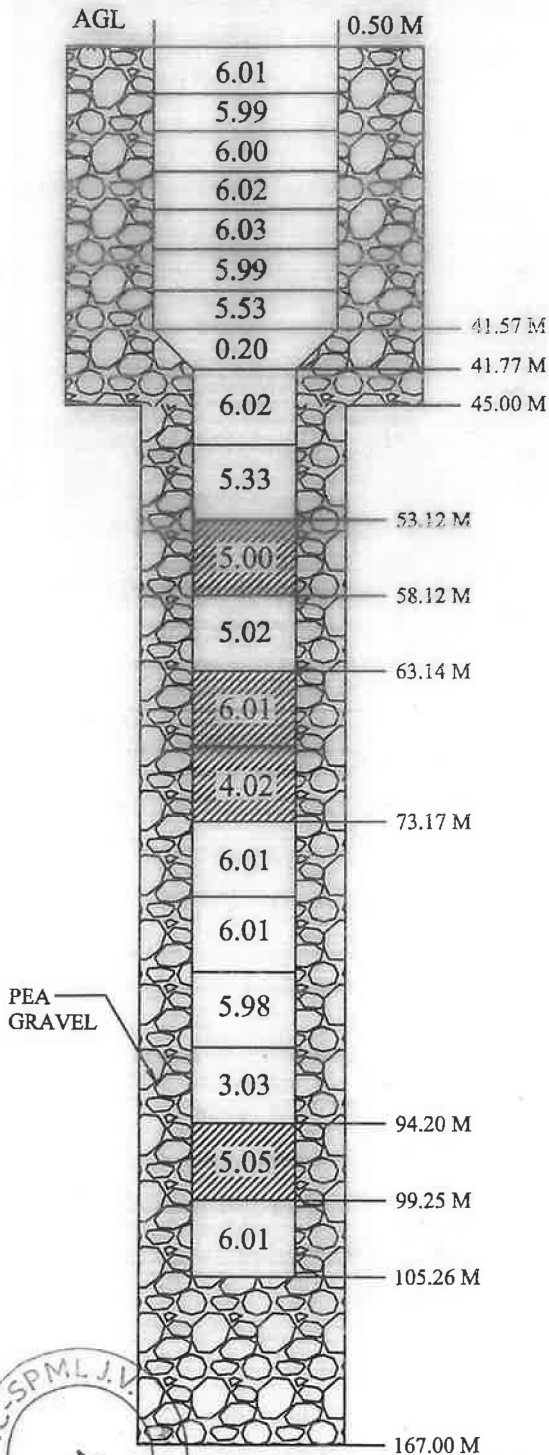




STRATA CHART & ACTUAL ASSEMBLY CHART OF TUBEWELL

NAME OF SCHEME : BARABANKI WSS
 NAME OF SITE : IBRAHEEMBAD
 NAME OF COMPANY : PNC-SPML JV

BLOCK : HARAHH
 DISTRICT : BARABANKI

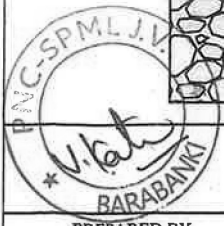


| | | |
|----|--------------------|--------------|
| 1. | BORE SIZE | 600 X 450 mm |
| 2. | ASSEMBLY SIZE | 300 X 150 mm |
| 3. | DRILLING DEPTH | 167 m |
| 4. | LOGGING DEPTH | 164.55 m |
| 5. | DATE OF LOGGING | 05-04-2023 |
| 6. | DATE OF LOWERING | 10-04-2023 |
| 7. | REQUIRED DISCHARGE | 950 LPM |

LOGGING REPORT

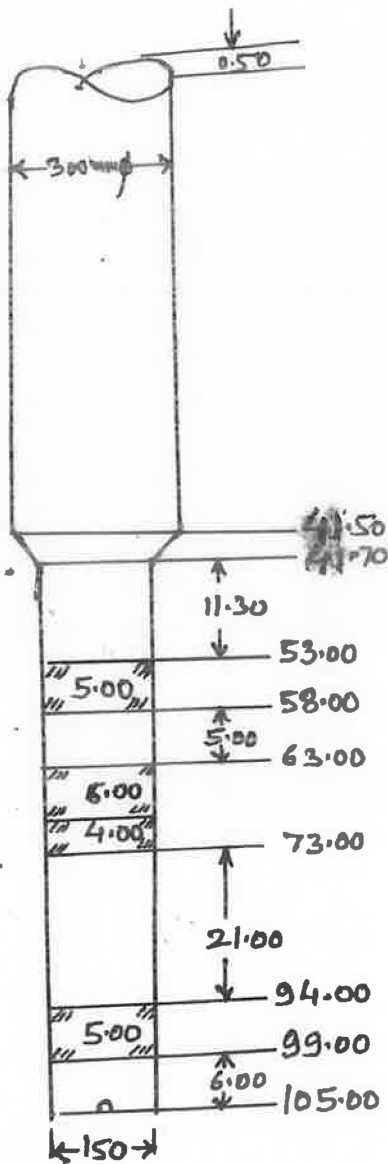
| S. NO | DEPTH RANGE (MBGL) | THICKNESS (MTR) | QUALITY OF F.M |
|-------|--------------------|-----------------|----------------|
| 1. | 18.5-25 | 6.5 | GOOD |
| 2. | 25-36.5 | 11.5 | GOOD |
| 3. | 40-43 | 3 | GOOD |
| 4. | 58-73 | 15 | GOOD |
| 5. | 94-99 | 5 | GOOD |

