

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

Lowered Assembly Plan-Pali, Block-Majhrajganj JJM-PKG-8 -(MON -RO WSS)

Type of Rig Machine- D. C RIG MACHINE

Size of Bore - 500 X 450mm,

Static W/L-

District -

Raebareli

LPM-450

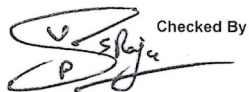
Contractor Name - M/S HUGEL INFRA PVT. LTD (GOURAV KR. GUPTA) RO WSS PROJECT RAEBARELI

| DEPTH OF BORE IN M.B.G.L                                                                                                                                                | DEPTH OF STRATA IN M.B.G.L.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LOWERED ASSEMBLY                      | DETAILS OF ASSEMBLY                    |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|----------------------|-----------------------|---------|---------|-------|--------|-------|------------------------|---------------------------|---------------------------|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|--|---------------------------|-----------------------------|---------------------------------------|---------------------------|----------------------------|--|----------------------------|----------------------------|----------------------------|
| 500mm                                                                                                                                                                   | +0.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 200 mm                                | +0.50                                  | Ø 200 mm dia Housing | Plain pipe from(AGL)  | 0.00    | MAGL to | 0.50  | MAGL   | 0.50  | M.                     |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
|                                                                                                                                                                         | -8.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                       | +0.00                                  | Ø 200 mm dia Housing | Plain pipe from (BGL) | 0.00    | MBGL to | 53.50 | MBGL   | 53.50 | M.                     |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
|                                                                                                                                                                         | -16.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                       | Ø 200 X Ø 150 mm dia                   | Reducer from         | 53.50                 | MBGL to | 53.70   | MBGL  | 0.20   | M.    |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
|                                                                                                                                                                         | -20.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                       | Ø 150 mm dia Housing                   | Plain pipe from      | 53.70                 | MBGL to | 71.70   | MBGL  | 18.00  | M.    |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
|                                                                                                                                                                         | -28.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                       | Ø 150 mm dia Housing                   | Plain pipe from      | 71.70                 | MBGL to | 76.50   | MBGL  | 4.80   | M.    |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
|                                                                                                                                                                         | -32.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                       | Ø 150 mm dia Housing                   | Slotted pipe from    | 76.50                 | MBGL to | 85.50   | MBGL  | 9.00   | M.    |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
|                                                                                                                                                                         | -36.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                       | Ø 150 mm dia Housing                   | Plain pipe from      | 85.50                 | MBGL to | 223.50  | MBGL  | 138.00 | M.    |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
|                                                                                                                                                                         | -40.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                       | Ø 150 mm dia Housing                   | Plain pipe from      | 223.50                | MBGL to | 228.50  | MBGL  | 5.00   | M.    |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
|                                                                                                                                                                         | -76.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                       | Ø 150 mm dia Housing                   | Slotted pipe from    | 228.50                | MBGL to | 240.50  | MBGL  | 12.00  | M.    |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
|                                                                                                                                                                         | -86.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                       | Ø 150 mm dia Housing                   | Plain pipe from      | 240.50                | MBGL to | 246.50  | MBGL  | 6.00   | M.    |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
|                                                                                                                                                                         | -228.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       | Total Assembly (AGL + BGL) - 247.00 M. |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
|                                                                                                                                                                         | -244.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                       | <b>ABSTRACT</b>                        |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
