

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

Lowered Assembly Plan-Dhootamu, Block-JAGATPUR, IIM PHASE-II (237/26)

District -

Raebareilly

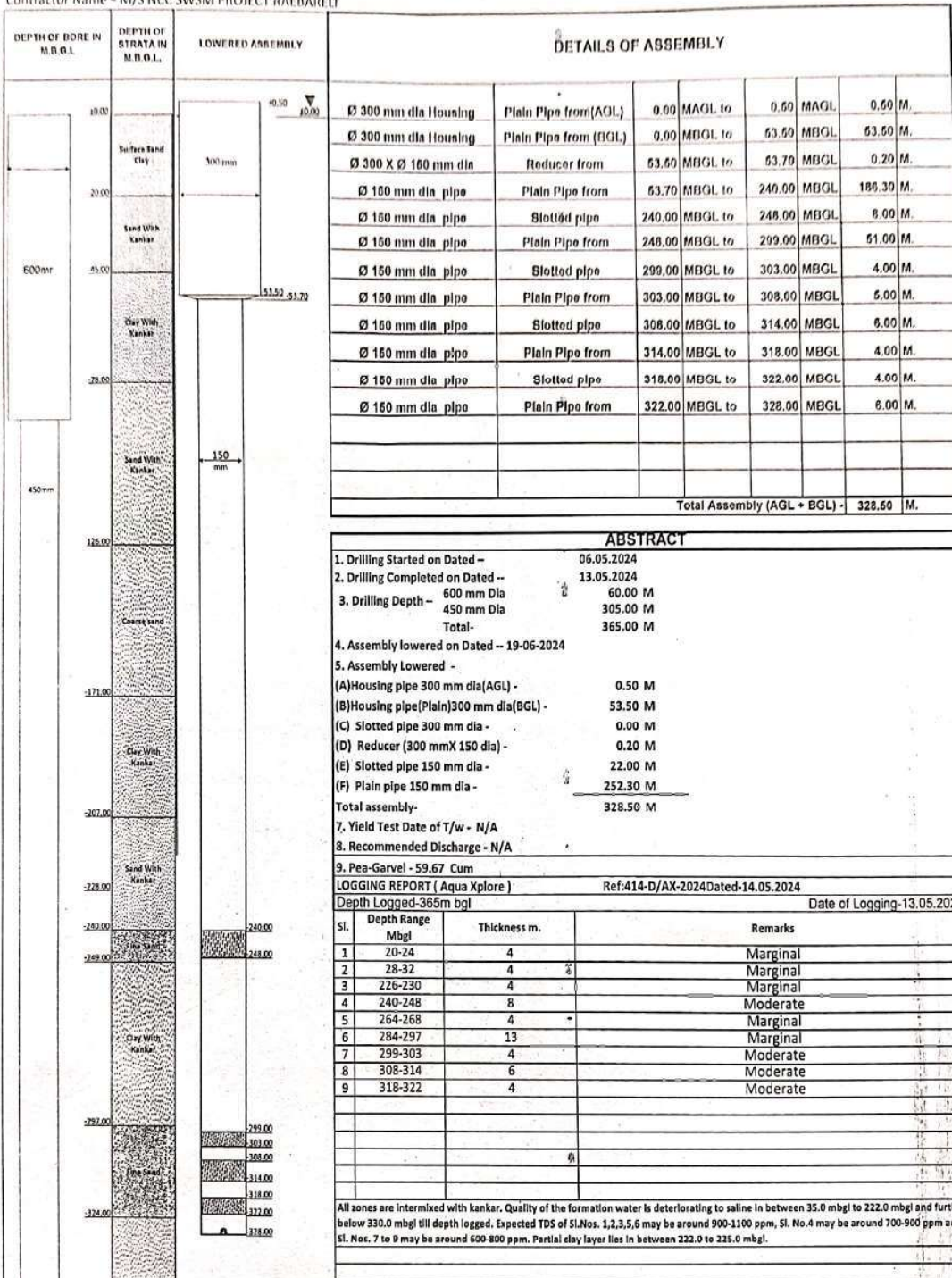
Type of Rig Machine- D. C RIG MACHINE

Size of Bore - 600 X 450mm,

Static W/L-

LPM-1700

Contractor Name - M/S NCC SWSM PROJECT RAEBARELLI



ABSTRACT

1. Drilling Started on Dated - 06.05.2024
 2. Drilling Completed on Dated - 13.05.2024
 3. Drilling Depth - 600 mm Dia 60.00 M
 450 mm Dia 305.00 M
 Total- 365.00 M
 4. Assembly lowered on Dated - 19-06-2024
 5. Assembly Lowered -
 (A) Housing pipe 300 mm dia (AGL) - 0.50 M
 (B) Housing pipe (Plain) 300 mm dia (BGL) - 53.50 M
 (C) Slotted pipe 300 mm dia - 0.00 M
 (D) Reducer (300 mm X 150 dia) - 0.20 M
 (E) Slotted pipe 150 mm dia - 22.00 M
 (F) Plain pipe 150 mm dia - 252.30 M
 Total assembly- 328.50 M
 7. Yield Test Date of T/w - N/A
 8. Recommended Discharge - N/A

9. Pea-Garvel - 59.67 Cum
 LOGGING REPORT (Aqua Xplore) Ref:414-D/AX-2024 Dated-14.05.2024
 Depth Logged-365m bgl Date of Logging-13.05.2024

Sl.	Depth Range Mbgl	Thickness m.	Remarks
1	20-24	4	Marginal
2	28-32	4	Marginal
3	226-230	4	Marginal
4	240-248	8	Moderate
5	264-268	4	Marginal
6	284-297	13	Marginal
7	299-303	4	Moderate
8	308-314	6	Moderate
9	318-322	4	Moderate

All zones are intermixed with kankar. Quality of the formation water is deteriorating to saline in between 35.0 mbgl to 222.0 mbgl and further below 330.0 mbgl till depth logged. Expected TDS of Sl.Nos. 1,2,3,5,6 may be around 900-1100 ppm, Sl. No.4 may be around 700-900 ppm and Sl. Nos. 7 to 9 may be around 600-800 ppm. Partial clay layer lies in between 222.0 to 225.0 mbgl.