| S. NO | DESCRIPTION | REMARKS |
|-------|---------------------------|---------|
| 1. | TOTAL 200 mm PLAIN PIPE | 42.07 |
| 2. | TOTAL 150 mm PLAIN PIPE | 43.61 |
| 3. | TOTAL 150 mm SLOTTED PIPE | 20.08 |
| 4. | REDUCER 300 X 150 mm | 0.20 |
| 5. | TOTAL ASSEMBLY LOWER | 105.76 |
| 6. | AGL | 0.50 |
| 7. | BGL | 105.26 |



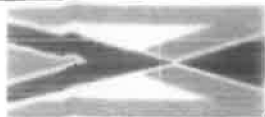
| | | | |
|----------------------------|-----------------------------------|--|---------------------------------------|
| PREPARED BY PNC-SPML JV | CHECKED BY JUNIOR ENGINEER | RECOMMENDED BY ASSISTANT ENGINEER | APPROVED BY EXECUTIVE ENGINEER |
|----------------------------|-----------------------------------|--|---------------------------------------|

Proposed Tw Assembly chart of I Braheembad w/s scheme block Haraki Dist-Ba



- 1- Discharge- 950 LF
- 2- Motor HP 20 HP
- 3- Assembly size 300x1
- 4- Bore ϕ 600 x4
- 5- Logging Report T-5-

- 1- 0 - 7 = 7 Top
- 2- 7 - 15 = 8 Sand
- 3- 15 - 18.5 = 3.5 Fine
- 4- 18.5 - 25 = 6.5 Medium
- 5- 25 - 36.5 = 11.5 Medium
- 6- 36.5 - 40 = 3.5 Fine
- 7- 40 - 43 = 3 Medium
- 8- 43 - 53 = 10 Clay
- 9- 53 - 58 = 5 Fine
- 10- 63 - 73 = 10 Medium
- 11- 73 - 94 = 21 Clay
- 12- 94 - 99 = 5 Medium
- 13- 99 - 161 = 62 Clay



GEOPHYSICAL DIGITAL LOGGING REPORT

| | | | |
|---------|---------------|------------------|-----------------------------|
| SITE: | IBRAHEEMBAD | DATE OF LOGGING: | 05.04.2023 |
| BLOCK: | HARAKH | DRILLING DEPTH: | 167.00 M |
| STATE: | UTTAR PRADESH | LOGGING DEPTH: | 164.55M |
| ENGG: | ASHOK KUMAR | LOGGING COMPANY: | Mining Associates Pvt. Ltd. |
| Rm | 0.521ohm/m | Rw | 0.489ohm/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 | 7 | 7 | Top Soil | |
| 2 | 7 | 15 | 8 | Sandyclay | |
| 3 | 15 | 18.5 | 3.5 | Fine grain sand | Medium |
| 4 | 18.5 | 25 | 6.5 | Medium grain sand | Good |
| 5 | 25 | 36.5 | 11.5 | Medium to fine grain sand | Good |
| 6 | 36.5 | 40 | 3.5 | Fine sediment | |
| 7 | 40 | 43 | 3 | Medium to fine grain sand | Good |
| 8 | 43 | 53 | 10 | Clay with sand | |
| 9 | 53 | 58 | 5 | Fine grain sand | Medium |
| 10 | 58 | 73 | 15 | Medium to fine grain sand | Good |
| 11 | 73 | 94 | 21 | Clay with sand | |
| 12 | 94 | 99 | 5 | Medium to fine grain sand | Good |
| 13 | 99 | 161 | 62 | Clay with sand | |

NOTE:-

~~1~~ All zones has intermixed with thin band of kankar

Verified as per logs provided. 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

Note. SrNo 10-63-73
(10m)

- Groundwater quality interpreted by fern as per their logger calibration

G.Sh