

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

Completion plan of - RAIN WSS, BLOCK - MAHARAJGAD UNDER JJM PHASE-II--(133/13)

District

RAEBARELI

Type of Rig Machine- D. C RIG MACHINE

Size of Bore - 600 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	Surface Clay	Ø 300 mm dia Housing Plain pipe from(AGL) 0.00 MAGL to 0.50 MAGL 0.50 M.
	-09.00		Ø 300 mm dia Housing Plain pipe from(BGL) 0.00 MBGL to 53.50 MBGL 53.50 M.
			Ø 300 X Ø 150 mm dia Reducer from 53.50 MBGL to 53.70 MBGL 0.20 M.
			Ø 150 mm dia Pipe Plain pipe from 53.70 MBGL to 312.50 MBGL 258.80 M.
			Ø 150 mm dia Pipe Slotted pipe from 312.50 MBGL to 319.50 MBGL 7.00 M.
			Ø 150 mm dia Pipe Plain pipe from 319.50 MBGL to 327.50 MBGL 8.00 M.
			Ø 150 mm dia Pipe Slotted pipe from 327.50 MBGL to 330.50 MBGL 3.00 M.
			Ø 150 mm dia Pipe Plain pipe from 330.50 MBGL to 337.50 MBGL 7.00 M.
			Ø 150 mm dia Pipe Slotted pipe from 337.50 MBGL to 340.50 MBGL 3.00 M.
			Ø 150 mm dia Pipe Plain pipe from 340.50 MBGL to 346.50 MBGL 6.00 M.
			Ø 150 mm dia Pipe Slotted pipe from 346.50 MBGL to 349.50 MBGL 3.00 M.
			Ø 150 mm dia Pipe Bail Plug from 349.50 MBGL to 355.50 MBGL 6.00 M.
			Total Assembly (AGL + BGL) - 356.00 M.
			ABSTRACT
			1. Drilling Started on Dated - 11.01.2022
			2. Drilling Completed on Dated - 22.01.2022
			3. Drilling Depth - 600 mm Dia 60.00 M
			450 mm Dia 315.00 M
			Total- 375.00 M
			4. Assembly Lowered on Dated-- 31.01.2022
			5. Assembly Lowered -
			(A) Housing pipe 300 mm dia(AGL) - 0.50 M
			(B) Housing pipe(Plain)300 mm dia(BGL) - 53.50 M
			(D) Reducer (300 mmX 150 dia) - 0.20 M
			(E) Slotted pipe/screen - 150 mm dia- 16.00 M
			(F) Plain pipe 150 mm dia - 285.80 M
			Total assembly- 356.00 M
			6. Pea Graevel - 64.56 Cum
			7. Yield Test Date of T/w - N/A
			8. Recommended Discharge - N/A
			LOGGING REPORT
			Depth Logged-350.00 Mbgl Date of Logging-23.01.2022
			Sl. Depth Range Mbgl Thickness m. Remarks
			1 30 - 44 14 Good
			2 49 - 52 3 Good
			3 57 - 61 4 Good
			4 78 - 82 4 Moderate
			5 94 - 97 3 Moderate
			6 109 - 116 7 Moderate
			7 216 - 220 4 Good to Moderate
			8 254 - 257 3 Marginal
			9 312 - 320 8 Good to Moderate
			10 327 - 331 4 Good to Moderate
			11 337 - 341 4 Good to Moderate
			12 346 - 350 4 Good to Moderate
			Note- 1. Zones Sl. No. 3,4,5 and 7 Fine Sand in nature
			Note- 2. Zones Sl. No. 6 is Fine to Medium Sand in Nature
			Manager (G.W.)

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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:21-22:LS: 64 A
Dated: 23-01-2022

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Rain
Block: ~~Mahrajganj~~ BACHHRAWAN *R*
District: Raibareilly
State: Uttar Pradesh
Drilling depth: 350.0 m bgl
Logging depth: 350.0 m bgl ✓
Date of Logging: 23-01-2022

Tubewell Drilled By: NCC Limited, Raibareilly, Uttar Pradesh.

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:

Sl. No.	Depth Range (mbgl)	Thickness (meters)	Remarks (Quality of aquifer water)
1	30 - 44	14	Good
2	49 - 52	03	Good
3	57 - 61	04	Good
④	78 - 82	04	Moderate
5	94 - 97	03	Moderate
6	109 - 116	07	Moderate
7	216 - 220	04	Moderate
⑧	254 - 257	03	Marginal
9	312 - 320	08	Good to Moderate
10	327 - 331	04	Good to Moderate
11	337 - 341	04	Good to Moderate
12	346 - 350	04	Good to Moderate

Note: 1. Zones Sl. No. 3, 4, 5 and 7 are Fine Sand in nature.
2. Zones Sl. No. 6 is Fine to Medium Sand in nature.

Verified as per logs provided.
Note - Sr No 4 - is in transition zone, so should be avoided.

G.S.M.
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