Manager (G.W.)

Prepared & Proposed By: *[Signature]* M/S NCC PROJECT (SWSM-Raebarelli)
 Checked By: *[Signature]* TPIA (CEINSYS) Junior Engineer (UPJN)
 Recommended By: *[Signature]* Assistant Engineer (UPJN)
 Approved By: *[Signature]* Executive Engineer (UPJN)



Aqua Xplore

(Groundwater Assessment & Allied Services)
243/5, New Colony Jyamau, Hazratganj, Lucknow - 226001

Mob: 9918202546 / 9889323322, E mail: aquaxploreko@gmail.com

Advisor - Dr. R. A. Yadav, ex-Manager (Groundwater), U. P. Jal Nigam

Ref. 414 -D / AX - 2024 Date 14.05.2024

Geophysical Borehole-Logging Report

Name of the site: Dhoota, Block - Jagatpur

District : Raibareli

Date : 14.05.2024

Depth logged : 345.0 mbgl,

Depth drilled : 365.0 mbgl - as reported

Logger used : Robertson make

Presence : Rep. of NCC Ltd., Raibareli

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water.

Sl.No.	Depth range(mbgl)	Thickness(m)	Remarks
1	20.0---24.0	4.0	Marginal (1,2,3,5,6)
2	28.0---32.0	4.0	
3	226.0---230.0	4.0	
4	240.0---248.0	8.0	
5	264.0---268.0	4.0	
6	284.0---297.0	13.0	
7	299.0---303.0	4.0	Moderate(4,7,8,9)
8	308.0---314.0	6.0	
9	318.0---322.0	4.0	

Note. All zones are intermixed with kankar. Quality of the formation water is deteriorating to saline in between 35.0 mbgl to 222.0 mbgl and further below 330.0 mbgl till depth logged. Expected TDS of Sl.Nos.1,2,3,5,6 may be around 900-1100 ppm, Sl. No.4 may be around 700-900 ppm and Sl. Nos. 7 to 9 may be around 600-800 ppm. Partial clay layer lies in between 222.0 to 225.0 mbgl.

for Aqua Xplore

CC;

1. M/S NCC, Limited., Raibareli