

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

Lowered Assembly Plan-GANGAULI, BLOCK-UNCHAIHAR JJM PHASE-II--(647/27)
Type of Rig Machine- D. C RIG MACHINE
Contractor Name - M/S NCC SWSM PROJECT RAEBARELI

Static W/L- District - Raebareli
LPIA-980

DEPTH OF BORE IN M.B.G.L.	DEPTH OF STRATA IN M.B.G.L.	LOWERED ASSEMBLY	DETAILS OF ASSEMBLY								
600mm	20.00	Surface Sand Clay	300 mm	Ø 300 mm dia Housing	Plain pipe from(AGL)	0.00	MAGL to	0.50	MAGL	0.50	M.
	-4.50	Sand With Kankar	300 mm	Ø 300 mm dia Housing	Plain pipe from (BGL)	0.00	MBGL to	53.50	MBGL	53.50	M.
	-25.00	Sand With Kankar	300 X Ø 150 mm dia	Reducer		53.50	MBGL to	53.70	MBGL	0.20	M.
	-30.00	Sand With Kankar	Ø 150 mm dia pipe	Plain pipe from		53.70	MBGL to	142.50	MBGL	88.80	M.
	-32.00	Sand With Kankar	Ø 150 mm dia pipe	Slotted pipe		142.50	MBGL to	151.50	MBGL	9.00	M.
	-33.00	Sand With Kankar	Ø 150 mm dia pipe	Plain pipe from		151.50	MBGL to	159.50	MBGL	8.00	M.
	-34.00	Sand With Kankar	Ø 150 mm dia pipe	Slotted pipe		159.50	MBGL to	162.50	MBGL	3.00	M.
	-35.00	Sand With Kankar	Ø 150 mm dia pipe	Plain pipe from		162.50	MBGL to	168.50	MBGL	6.00	M.
	-36.00	Sand With Kankar	Ø 150 mm dia pipe	Slotted pipe		168.50	MBGL to	174.50	MBGL	6.00	M.
	-37.00	Sand With Kankar	Ø 150 mm dia pipe	Plain pipe from		174.50	MBGL to	190.50	MBGL	16.00	M.
	-38.00	Sand With Kankar	Ø 150 mm dia pipe	Slotted pipe		190.50	MBGL to	196.50	MBGL	6.00	M.
	-39.00	Sand With Kankar	Ø 150 mm dia pipe	Plain pipe from		196.50	MBGL to	202.50	MBGL	6.00	M.
	-40.00	Sand With Kankar	Ø 150 mm dia pipe								
	-41.00	Sand With Kankar	Ø 150 mm dia pipe								
	Total Assembly (AGL + BGL) -										203.00

ABSTRACT	
1. Drilling Started on Dated -	20.01.2025
2. Drilling Completed on Dated -	25.01.2025
3. Drilling Depth -	600 mm Dia 60.00 M
450 mm Dia 290.00 M	
Total-	350.00 M
4. Assembly lowered on Dated -	06-2-2025
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 mmX 150 dia) -	0.20 M
(E) Slotted pipe 150 mm dia -	24.00 M
(F) Plain pipe 150 mm dia -	124.80 M
Total assembly-	203.00 M
7. Yield Test Date of T/w -	N/A
8. Recommended Discharge -	N/A
9. Pea -Gravel- 40.29 Cum	

LOGGING REPORT (Aqua Xplore)		Ref:125-G/AX-2025 Dated 25-01-2025
Depth Logged-350 m bgl		Date of Logging-25.01.2025
Sl.	Depth Range Mbgl	Thickness m.
1	25-30	5
2	115-119	4
3	122-126	4
4	142-152	10
5	159-163	4
6	168-175	7
7	190-197	7
Remarks		
Moderate		
Moderate		
Good to Moderate		
Good to Moderate		
Good to Moderate		
Good to Moderate		
Good to Moderate		

Note. All zone are Intermixed with kankar. Quality of the formation water is deteriorating to Saline in between 34.0 to 110.0 mbgl & further below 204.0 mbgl till depth logged.

Prepared & Proposed By

M/S NCC,
PROJECT (SWSM-Raebareli)

Checked By

TPIA
(CEINSYS)

Recommended By

Assistant Engineer
(UPJN)

Manager (G.W.)

Approved By

Executive Engineer
(UPJN)



Aqua Xplore

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

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

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

Ref. 125 - G / AX - 2025 Date 25.01.2025

Geophysical Borehole Logging Report

Name of the site : Gangauli, Block - Unchahaar

District : Raibareli

Date : 25.01.2025

Depth logged : 350.0 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	25.0----30.0	5.0	Moderate (1 & 2)
2	115.0----119.0	4.0	
3	122.0----126.0	4.0	Good to moderate (3 to 7)
4	142.0----152.0	10.0	
5	159.0----163.0	4.0	
6	168.0----175.0	7.0	
7	190.0----197.0	7.0	

Note. All zones are intermixed with kankar. Quality of the formation water is deteriorating marginal to saline in between 34.0 to 110.0 mbgl and further below 204.0 mbgl till depth logged.

for Aqua Xplore

CC;

1. M/S NCC, Limited., Raibareli