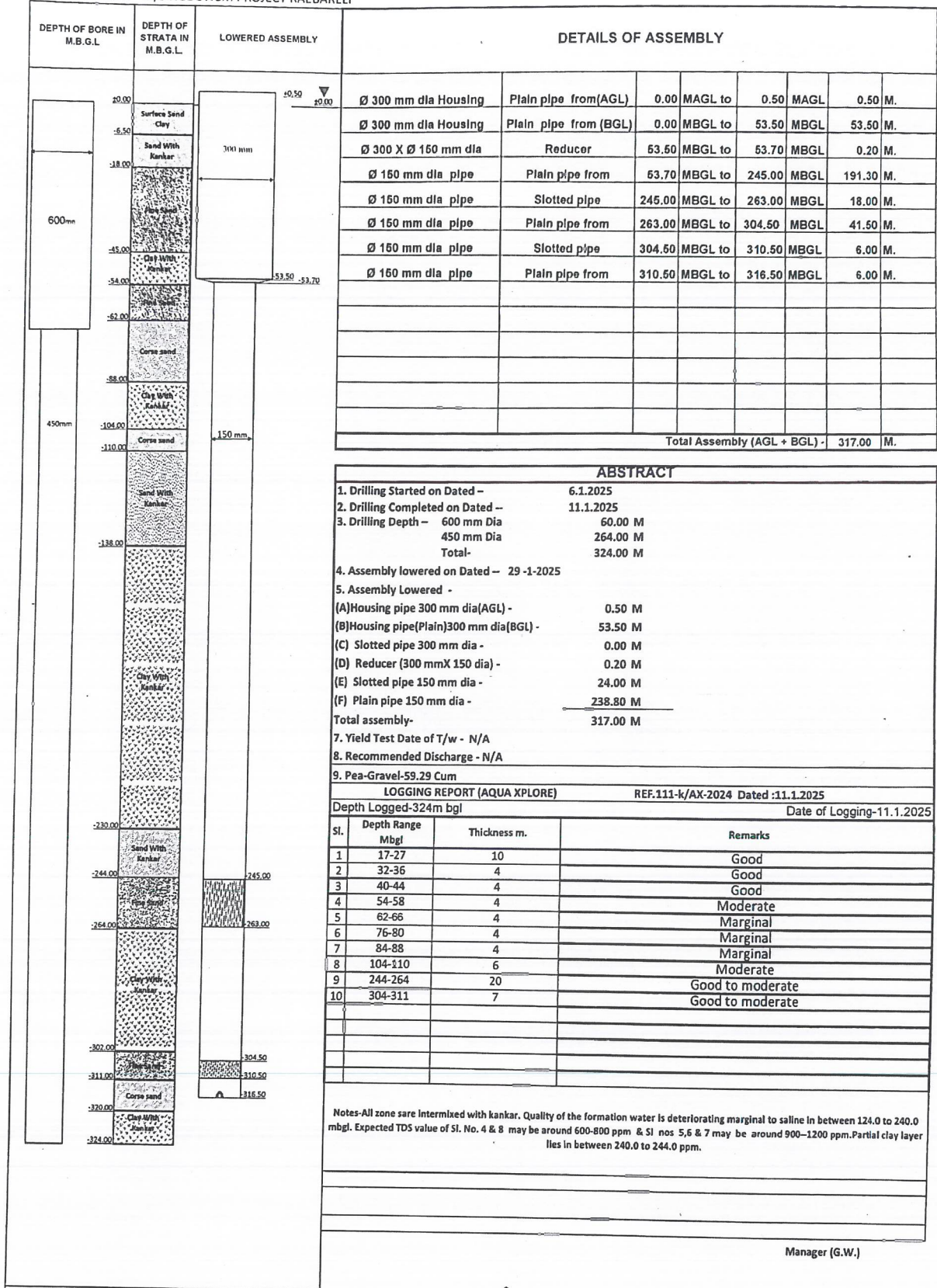


**OFFICE OF THE EXECUTIVE ENGINEER
DIVISIONAL OFFICE (E/M), U.P. JAL NIGAM, LUCKNOW**

Lowered Assembly Plan-KUMHARAWAN, BLOCK-Shivgarh JJM PHASE-II--(647/31)
Type of Rig Machine- D. C RIG MACHINE Size of Bore - 600 X 450mm,
Contractor Name - M/S NCC SWSM PROJECT RAEBARELI

District - Raebareli
LPM-980



Prepared & Proposed By

M/S NCC,
PROJECT (SWSM-Raebareli)

Checked By

TPIA
(CEINSYS)

Recommended By

Assistant Engineer
(UPJN)

Approved By

Executive Engineer
(UPJN)



Aqua Xplore

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

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

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

Ref. 111 - K / AX - 2025 Date 11.01.2025

Geophysical Borehole Logging Report

Name of the site : Kumharawan, Block - Shivgarh

District : Raibarely

Date : 11.01.2025

Depth logged : 324.0 mbgl,

Depth drilled : 350.0 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	17.0–27.0	10.0	
2	32.0–36.0	4.0	Good (1,2,3)
3	40.0–44.0	4.0	
4	54.0–58.0	4.0	Moderate (4,8)
5	62.0–66.0	4.0	
6	76.0–80.0	4.0	Marginal (5,6,7)
7	84.0–88.0	4.0	
8	104.0–110.0	6.0	Good to moderate (9,10)
9	244.0–264.0	20.0	
10	304.0–311.0	7.0	

Note. All zones are intermixed with kankar. Quality of the formation water is deteriorating to Saline in between 124.0 to 240.0 mbgl. Expected TDS value of Sl. Nos. 4 & 8 may be around 600-800 ppm & Sl Nos. 5,6 & 7 may be around 900-1200 ppm. Partial clay layer lies in between 240.0 to 244.0 ppm

for Aqua Xplore

CC;

1. M/S NCC, Limited., Raibarely