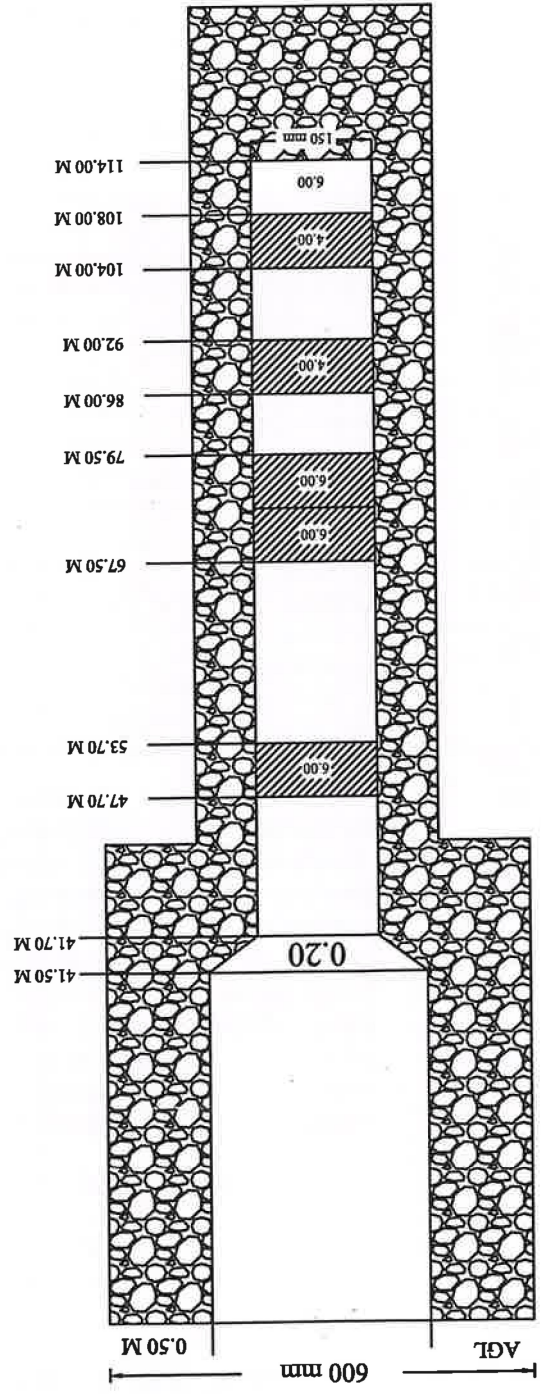


**PROPOSED T.W. ASSEMBLY CHART OF TKRA USMA W/S SCHEME  
BLOCK - HARAKH, DIST. - BARABANKI**

Discharge - 780 LPM  
 Assembly Size - 300 X 150 mm Ø  
 Bore - 600 X 450 mm Ø  
 Logging Date : (25-11-2023)  
 Lowering Date : (26-11-2023)

| Sl. No. | Depth range (m) | Thickness (meter) | Probable Lithology |
|---------|-----------------|-------------------|--------------------|
| 1       | 16.0 - 23.0     | 7.0               | Sand               |
| 2       | 23.0 - 30.0     | 7.0               | Sandy clay         |
| 3       | 30.0 - 40.0     | 10.0              | Sand               |
| 4       | 40.0 - 48.0     | 8.0               | Sandy clay         |
| 5       | 48.0 - 54.0     | 6.0               | Sand               |
| 6       | 54.0 - 67.0     | 13.0              | Clay with konkar   |
| 7       | 67.0 - 80.0     | 13.0              | Sand               |
| 8       | 80.0 - 86.0     | 6.0               | Sandy clay         |
| 9       | 86.0 - 92.0     | 6.0               | Sand               |
| 10      | 92.0 - 104.0    | 12.0              | Clayey sand        |
| 11      | 104.0 - 108.0   | 4.0               | Sand               |
| 12      | 108.0 - 110.0   | 2.0               | Clay with konkar   |
| 13      | 110.0 - 118.0   | 8.0               | Sandy clay         |
| 14      | 118.0 - 124.0   | 6.0               | Clay with konkar   |
| 15      | 124.0 - 128.0   | 4.0               | Sand               |
| 16      | 128.0 - 138.0   | 10.0              | Clay               |
| 17      | 138.0 - 142.0   | 4.0               | Sand               |
| 18      | 142.0 - 160.0   | 18.0              | Clayey sand        |

|                          |          |
|--------------------------|----------|
| 1. 300 mm Ø Plain Pipe   | 42.00 m  |
| 2. 150 mm Ø Plain Pipe   | 46.30 m  |
| 3. 150 mm Ø Slotted Pipe | 26.00 m  |
| 4. Reducer               | 0.20 m   |
| 5. Total Lowering        | 114.50 m |
| 6. A.G.L.                | 0.50 m   |
| 7. B.G.L.                | 114.00 m |



EXECUTIVE ENGINEER

*[Signature]*

ASSISTANT ENGINEER

*[Signature]*

JUNIOR ENGINEER -

*[Signature]*

PNC-SPMH, JV  
 PNC Tower 3/22\* D  
 CIVIL LINE  
 Agra  
 PNC  
 SPMI  
 BARABANKI  
 SPMI, JV

## Geophysical Borehole Logging Report

Name of the site : Tikra Usma, Block- Harakh

District : Barabanki

Date : 25.11.2023

Depth logged : 160.0 mbgl

Depth drilled : 165.0 mbgl

Logger use : Robertson make

Presence : Rep.of M/S PNC Infratech, Barabanki

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water.

| Sl. No. | Depth range (mbgl) | Thickness (meter) | Probable Lithology | Remarks  |
|---------|--------------------|-------------------|--------------------|----------|
| 1       | 16.0---23.0        | 7.0               | Sand               | Good     |
| 2       | 23.0---30.0        | 7.0               | Sandy clay         | -        |
| 3       | 30.0---40.0        | 10.0              | Sand               | Good     |
| 4       | 40.0---46.0        | 6.0               | Sandy clay         | -        |
| 5       | 46.0---54.0        | 8.0               | Sand               | Good     |
| 6       | 54.0---67.0        | 13.0              | Clay with kankar   | -        |
| 7       | 67.0---80.0        | 13.0              | Sand               | Good     |
| 8       | 80.0---86.0        | 6.0               | Sandy clay         | -        |
| 9       | 86.0---92.0        | 6.0               | Sand               | Good     |
| 10      | 92.0---104.0       | 12.0              | Clayey sand        | -        |
| 11      | 104.0---108.0      | 4.0               | Sand               | Good     |
| 12      | 108.0---110.0      | 2.0               | Clay with kankar   | -        |
| 13      | 110.0---118.0      | 8.0               | Sandy clay         | -        |
| 14      | 118.0---124.0      | 6.0               | Clay with kankar   | -        |
| 15      | 124.0---128.0      | 4.0               | Sand               | Marginal |
| 16      | 128.0---138.0      | 10.0              | Clay               | -        |
| 17      | 138.0---142.0      | 4.0               | sand               | Marginal |
| 18      | 142.0---160.0      | 18.0              | Clayey sand        | -        |

*[Handwritten Signature]*

for Aqua Xplore

CC:

M/S PNC Infratech, Barabanki