

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

Completion plan of - MADAN TUSI WSS , BLOCK- HARCHANDPUR UNDER JJM PHASE-II--(134/24)

District

RAEBARELI

Type of Rig Machine- D. C RIG MACHINE

Size of Bore - 500 X 450mm,

Static W/L-

Contractor Name - M/S NCC SWSM PROJECT RAEBARELI

DEPTH OF BORE IN M.B.G.L.	DEPTH OF STRATA IN M.B.G.L.	LOWERED ASSEMBLY	DETAILS OF ASSEMBLY
	±0.00	+0.50 ±0.00	Ø 200 mm dia Housing Plain pipe from(AGL) 0.00 MAGL to 0.50 MAGL 0.50 M.
	-09.00	200 mm	Ø 200 mm dia Housing Plain pipe from (BGL) 0.00 MBGL to 53.50 MBGL 53.50 M.
	-27.00		Ø 200 X Ø 150 mm dia Reducer from 53.50 MBGL to 53.70 MBGL 0.20 M.
	-48.00	-53.50 -53.70	Ø 150 mm dia Pipe Plain pipe from 53.70 MBGL to 291.00 MBGL 237.30 M.
			Ø 150 mm dia Pipe Slotted pipe from 291.00 MBGL to 300.00 MBGL 9.00 M.
			Ø 150 mm dia Pipe Plain pipe from 300.00 MBGL to 302.00 MBGL 2.00 M.
			Ø 150 mm dia Pipe Slotted pipe from 302.00 MBGL to 305.00 MBGL 3.00 M.
			Ø 150 mm dia Pipe Plain pipe from 305.00 MBGL to 311.00 MBGL 6.00 M.
			Ø 150 mm dia Pipe Slotted pipe from 311.00 MBGL to 320.00 MBGL 9.00 M.
			Ø 150 mm dia Pipe Plain pipe from 320.00 MBGL to 323.00 MBGL 3.00 M.
			Ø 150 mm dia Pipe Slotted pipe from 323.00 MBGL to 329.00 MBGL 6.00 M.
			Ø 150 mm dia Pipe Bail Plug from 329.00 MBGL to 335.00 MBGL 6.00 M.
			Total Assembly (AGL + BGL) - 335.50 M.
<b>ABSTRACT</b>			
1. Drilling Started on Dated - 27.12.2021			
2. Drilling Completed on Dated -- 04.01.2022			
3. Drilling Depth - 500 mm Dia 60.00 M			
450 mm Dia 285.00 M			
Total- 345.00 M			
4. Assembly lowered on Dated-- 10.01.2022			
5. Assembly Lowered -			
(A) Housing pipe 200 mm dia (AGL) - 0.50 M			
(B) Housing pipe (Plain) 200 mm dia (BGL) - 53.50 M			
(D) Reducer (200 mm X 150 dia) - 0.20 M			
(E) Slotted pipe/screen - 150 mm dia - 27.00 M			
(F) Plain pipe 150 mm dia - 254.30 M			
Total assembly- 335.50 M			
6. Pea Graevel - 61.13 Cum			
7. Yield Test Date of T/w - N/A			
8. Recommended Discharge - N/A			
<b>LOGGING REPORT</b>			
Depth Logged-343.00 Mbgl			Date of Logging-05.01.2022
Sl.	Depth Range Mbgl	Thickness m.	Remarks
1	30 - 34	4	Good
2	214 - 228	14	Moderate
3	270 - 299	29	Moderate
4	290 - 306	16	Good
5	310 - 340	30	Good
Note- Note :- Quality of the formation water is deteriorating Marginal to saline between 50.0 MBGL to 206 MBGL SI.No. 3 is fine sand. All zones are intermixed with kankar.			
Manager (G.W.)			

M. A. J.

T. P. K.

S. K. S.





# 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. 105 - M / AX - 2022 Date 05.01.2022

## Geophysical Borehole Logging Report

Name of the site : Madan Tusi, Block - Harchandpur

District : Raibarely

Date : 05.01.2022

Depth logged : 343.0 mbgl,

Depth drilled : 350.0.0 mbgl - as reported

Borehole Dia. : 450 mm ( as reported )

Logged by : Aqua Xplore

Presence : Rep. of NCC Ltd., Raibarely

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	30.0--34.0	4.0	Good(1,4 & 5))
2	214.0--228.0	14.0	
3	270.0--277.0	7.0	Moderate (2 &3)
4	290.0--306.0	16.0	
5	310.0--340.0	30.0	

Note. Quality of the formation water is deteriorating Marginal to saline between 50.0 mbgl to 206 mbgl. Sl.No 3 is very fine sand. All zones are intermixed with kankar.

Report verified in terms of zone selected Logging cc; firm will be totally responsible for chemical quality (TDS) mentioned in this report.

1. Executive Engineer, XIIIth. Divn..(E/M). U.P. Jal Nigam, Lucknow
2. M/S NCC, Limited., Raibarely

ASSISTANT HYDROGEOLOGIST  
YANTRIK MANDAL  
U.P. JAL NIGAM (RURAL)  
PRAYAGRAJ

following observation was made for Aqua Xplore zone 1-30-44 zone 3 and 5 have thin band of clay kankar.