

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

Lowered Assembly Plan Garhi Mutwalli, Block-RAHII, 11M PHASE-II (573/51)
District - Raebareilly

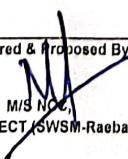
Type of Rig Machine - D C RIG MACHINE
Static W/L- LPM-440

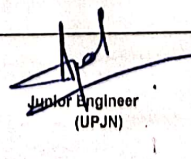
Contractor Name - M/S NCC SWSM PROJECT RAIBAREILLY
Size of Bore - 600 X 450mm

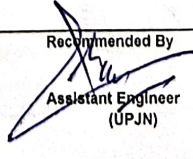
DEPTH OF BORE IN MBGL	DEPTH OF STRATA IN MBGL	LOWERED ASSEMBLY	DETAILS OF ASSEMBLY									
600mm	10.00 Surface Sand Clay 20.00 Sand With Kankar 34.00 Fine Silt 44.00 Sand With Kankar 57.20 76.00 Sand With Kankar 126.00 Coarse sand 171.00 Sand With Kankar 207.00 Clay With Kankar 270.00	46.50 48.00 300mm 34.00 37.00 40.00 44.00 50.00 54.00 57.20 150mm 169.20	Ø 300 mm dia Housing Plain Pipe from(AGL) 0.00 MAGL to 0.50 MAGL 0.50 M	Ø 300 mm dia Housing Plain Pipe from (BGL) 0.00 MBGL to 34.00 MBGL 34.00 M	Ø 300 mm dia Housing Slotted pipe 34.00 MBGL to 37.00 MBGL 3.00 M	Ø 300 mm dia Housing Plain Pipe from 37.00 MBGL to 40.00 MBGL 3.00 M	Ø 300 mm dia Housing Slotted pipe 40.00 MBGL to 44.00 MBGL 4.00 M	Ø 300 mm dia Housing Plain Pipe from 44.00 MBGL to 50.00 MBGL 6.00 M	Ø 300 mm dia Housing Slotted pipe 50.00 MBGL to 54.00 MBGL 4.00 M	Ø 300 mm dia Housing Plain Pipe from 54.00 MBGL to 57.00 MBGL 3.00 M	Ø 300 X Ø 150 mm dia Reducer from 57.00 MBGL to 57.20 MBGL 0.20 M	Ø 150 mm dia pipe Plain Pipe from 57.20 MBGL to 63.20 MBGL 6.00 M
		Total Assembly (AGL + BGL) -			63.70 M							

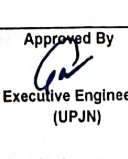
ABSTRACT			
1. Drilling Started on Dated --	27.05.2024		
2. Drilling Completed on Dated --	04.07.2024		
3. Drilling Depth --	65.00 M		
450 mm Dia	205.00 M		
Total-	270.00 M		
4. Assembly lowered on Dated -- 9-7-2024			
5. Assembly Lowered -			
(A) Housing pipe 300 mm dia(AGL) -	0.50 M		
(B) Housing pipe(Plain)300 mm dia(BGL) -	46.00 M		
(C) Slotted pipe 300 mm dia -	11.00 M		
(D) Reducer (300 mmX 150 dia) -	0.20 M		
(E) Slotted pipe 150 mm dia -	0.00 M		
(F) Plain pipe 150 mm dia -	6.00 M		
Total assembly-	63.70 M		
7. Yield Test Date of T/w - N/A			
8. Recommended Discharge - N/A			
9. Pea-Garvel - 40.89 Cum			
LOGGING REPORT (Aqua Xplore) Ref:705-G/AX-2024Dated-05.07.2024			
Depth Logged-270m bgl Date of Logging-04.07.2024			
Sl. No.	Depth Range Mbgl	Thickness m.	Remarks
1	27-37	10	Good
2	40-44	4	Good
3	50-54	4	Good
4	210-217	7	Moderate
5	237-247	10	Marginal
6	250-256	6	Marginal
7	258-262	4	Marginal
All zone are Intermixed with kankar. Quality of the formation water is deteriorating marginal to saline in between 60.0 to 300.0 mbgl. Expected TDS value of Sl. No. 4. may be around 700-900 ppm & Sl. Nos. 5 to 7 may be around 1000-1300 ppm.			

Manager (G.W.)

Prepared & Proposed By

M/S NCC,
PROJECT (SWSM-Raebareilly)

Checked By

TPJA
(CEINSYS)

Recommended By

Assistant Engineer
(UPJN)

Approved By

Executive Engineer
(UPJN)



Aqua Xplore

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

Ref. 705 - G / AX - 2024 Date 05.07.2024

Geophysical Borehole Logging Report

Name of the site : Garhi Mutawali, Block - Rahi

District : Raibareli

Date : 05.07.2024

Depth logged : 265.0 mbgl,

Depth drilled : 270.0.0 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	27.0-37.0	10.0	Good (1,2,3)
2	40.0-44.0	4.0	
3	50.0-54.0	4.0	
4	210.0-217.0	7.0	Moderate (4)
5	237.0-247.0	10.0	Marginal(5,6,7)
6	250.0-256.0	6.0	
7	258.0-262.0	4.0	

Note. All zone are intermixed with kankar. Quality of the formation water is deteriorating marginal to saline in between 60.0 to 200.0 mbgl. Expected TDS value of Sl. No. 4. may be around 700-900 ppm & Sl. Nos. 5 to 7 may be around 1000-1200 ppm.

for Aqua Xplore

CC;

1. M/S NCC, Limited., Raibareli

