

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

Completion plan of -khanuwa WSS, BLOCK-Rahi, UNDER JJM PHASE-II- ( 573/49 )

District -Raebareli

Type of Rig Machine- D. C RIG MACHINE

Size of Bore - 500 X 450mm,

Static W/L-

LPM-470

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.																				
	-09.47	200 mm	Ø 200 mm dia Housing Plain pipe from (BGL) 0.00 MBGL to 49.00 MBGL 49.00 M.																				
500 mm			Ø 200 mm dia Pipe Slotted pipe from 49.00 MBGL to 52.00 MBGL 3.00 M.																				
	-45.10	-49.0 -52.0	Ø 200 mm dia Pipe Plain pipe from 52.00 MBGL to 112.50 MBGL 60.50 M.																				
			Ø 200 mm dia Pipe Slotted pipe from 112.50 MBGL to 124.50 MBGL 12.00 M.																				
			Ø 200 mm dia Pipe Plain pipe from 124.50 MAGL to 127.50 MBGL 3.00 M.																				
			Ø 200 mm dia Pipe Reducer from 127.50 MAGL to 127.70 MAGL 0.20 M.																				
			Ø 150 mm dia Pipe Ball Plug from 127.70 MAGL to 133.70 MAGL 6.00 M.																				
			<b>Total Assembly (AGL + BGL) - 134.20 M.</b>																				
			<b>ABSTRACT</b>																				
			1. Drilling Started on Dated - 26.03.2023																				
			2. Drilling Completed on Dated -- 29.03.2023																				
			3. Drilling Depth - 500 mm Dia 140.00 M																				
			450 mm Dia 133.00 M																				
			Total- 273.00 M																				
			4. Assembly lowered on Dated -- 03.04.2023																				
			5. Assembly Lowered -																				
			(A) Housing pipe 200 mm dia (AGL) - 0.50 M																				
			(B) Housing pipe (Plain) 200 mm dia (BGL) - 112.50 M																				
			(D) Reducer (200 mm X 150 dia) - 0.20 M																				
			(E) Slotted pipe/screen - 200 mm dia - 15.00 M																				
			(F) Plain pipe 150 mm dia - 6.00 M																				
			<b>Total assembly- 134.20 M</b>																				
			7. Yield Test Date of T/w - N/A																				
			8. Recommended Discharge - N/A																				
			<b>LOGGING REPORT (M/S Geo Instruments and Techniq's) REF:GIT:UP:22-23:LS:368 Dated-31-3-2023</b>																				
			Depth Logged-273.00 mbgl <span style="float: right;">Date of Logging-30.03.2023</span>																				
			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sl.</th> <th>Depth Range Mbgl</th> <th>Thickness m.</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>30-37</td> <td>7</td> <td>Good</td> </tr> <tr> <td>2</td> <td>49-52</td> <td>3</td> <td>Good</td> </tr> <tr> <td>3</td> <td>58-64</td> <td>6</td> <td>Good</td> </tr> <tr> <td>4</td> <td>112-125</td> <td>13</td> <td>Good</td> </tr> </tbody> </table>	Sl.	Depth Range Mbgl	Thickness m.	Remarks	1	30-37	7	Good	2	49-52	3	Good	3	58-64	6	Good	4	112-125	13	Good
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			Note:-1) Fine bands of kankar are intermixed with almost all the zone.																				
			2) Zone SL.NO 2 is fine sand in nature.																				
			3) Quality of ground water is deteriorating Marginal to saline in below 132.0 m bgl to till depth logged.																				
			4) Pl ensure the pre-monsoon water level before lower the well Assembly.																				

Manager (G.W.)

Prepared & Proposed By  
  
M/S NCC,  
PROJECT (SWSM-Raebareli)

Checked By

  
TPIA  
(CEINSYS)

Recommended By

  
Junior Engineer  
(UPJN)

Approved By

  
Assistant Engineer  
(UPJN)

  
Executive Engineer  
(UPJN)



Tele Fax : +91-0522-246-5512(O)  
Mob. : +91 - 9415141232, 9554034123  
E-mail : geo.instrument@outlook.com

# GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Upton Borehole logging system, UPTRON INDIA LTD., LUCKNOW

Ref. GIT UP 22-23.LS. 368  
Dated: 31-03-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Khanuwa  
Block: Rahi  
District: Raibareli  
State: Uttar Pradesh  
Drilling depth: 280.0 m bgl  
Logging depth: 273.0 m bgl  
Date of logging: 30-03-2023  
Rm - 13.0  $\Omega$ m R<sub>w</sub> - 15.0  $\Omega$ m

Borewell Drilled By: M/s NCC Limited, Raibareli, U.P.

Based on the interpretation of Self Potential (SP), Short Normal (N-16"), Long Normal (N-64") and Lateral 6' Geophysical Logs, following informations/granular zones have been deciphered with respect to Salinity only:

Sl. No.	Depth Range (m bgl)	Thickness (meters)	Remarks (Quality of aquifer water)
<del>1</del>	30 - 37	07	Good
2	49 - 52	03	Good
<del>3</del>	58 - 64	06	Good
<del>4</del>	112 - 125	13	Good

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.  
2. Zone Sl. No. 2 is fine sand in nature.  
3. Quality of ground water is deteriorating Marginal to Saline below 132.0 m bgl to till depth logged.  
4. Please ensure pre-monsoon water level before lower the well assembly.

Verified as per logs provided.  
Note - Sr No 3 is also fine to medium sand.

For Geo Instruments & Technic's

(S. Shukla)

GCh  
07/04/23