

# OFFICE OF THE EXECUTIVE ENGINEER DIVISIONAL OFFICE (E/M), U.P. JAL NIGAM, LUCKNOW

Lowered Assembly Plan-Deogaon BLOCK-Dalmau JJM-PKG-5 -(Lodhipur Utrawa -RO WSS)

District - Raebareli

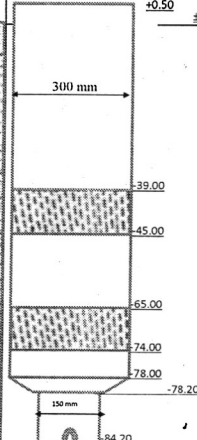
Type of Rig Machine- D. C RIG MACHINE

Size of Bore - 600 X 450mm,

Static W/L-

LPM-550

Contractor Name - M/S HUGEL INFRA PVT. LTD (GOURAV KR. GUPTA) RO WSS PROJECT RAEBARELI

| DEPTH OF BORE<br>IN M.B.G.L                                                      |        | DEPTH OF<br>STRATA IN<br>M.B.G.L. |                                                                                   | LOWERED ASSEMBLY        |                       | DETAILS OF ASSEMBLY |         |       |      |       |    |  |
|----------------------------------------------------------------------------------|--------|-----------------------------------|-----------------------------------------------------------------------------------|-------------------------|-----------------------|---------------------|---------|-------|------|-------|----|--|
|  | +0.00  | Surface Sand                      |  | Ø 300 mm dia Housing    | Plain pipe from(AGL)  | 0.00                | MAGL to | 0.50  | MAGL | 0.50  | M. |  |
|                                                                                  | -10.00 | Clay With Kanker                  |                                                                                   | Ø 300 mm dia Housing    | Plain pipe from (BGL) | 0.00                | MBGL to | 39.00 | MBGL | 39.00 | M. |  |
|                                                                                  | -36.00 | Fine Sand                         |                                                                                   | Ø 300 mm dia Housing    | Slotted pipe from     | 39.00               | MBGL to | 45.00 | MBGL | 6.00  | M. |  |
|                                                                                  | -45.00 | Clay With Kanker                  |                                                                                   | Ø 300 mm dia Housing    | Plain Pipe Frqm       | 45.00               | MBGL to | 65.00 | MBGL | 20.00 | M. |  |
|                                                                                  | -65.00 | Fine Sand                         |                                                                                   | Ø 300 mm dia Housing    | Slotted pipe from     | 65.00               | MBGL to | 74.00 | MBGL | 9.00  | M. |  |
|                                                                                  | -74.00 |                                   |                                                                                   | Ø 300 mm dia Housing    | Plain Pipe From       | 74.00               | MBGL to | 78.00 | MBGL | 4.00  | M. |  |
|                                                                                  |        |                                   |                                                                                   | Ø 300 X Ø 150 mm dia    | Reducer from          | 78.00               | MBGL to | 78.20 | MBGL | 0.20  | M. |  |
|                                                                                  |        |                                   |                                                                                   | Ø 150 mm dia Plain pipe | Plain Pipe From       | 78.20               | MBGL to | 84.20 | MBGL | 6.00  | M. |  |
|                                                                                  |        |                                   |                                                                                   |                         |                       |                     |         |       |      |       |    |  |
|                                                                                  |        |                                   |                                                                                   |                         |                       |                     |         |       |      |       |    |  |
| Total Assembly (AGL + BGL) -                                                     |        |                                   |                                                                                   |                         |                       | 84.70               | M.      |       |      |       |    |  |

## ABSTRACT

|                                            |            |
|--------------------------------------------|------------|
| 1. Drilling Started on Dated -             | 24.01.2024 |
| 2. Drilling Completed on Dated --          | 29-01-2024 |
| 3. Drilling Depth - 600 mm Dia             | 86.00 M    |
| 450 mm Dia                                 | 182.00 M   |
| Total-                                     | 268.00 M   |
| 4. Assembly lowered on Dated -- 31.01.2024 |            |
| 5. Assembly Lowered -                      |            |
| (A)Housing pipe 300 mm dia(AGL) -          | 0.50 M     |
| (B)Housing pipe(Plain)300 mm dia(BGL) -    | 63.00 M    |
| (C) Slotted pipe 300 mm dia -              | 15.00 M    |
| (D) Reducer (300 mmX 150 dia) -            | 0.20 M     |
| (E) Slotted pipe 150 mm dia -              | 0.00 M     |
| (F) Plain pipe 150 mm dia -                | 6.00 M     |
| Total assembly-                            | 84.70 M    |

