

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

Red Assembly Plan-KAIYANA, BLOCK-JAGATPUR JIM PHASE-II--(647/13)

Type of Rig Machine- D. C RIG MACHINE

Size of Bore - 600 X 450mm,

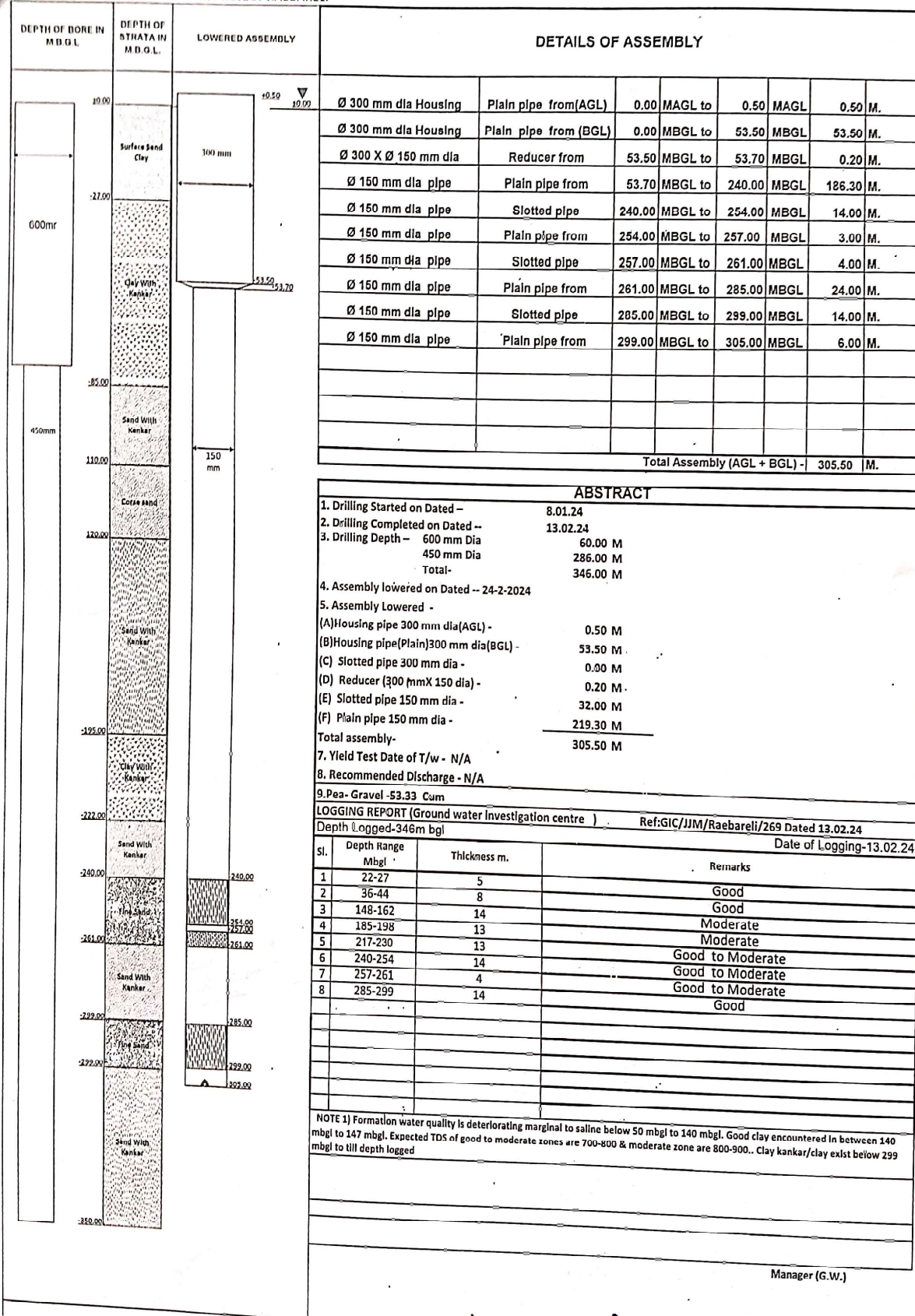
Static W/L-

District -

Raebareli

Contractor Name - M/5 NCC SWSM PROJECT RAEBARELI

LPM-910



NOTE 1) Formation water quality is deteriorating marginal to saline below 50 mbgl to 140 mbgl. Good clay encountered in between 140 mbgl to 147 mbgl. Expected TDS of good to moderate zones are 700-800 & moderate zone are 800-900. Clay kanakar/clay exist below 299 mbgl to till depth logged

Manager (G.W.)

Prepared & Proposed By

M/5 NCC,  
PROJECT (SWSM-Raebareli)

Checked By

TPIA  
(CEINSYS)

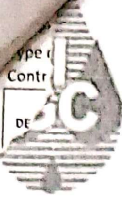
Junior Engineer  
(UPJN)

Recommended By

Assistant Engineer

Approved By

Executive Engineer



# GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

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

Mob: 9450659011, 0040756551, 9450364183

Email : sl.amaresh11@gmail.com, gicaksingh@gmail.com

GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JIM/ Raebareli/269

Date: 13.02.24

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Kejriyana, Block – Jagatpur  
District - Raebareli  
Latitude – 25.971328<sup>0</sup>, Longitude – 81.218045<sup>0</sup>

Drilling Depth : 350 mbgl as reported by Driller

Logged Depth : 346 mbgl

Date of Logging : 13.02.24

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



Logger Used : Upron

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

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Types of strata	R <sub>mf</sub> & R <sub>w</sub>
1	22 – 27	5	Good	R <sub>mf</sub> = 18 Ωm R <sub>w</sub> = 20 Ωm
2	36 – 44	8	Good	
3	148 – 162	14	Moderate	
4	185 – 198	13	Moderate	
5	217 – 230	13	Good to moderate	
6	240 – 254	14	Good to moderate	
7	257 – 261	4	Good to moderate	
8	285 – 299	14	Good	

Remark : Formation water quality is deteriorating marginal to saline below 50 mbgl to 140 mbgl. Good clay encountered in between 140 mbgl to 147 mbgl. Expected TDS of good to moderate zones are 700 – 800 & moderate zone are 800 – 900.. Clay kankar / clay exist below 299 mbgl to till depth logged.

C C : NCC Raebareli

  
  
(A.K. Singh)  
Geophysicist