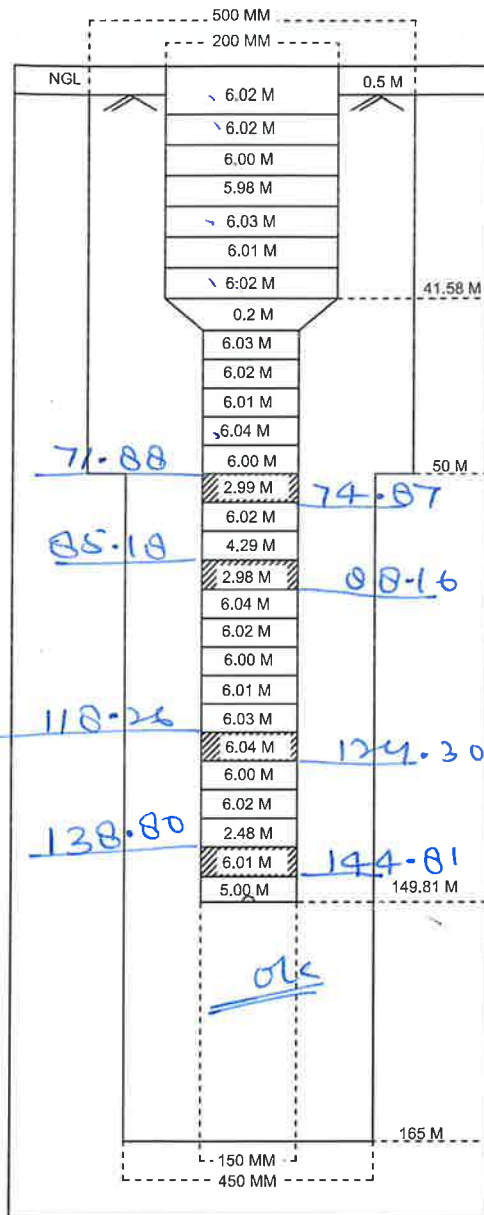


# STRATA CHART & ACTUAL ASSEMBLY CHART OF TUBEWELL

NAME OF SCHEME BARABANKI WSS  
NAME OF SITE SESPUR  
NAME OF COMPANY M/S SHIV DRILLERS

BLOCK  
DISTRICT

DEWA  
BARABANKI



|                  |            |
|------------------|------------|
| DATE OF LOGGING: | 08.01.2023 |
| DRILLING DEPTH:  | 165.00 M   |
| LOGGING DEPTH:   | 165.8      |
| ASSEMBLY         | 200*150    |
| BORE             | 500*450    |
| DISCHARGE        | 370 LPM    |

| STRATA  |          |        |                           |
|---------|----------|--------|---------------------------|
| Sl. No. | Depth    |        | REMARKS                   |
|         | From (m) | To (m) |                           |
| 1       | 0        | 10     | Top Soil                  |
| 2       | 10       | 12     | Medium grain sand         |
| 3       | 12       | 20     | FINE GRAIN SAND           |
| 4       | 20       | 24.5   | Medium grain sand         |
| 5       | 24.5     | 29.5   | FINE GRAIN SAND           |
| 6       | 29.5     | 40     | Clay with sand            |
| 7       | 40       | 55.5   | FINE GRAIN SAND           |
| 8       | 55.5     | 66.5   | Clay with sand            |
| 9       | 66.5     | 75.5   | MEDIUM TO FINE GRAIN SAND |
| 10      | 75.5     | 84.5   | Clay with sand            |
| 11      | 84.5     | 99     | Medium grain sand         |
| 12      | 99       | 109.5  | Clay with sand            |
| 13      | 109.5    | 116    | MEDIUM TO FINE GRAIN SAND |
| 14      | 116      | 138    | Medium grain sand         |
| 15      | 138      | 145    | MEDIUM TO FINE GRAIN SAND |
| 16      | 145      | 152.5  | Fine sediment             |
| 17      | 152.5    | 164    | MEDIUM TO FINE GRAIN SAND |

| LOG REPORT |       |      |           |         |
|------------|-------|------|-----------|---------|
| SL. NO     | DEPTH |      | THICKNESS | REMARKS |
|            | FROM  | TO   |           |         |
| 2          | 10    | 12   | 2         | GOOD    |
| 4          | 20    | 24.5 | 4.5       | GOOD    |
| 9          | 66.5  | 75.5 | 9         | GOOD    |
| 11         | 84.5  | 99   | 14.5      | GOOD    |
| 13         | 109.5 | 116  | 6.5       | GOOD    |
| 14         | 116   | 138  | 22        | GOOD    |
| 15         | 138   | 145  | 7         | GOOD    |
| 17         | 152.5 | 164  | 11.5      | GOOD    |

| SL.NO | DESCRIPTION         | METER  | REMARKS |
|-------|---------------------|--------|---------|
| 1     | 200 MM PLAIN PIPE   | 42.08  |         |
| 2     | REDUCER             | 0.2    |         |
| 3     | 150 MM PLAIN PIPE   | 90.01  |         |
| 4     | 150 MM SLOTTED PIPE | 18.02  |         |
| 5     | B.G.L               | 149.81 |         |
| 6     | A.G.L               | 0.5    |         |
|       | TOTAL               | 150.31 |         |