7. Yield Test Date of T/w - N/A

8. Recommended Discharge- N/A

9. Pea-Gravel -33.77 CUM

10. MS Ring 300mm- 14 NOS

11. MS Ring 150mm- NOS

12. MS Ball Plug 150mm- 1 NOS

13. Reducer 300x150mm- 1 NOS.

14. MSSl Clamp 300mm -1 NOS

15.TW Assembly Support- 300mm -1 NOS

16.MS Well Cap-300mm-1NOS

17.Center Guide-150mm- NOS

LOGGING REPORT (Ground water Investigation Center)

REF: GIC/JJM/Raebareli/260

Depth Logged-268 mbgl

Date of Logging-26-01-2024

| Sl. | Depth Range<br>Mbgl | Thickness m. | Remarks |
|-----|---------------------|--------------|---------|
| 1   | 36-45               | 9            | Good    |
| 2   | 65-74               | 9            | Good    |
| 3   | 238-244             | 6            | Modrate |
| 4   | 247-260             | 13           | Modrate |

Remark : Formation water quality is deteriorating marginal to saline below 80 mbgl to 234 mbgl. Good Clay encountered 234 mbgl to 238 mbgl. Expected TDS of Modrated zones are 1200 - 1300.

Manager (G.W.)

Prepared & Proposed By

Checked By

Recommended By

Approved By

M/S HUGEL INFRA PVT. LTD ,  
PROJECT (RO WSS-Raebareli)

TPIA  
(CEINSYS)

Junior Engineer  
(UPJN)

Assistant Engineer  
(UPJN)

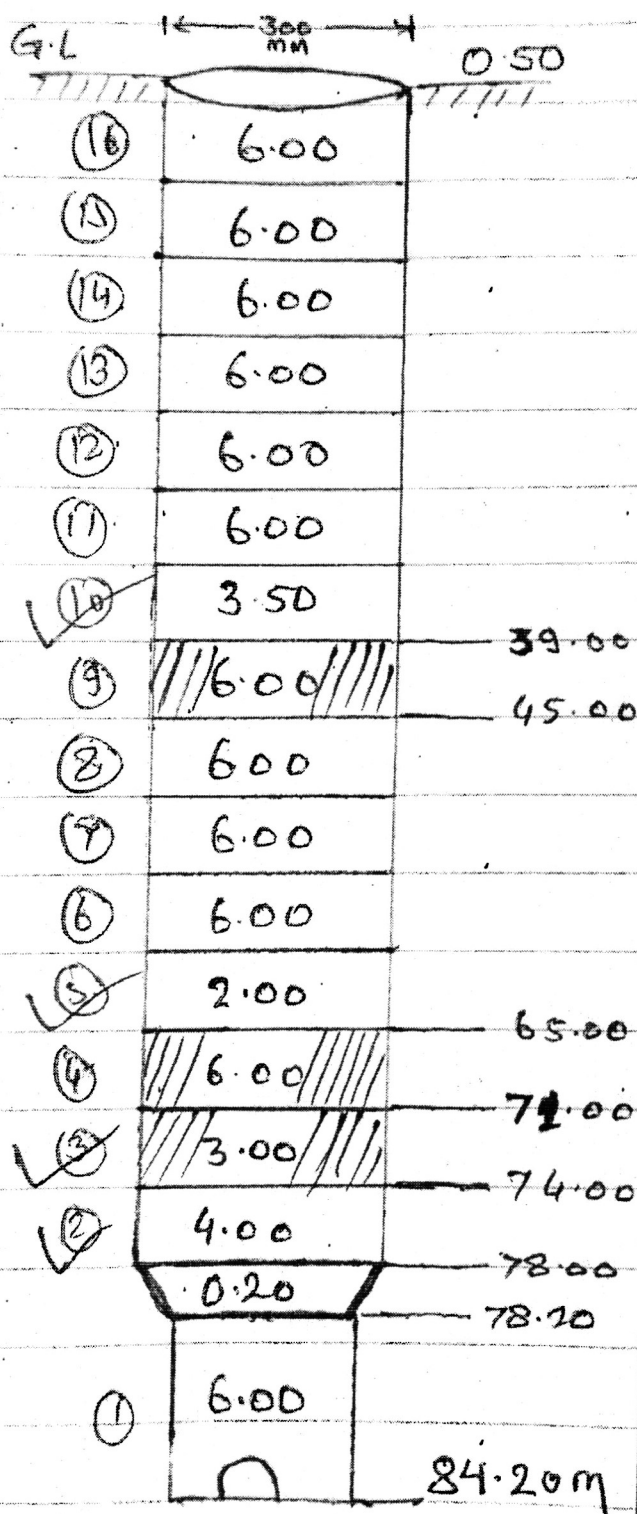
Executive Engineer  
(UPJN)