| -265.00                                                                                                                                                                 | <p>1. Drilling Started on Dated - 29.11.2023</p> <p>2. Drilling Completed on Dated -- 09.12.2023</p> <p>3. Drilling Depth - 500 mm Dia 60.00 M</p> <p style="padding-left: 40px;">450 mm Dia 205.00 M</p> <p style="padding-left: 40px;">Total- 265.00 M</p> <p>4. Assembly lowered on Dated -- 12-12-2023</p> <p>5. Assembly Lowered -</p> <p>(A) Housing pipe 200 mm dia(AGL) - 0.50 M</p> <p>(B) Housing pipe(Plain)200 mm dia(BGL) - 53.50 M</p> <p>(C) Slotted pipe 200 mm dia - 0.00 M</p> <p>(D) Reducer (200 mmX 150 dia) - 0.20 M</p> <p>(E) Slotted pipe 150 mm dia - 21.00 M</p> <p>(F) Plain pipe 150 mm dia - 171.80 M</p> <p>Total assembly- 247.00 M</p> <p>7. Yield Test Date of T/w - N/A</p> <p>8. Recommended Discharge - N/A</p> <p>9. Pea-Gravel - 43.13 CUM</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">10. MS Ring 300mm- NOS</td> <td style="width: 33%;">11. MS Ring 200mm- 8 NOS.</td> <td style="width: 33%;">12. MS Ring 150mm- 32 NOS</td> </tr> <tr> <td>12. MS Bail Plug 300mm- NOS</td> <td>13. MS Bail Plug 200mm- NOS.</td> <td>14. MS Bail Plug 150mm- 1 NOS</td> </tr> <tr> <td>15. Reducer 300mmx150mm- NOS</td> <td colspan="2">16. Reducer 200x150mm- 1 NOS.</td> </tr> <tr> <td>17. MSSI Clamp 300mm- NOS</td> <td>18. MSSI Clamp 200mm -1 NOS</td> <td>19. TW Assembly Support- 200mm -1 NOS</td> </tr> <tr> <td>20. MS Well Cap-300mm-NOS</td> <td>21. MS Well Cap-200mm-1NOS</td> <td></td> </tr> <tr> <td>22.Center Guide-300mm- NOS</td> <td>23.Center Guide-200mm- NOS</td> <td>24.Center Guide-150mm-8NOS</td> </tr> </table> |                                       |                                        |                      |                       |         |         |       |        |       | 10. MS Ring 300mm- NOS | 11. MS Ring 200mm- 8 NOS. | 12. MS Ring 150mm- 32 NOS | 12. MS Bail Plug 300mm- NOS | 13. MS Bail Plug 200mm- NOS. | 14. MS Bail Plug 150mm- 1 NOS | 15. Reducer 300mmx150mm- NOS | 16. Reducer 200x150mm- 1 NOS. |  | 17. MSSI Clamp 300mm- NOS | 18. MSSI Clamp 200mm -1 NOS | 19. TW Assembly Support- 200mm -1 NOS | 20. MS Well Cap-300mm-NOS | 21. MS Well Cap-200mm-1NOS |  | 22.Center Guide-300mm- NOS | 23.Center Guide-200mm- NOS | 24.Center Guide-150mm-8NOS |
| 10. MS Ring 300mm- NOS                                                                                                                                                  | 11. MS Ring 200mm- 8 NOS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 12. MS Ring 150mm- 32 NOS             |                                        |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
| 12. MS Bail Plug 300mm- NOS                                                                                                                                             | 13. MS Bail Plug 200mm- NOS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 14. MS Bail Plug 150mm- 1 NOS         |                                        |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
| 15. Reducer 300mmx150mm- NOS                                                                                                                                            | 16. Reducer 200x150mm- 1 NOS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                       |                                        |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
| 17. MSSI Clamp 300mm- NOS                                                                                                                                               | 18. MSSI Clamp 200mm -1 NOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 19. TW Assembly Support- 200mm -1 NOS |                                        |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
| 20. MS Well Cap-300mm-NOS                                                                                                                                               | 21. MS Well Cap-200mm-1NOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                       |                                        |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
| 22.Center Guide-300mm- NOS                                                                                                                                              | 23.Center Guide-200mm- NOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 24.Center Guide-150mm-8NOS            |                                        |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
| LOGGING REPORT (Aqua Xplore) REF: 1204-P/AX-2023,Dated-04.12.2023                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                                        |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
| Depth Logged-265m bgl                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                                        |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
| Date of Logging-04.12.2023                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                                        |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
| Sl.                                                                                                                                                                     | Depth Range Mbgl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Thickness m.                          | Remarks                                |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
| 1                                                                                                                                                                       | 16-20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4                                     | Good                                   |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
| 2                                                                                                                                                                       | 28-32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4                                     | Good                                   |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
| 3                                                                                                                                                                       | 36-40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4                                     | Good                                   |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
| 4                                                                                                                                                                       | 76-86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10                                    | Good                                   |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
| 5                                                                                                                                                                       | 228-244                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 16                                    | Good                                   |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |
| Note:-All Zones are Intermixed With Kankar. Quality of fromataion Water is deteriorating marginal to saline in between 90.0 to 222.0 mbgl and further below 250.0 mbgl. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |                                        |                      |                       |         |         |       |        |       |                        |                           |                           |                             |                              |                               |                              |                               |  |                           |                             |                                       |                           |                            |  |                            |                            |                            |

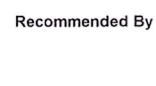
Manager (G.W.)

Prepared & Proposed By

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

Checked By  
  
TPIA  
(CEINSYS)

Junior Engineer  
(UPJN)

Recommended By  
  
Assistant Engineer  
(UPJN)

Approved By  
  
Executive Engineer  
(UPJN)