*[Signature]*

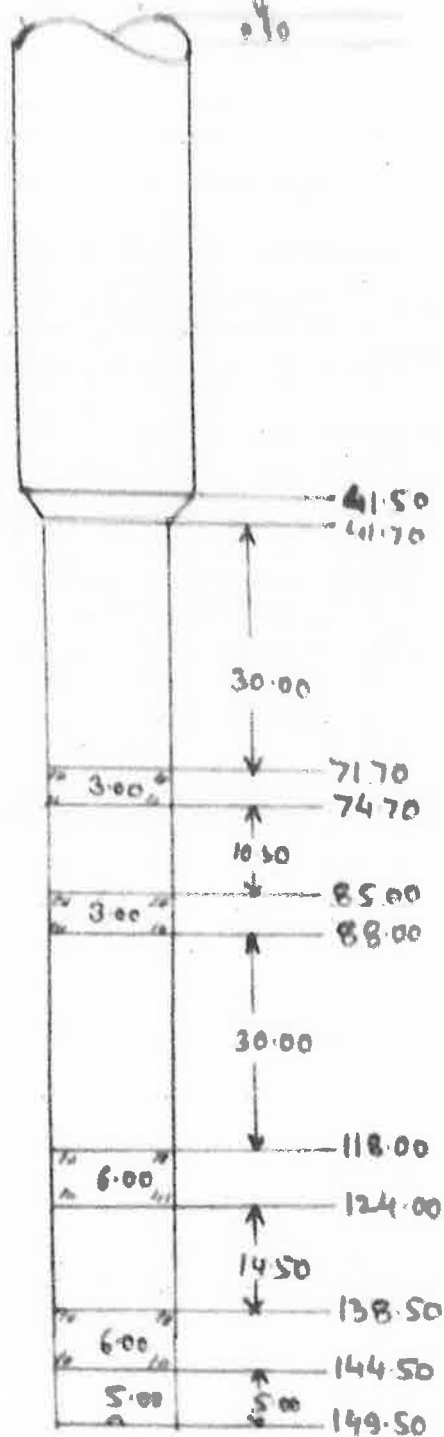
CHECKED BY  
JR. ENGINEER

*[Signature]*

RECOMMENDED BY  
ASST. ENGINEER

APPROVED BY  
EXECUTIVE ENGINEER

Proposed HW Assembly chart of test pit w/ scheme block - notes  
 with Barabank



Discharge = 370 LPM

Motor HP = 7.5 HP

Assembly size = 200 x 150 mm

Bores  $\phi$  = 500 x 450 mm

Logging Report of A-1-23

1. 0 - 10 = 10 Top soil

2. 10 - 12 = 2 Medium grain sand

3. 12 - 20 = 8 Fine grain sand

4. 20 - 24.5 = 4.5 Medium grain

5. 24.5 - 29.5 = 5 Fine grain sand

6. 29.5 - 40 = 10.5 Clay with sand

7. 40 - 55.5 = 15.5 Fine grainish

8. 55.5 - 66.5 = 11 Clay with sand

3 - 9. 66.5 - 75.5 = 9 Medium to fine

10. 75.5 - 84.5 = 9 Clay with sand

3 - 11. 84.5 - 99 = 14.5 Medium grain

12. 99 - 109.5 = 10.5 Clay with sand

13. 109.5 - 116 = 6.5 Medium to fine

6 - 14. 116 - 138 = 22 Medium grain sand

6 - 15. 138 - 145 = 7 Medium to fine

16. 145 - 152.5 = 7.5 Fine sand

17. 152.5 - 164 = 11.5 Medium to fine

No 24 for No 9 - 68 - 75 = 7

No 17 - 153 - 160 = 7



## MINING ASSOCIATES PVT. LTD.

## GEOPHYSICAL DIGITAL LOGGING REPORT

|         |               |                  |                             |
|---------|---------------|------------------|-----------------------------|
| SITE:   | SESPUR        | DATE OF LOGGING: | 08.01.2023                  |
| BLOCK:  | DEWA          | DRILLING DEPTH:  | 165.00 M                    |
| STATE:  | UTTAR PRADESH | LOGGING DEPTH:   | 165.8 M                     |
| ENGG:   | ASHOK KUMAR   | LOGGING COMPANY: | Mining Associates Pvt. Ltd. |
| 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        | 10     | 10            | Top Soil                  |                                   |
| 2       | 10       | 12     | 2             | Medium grain sand         | Good                              |
| 3       | 12       | 20     | 8             | Fine grain sand           | Medium                            |
| 4       | 20       | 24.5   | 4.5           | Medium grain sand         | Good                              |
| 5       | 24.5     | 29.5   | 5             | Fine grain sand           | Medium                            |
| 6       | 29.5     | 40     | 10.5          | Clay with sand            |                                   |
| 7       | 40       | 55.5   | 15.5          | Fine grain sand           | Medium                            |
| 8       | 55.5     | 66.5   | 11            | Clay with sand            |                                   |
| 9       | 66.5     | 75.5   | 9             | Medium to fine grain sand | Good                              |
| 10      | 75.5     | 84.5   | 9             | Clay with sand            |                                   |
| 11      | 84.5     | 99     | 14.5          | Medium grain sand         | Good                              |
| 12      | 99       | 109.5  | 10.5          | Clay with sand            |                                   |
| 13      | 109.5    | 116    | 6.5           | Medium to fine grain sand | Good                              |
| 14      | 116      | 138    | 22            | Medium grain sand         | Good                              |
| 15      | 138      | 145    | 7             | Medium to fine grain sand | Good                              |
| 16      | 145      | 152.5  | 7.5           | Fine sediment             | Medium                            |
| 17      | 152.5    | 164    | 11.5          | Medium to fine grain sand | Good                              |

NOTE:-

1 ALL zones has intermixed with high band of kankar

For Mining Associates Pvt. Ltd.

Ashok Kumar  
Geophysicist

Verified as per  
logs provided.

Notes - SrNo 9-68-75  
(7m)  
- SrNo 17-153-160  
(7m)

- Groundwater quality  
interpreted by firm  
as per their logger  
calibration

AGH  
09/01/23