# Devgaon proposed Lowering chart

Dalmai

Discharge - 550 LPM

T/W size :- 300x150mm



## Logging Report

1)  $36 - 45 = 9$

2)  $65 - 74 = 9$

3)  $288 - 244 = 6$

4)  $247 - 260 = 13$

① 300 mm plain pipe = 63.50

② 300mm slotted pipe = 15.00

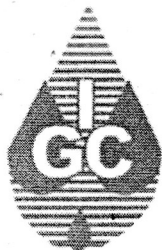
③ 150mm plain pipe = 6.00

④ 300x150mm Reducer = 0.20

= 84.70

AGL = 0.50

Lowered Assembly = 84.20 m



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

9/43, Sector-9, Jankipuram Extension, Lucknow - 226031

Mob: 9450659011, 8840756551, 9450364183

Email : [si.amaresh11@gmail.com](mailto:si.amaresh11@gmail.com), [gicaksingh@gmail.com](mailto:gicaksingh@gmail.com)

GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Raebareli/260

Date: 26.01.24

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village – Devgaon, Block – Dalmau  
District - Raebareli  
**Latitude** – 26.192569<sup>0</sup>, **Longitude** – 81.051486<sup>0</sup>

**Drilling Depth** : 275 mbgl as reported by Driller

**Logged Depth** : 268 mbgl

**Date of Logging** : 26.01.24

**Types of Log** : S.P. & Resistivity (Normal & Lateral)

**Logger Used** : Uptron

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

| Sl. No. | Depth Range (m, bgl) | Thickness (m) | Types of strata | R <sub>mf</sub> & R <sub>w</sub>                      |
|---------|----------------------|---------------|-----------------|-------------------------------------------------------|
| 1       | 36 – 45              | 9             | Good            | R <sub>mf</sub> = 13.8 Ωm<br>R <sub>w</sub> = 16.4 Ωm |
| 2       | 65 – 74              | 9             | Good            |                                                       |
| 3       | 238 – 244            | 6             | Moderate        |                                                       |
| 4       | 247 – 260            | 13            | Moderate        |                                                       |

**Remark** : Formation water quality is deteriorating marginal to saline below 80 mbgl to 234 mbgl. Good clay encountered in between 234 mbgl to 238 mbgl. Expected TDS of moderate zones are 1200 - 1300.

C C : Hugel Infra Private Limited..



(A.K. Singh)  
Geophysicist



**JAL JEEVAN MISSION  
UTTAR PRADESH JAL NIGAM  
GOVT. OF UTTAR PRADESH**

Project Name **JAL JEEVAN MISSION**  
Name of Implementing Agency **U.P. Jal Nigam (Rural), Raebareilly**  
Name of TPI Agency  
Name of Contractor **Hugel Infra put Ltd.**

**Request for Inspection (RFI)**

RFI No. **JJM/RBL/Scheme Name/ Hugel/Erection/0056** Date **- 24/01/2024**

**Inspection Requested for :-**

(Please ✓)

1. Survey & Investigation
2. Reinforcement & Form Work
3. Procure Item Inspection
4. Sampling
5. Pipe Line
6. Tube Well ✓
7. Boundary Wall
8. Staff Quarter
9. Pump House
10. Over Head Tank
11. Miscellaneous

Description of Work **- DC Drilling**  
Items of Work  
Work Description **- Inspection for Drilling**  
Checking for **- Inspection**  
Schedule / Programme **- From Date - 25/01/2024**

Scheme **- Deegun**  
PKA **- 05**

Requested by **- Krishna Rathod**  
Name & Signature **- [Signature]**  
Date / Time **- 24/01/2024 (05:02PM)**

Received by **- Pankaj**  
Name & Signature **- [Signature]**  
From TPIA/UPJN  
Date/Time

| S.No. | Item Description | Quantity | UOM | Inspection Category (Process/Final Stage) | Remarks |
|-------|------------------|----------|-----|-------------------------------------------|---------|
| 1     | DC Drilling      | 268      | M   | Completed.                                |         |
|       |                  |          |     |                                           |         |
|       |                  |          |     |                                           |         |
|       |                  |          |     |                                           |         |
|       |                  |          |     |                                           |         |
|       |                  |          |     |                                           |         |
|       |                  |          |     |                                           |         |
|       |                  |          |     |                                           |         |
|       |                  |          |     |                                           |         |
|       |                  |          |     |                                           |         |

Tick "3" to Indicate

- ☐ Approval for work/ Commencement of Work  
☐ Remedial work but no further approval required  
☐ Remedial work as below but Re-inspection as below & approval Required

Comments if any

Sign **- Pankaj Dwivedi**  
Name **Pankaj Dwivedi**  
Date **09-02-2024**  
TPI

Sign  
Name  
Date  
UPJN

Sign  
Name  
Date

**[Signature]**  
24/1/24



**JAL JEEVAN MISSION  
UTTAR PRADESH JAL NIGAM  
GOVT. OF UTTAR PRADESH**

Project Name : JAL JEEVAN MISSION  
Name of Implementing Agency : U.P. Jal Nigam (Rural), Raebareilly  
Name of TPI Agency :  
Name of Contractor : *Hugel Infra Pvt Ltd.*

