*Su*