

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

Lowered Assembly Plan-SULAIPUR, BLOCK-CHHATOH UNDER JJM PHASE-II--(368/ 10)

Type of Rig Machine- D. C RIG MACHINE

Size of Bore - 500 X 450mm,

Static W/L-

District -

Raebareli

Contractor Name - M/S NCC SWSM PROJECT RAEBARELI

LPM-310

| DEPTH OF BORE IN M.B.G.L. | DEPTH OF STRATA IN M.B.G.L. | LOWERED ASSEMBLY | DETAILS OF ASSEMBLY     |                       |        |         |        |      |        |    |
|---------------------------|-----------------------------|------------------|-------------------------|-----------------------|--------|---------|--------|------|--------|----|
| 500mm                     | +0.00                       | +0.50            | Ø 200 mm dia Housing    | Plain pipe from(AGL)  | 0.00   | MAGL to | 0.50   | MAGL | 0.50   | M. |
|                           | -8.20                       | +0.00            | Ø 200 mm dia Housing    | Plain pipe from (BGL) | 0.00   | MBGL to | 55.00  | MBGL | 55.00  | M. |
|                           | -12.50                      | -55.00           | Ø 200 mm dia Housing    | Slotted pipe from     | 55.00  | MBGL to | 60.00  | MBGL | 5.00   | M. |
|                           | -17.20                      | -60.00           | Ø 200 mm dia Housing    | Plain pipe from       | 60.00  | MBGL to | 63.00  | MBGL | 3.00   | M. |
|                           | -22.20                      | -63.00           | Ø 200 X Ø 150 mm dia    | Reducer from          | 63.00  | MBGL to | 63.20  | MBGL | 0.20   | M. |
|                           | -27.20                      | -68.20           | Ø 150 mm dia Housing    | Plain pipe from       | 63.20  | MBGL to | 285.50 | MBGL | 222.30 | M. |
|                           | -32.20                      |                  | Ø 150 mm dia Housing    | Slotted pipe from     | 285.50 | MBGL to | 295.50 | MBGL | 10.00  | M. |
|                           | -37.20                      |                  | Ø 150 mm dia Plain pipe | Plain pipe from       | 295.50 | MBGL to | 301.50 | MBGL | 6.00   | M. |
|                           | -42.20                      |                  |                         |                       |        |         |        |      |        |    |
|                           | -47.20                      |                  |                         |                       |        |         |        |      |        |    |
| -52.20                    |                             |                  |                         |                       |        |         |        |      |        |    |
| -57.20                    |                             |                  |                         |                       |        |         |        |      |        |    |
| -62.20                    |                             |                  |                         |                       |        |         |        |      |        |    |
| -67.20                    |                             |                  |                         |                       |        |         |        |      |        |    |
| -72.20                    |                             |                  |                         |                       |        |         |        |      |        |    |
| -77.20                    |                             |                  |                         |                       |        |         |        |      |        |    |
| -82.20                    |                             |                  |                         |                       |        |         |        |      |        |    |
| -87.20                    |                             |                  |                         |                       |        |         |        |      |        |    |
| -92.20                    |                             |                  |                         |                       |        |         |        |      |        |    |
| -97.20                    |                             |                  |                         |                       |        |         |        |      |        |    |
| -102.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -107.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -112.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -117.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -122.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -127.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -132.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -137.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -142.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -147.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -152.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -157.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -162.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -167.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -172.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -177.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -182.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -187.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -192.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -197.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -202.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -207.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -212.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -217.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -222.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -227.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -232.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -237.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -242.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -247.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -252.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -257.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -262.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -267.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -272.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -277.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -282.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -287.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -292.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -297.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -302.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -307.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -312.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -317.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -322.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -327.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -332.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -337.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -342.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -347.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -352.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -357.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -362.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -367.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -372.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -377.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -382.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -387.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -392.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -397.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -402.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -407.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -412.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -417.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -422.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -427.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -432.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -437.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -442.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -447.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -452.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -457.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -462.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -467.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -472.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -477.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -482.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -487.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -492.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -497.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -502.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -507.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -512.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -517.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -522.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -527.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -532.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -537.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -542.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -547.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -552.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -557.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -562.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -567.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -572.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -577.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -582.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -587.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -592.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -597.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -602.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -607.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -612.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -617.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -622.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -627.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -632.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -637.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -642.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -647.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -652.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -657.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -662.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -667.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -672.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -677.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -682.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -687.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -692.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -697.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -702.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -707.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -712.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -717.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -722.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -727.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -732.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -737.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -742.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -747.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -752.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -757.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -762.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -767.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -772.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -777.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -782.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -787.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -792.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -797.20                   |                             |                  |                         |                       |        |         |        |      |        |    |
| -802.20                   |                             |                  |                         |                       |        |         |        |      |        |    |



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Raebareli/99

Date : 10.08.23

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village – Sulaipur, Block – Chhatoh  
Distt. – Raebareli

**Drilling Depth** : 330 mbgl as reported by Driller

**Logged Depth** : 315 mbgl

**Date of Logging** : 10.08.23

**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 | $R_{mf}$ & $R_w$                                |
|---------|----------------------|---------------|-----------------|-------------------------------------------------|
| 1       | 27 – 34              | 7             | Good            | $R_{mf} = 12 \Omega m$<br>$R_w = 14.2 \Omega m$ |
| 2       | 55 – 60              | 5             | Good            |                                                 |
| 3       | 275 – 281            | 6             | Moderate        |                                                 |
| 4       | 285 – 295            | 10            | Moderate        |                                                 |
| 5       | 298 – 308            | 10            | Moderate        |                                                 |

**Remark** : Formation water quality is deteriorating marginal to saline below 92 mbgl to 270 mbgl. Good clay encountered from 60 – 90 mbgl and 270 – 274 mbgl.

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