**Request for Inspection (RFI)**

RFI No. : JJM/RBL/Scheme Name/ *Hugel / erection / UD 58* Date : - *26/01/2024*

**Inspection Requested for :-**

(Please ✓)

1. Survey & Investigation
2. Reinforcement & Form Work
3. Procure Item Inspection
4. Sampling
5. Pipe Line
6. Tube Well ✓
7. Boundary Wall
8. Staff Quarter
9. Pump House
10. Over Head Tank
11. Miscellaneous

Description of Work : - *Electro Logging.* Scheme :- *Deogaon.*  
Items of Work : -  
Work Description : - *Inspection for logging.* PKG :- *05*  
Checking for : - *Inspection.*  
Schedule / Programme : - *from Date :- 26/01/2024*

Requested by : - *Krishna Rathod*  
Name & Signature : - *[Signature]*  
Date / Time : - *26/01/2024 (10:25 AM)*

Received by : - *Pankaj*  
Name & Signature : -  
From TPIA/UPJN : -  
Date/Time : -

| S.No. | Item Description        | Quantity   | UOM      | Inspection Category<br>(Process/Final Stage) | Remarks |
|-------|-------------------------|------------|----------|----------------------------------------------|---------|
| 1)    | <i>Electro logging.</i> | <i>268</i> | <i>m</i> | <i>Completed</i>                             |         |
|       |                         |            |          |                                              |         |
|       |                         |            |          |                                              |         |
|       |                         |            |          |                                              |         |
|       |                         |            |          |                                              |         |
|       |                         |            |          |                                              |         |
|       |                         |            |          |                                              |         |
|       |                         |            |          |                                              |         |

Tick "3" to Indicate

- ☐ Approval for work/ Commencement of Work  
☐ Remedial work but no further approval required  
☐ Remedial work as below but Re-inspection as below & approval Required

Comments if any :

Sign : *Pankaj*  
Name : *Pankaj Dwivedi*  
Date : *09-02-2024*  
TPI :-

Sign :  
Name :  
Date :  
UPJN :-

Sign :  
Name :  
Date :  
Contractor :- *[Signature]*



**JAL JEEVAN MISSION  
UTTAR PRADESH JAL NIGAM  
GOVT. OF UTTAR PRADESH**

Project Name: JAL JEEVAN MISSION  
Name of Implementing Agency: U.P. Jal Nigam (Rural), Raebareli.  
Name of TPI Agency:  
Name of Contractor:

Hugel Infra Pvt Ltd

**Request for Inspection (RFI)**

RFI No.: JJM/RBL/Scheme Name/ Hugel / Erection / 0066 Date: 30/01/2024

**Inspection Requested for :-**

(Please ✓)

1. Survey & Investigation
2. Reinforcement & Form Work
3. Procure Item Inspection
4. Sampling
5. Pipe Line
6. Tube Well ✓
7. Boundary Wall
8. Staff Quarter
9. Pump House
10. Over Head Tank
11. Miscellaneous

Description of Work: lowering work  
Items of Work: Inspection for lowering  
Work Description: Inspection  
Checking for: From date:- 31/01/2024  
Schedule / Programme:

Scheme 8- Devyarn

PKG 8- 05

Requested by: Krishna Rathod (8329218818)  
Name & Signature: [Signature]  
Date / Time: 30/01/2024

Received by: [Signature]  
Name & Signature: [Signature]  
From TPIA/UPJN:  
Date/Time:

| S.No. | Item Description | Quantity | UOM | Inspection Category (Process/Final Stage) | Remarks |
|-------|------------------|----------|-----|-------------------------------------------|---------|
| 1.    | lowering work    | 84.20    | mtr | Completed                                 |         |
|       |                  |          |     |                                           |         |
|       |                  |          |     |                                           |         |
|       |                  |          |     |                                           |         |
|       |                  |          |     |                                           |         |
|       |                  |          |     |                                           |         |
|       |                  |          |     |                                           |         |
|       |                  |          |     |                                           |         |
|       |                  |          |     |                                           |         |
|       |                  |          |     |                                           |         |

Tick "3" to Indicate

Approval for work/ Commencement of Work

Remedial work but no further approval required

Remedial work as below but Re-inspection as below & approval Required

Comments if any: i) Welding work was not found as per specification.  
ii) Poor gravel was not stacked properly at site.

Sign: [Signature]  
Name: Pankaj Doivedi  
Date: 09-02-2024

Sign:  
Name:  
Date:  
Contractor: [Signature]

Sign:  
Name:  
Date:

TPI: [Signature]

UPJN: [Signature]

Contractor: [Signature]