

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

Completion plan of -Ashan Jagatpur WSS, BLOCK-Bachhrawan UNDER JJM PHASE-II-(237/22)

District

Raebareli

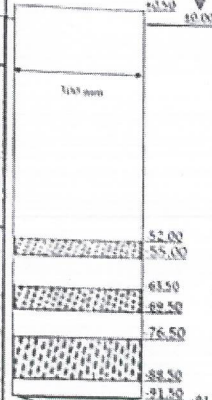
Type of Rig Machine- D. C RIG MACHINE

Size of Bore - 600 X 450mm.

Static W/L-

LPM-1200

Contractor Name - M/S NCC SWSM PROJECT RAEBARELI

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					
	45.00		Ø 300 mm dia Housing	Plain pipe from (AGL)	0.00 MAGL to	0.50 MAGL	0.50 M.	
	8.0		Surface Sand Clay	Ø 300 mm dia Housing	Plain pipe from (BGL)	0.00 MBGL to	52.00 MBGL	52.00 M.
	51.20		clay With Kankar	Ø 300 mm dia Pipe	Slotted pipe from	52.00 MBGL to	55.00 MBGL	3.00 M.
				Ø 300 mm dia Pipe	Plain pipe from	55.00 MBGL to	63.50 MBGL	8.50 M.
				Ø 300 mm dia Pipe	Slotted pipe from	63.50 MBGL to	69.50 MBGL	6.00 M.
				Ø 300 mm dia Pipe	Plain pipe from	69.50 MBGL to	76.50 MBGL	7.00 M.
				Ø 300 mm dia Pipe	Slotted pipe from	76.50 MBGL to	88.50 MBGL	12.00 M.
				Ø 300 mm dia Pipe	Plain pipe from	88.50 MBGL to	91.50 MBGL	3.00 M.
				Ø 300 X Ø 150 mm dia	Reducer from	91.50 MBGL to	91.7 MBGL	0.20 M.
				Ø 150 mm dia Pipe	Ball Plug from	91.7 MBGL to	97.7 MBGL	6.00 M.

Total Assembly (AGL + BGL) - 98.20 M.

ABSTRACT

- Drilling Started on Dated - 07.12.2022
- Drilling Completed on Dated - 11.12.2022
- Drilling Depth - 600 mm Dia 100.00 M
450 mm Dia 210.00 M
Total- 310.00 M
- Assembly lowered on Dated - 16.12.2022
- Assembly Lowered -

(A) Housing pipe 300 mm dia (AGL) -	0.50 M
(B) Housing pipe (Plain) 300 mm dia (BGL) -	70.50 M
(D) Reducer (300 mm X 150 dia) -	0.20 M
(E) Slotted pipe/screen - 300 mm dia -	21.00 M
(F) Plain pipe 150 mm dia -	6.00 M
Total assembly-	98.20 M
- Yield Test Date of T/w - N/A
- Recommended Discharge - N/A
- Pea-Gravel - 41.07 Cum

LOGGING REPORT

Depth Logged-310.00 Mbgl			Date of Logging-10.12.2022
Sl.	Depth Range Mbgl	Thickness m.	Remarks
1	21-28	7	Good
2	36-42	6	Good
3	52-55	3	Good
4	63-70	7	Good
5	76-89	13	Good
6	241-245	4	Moderate & Marginal
7	251-255	4	Good to Moderate
8	290-297	7	Moderate
9			

Note:-1) zone sl no 3 are fine sand in Nature.

2) Fine bands of kankar are intermixed with almost all the zone.

3) Quality of ground water is deteriorating Marginal to saline in between 120.0 to 231.0 m bgl.

4) Predominated clay and kankar intercalation is present in depth rang 231.0 to 241.0 & 247.0 to 250.0 m mbgl

Prepared & Proposed By

Checked By

Recommended By

Manager (G.W.)

Approved By

M/S NCC,
PROJECT (SWSM-Raebareli)

TPIA
(CEINSYS)

Junior Engineer
(UPJN)

Assistant Engineer
(UPJN)

Executive Engineer
(UPJN)

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP: PJM:22-23:LS: 17 /

Dated: 10-12-2022

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Asan Jagatpur
Block: Bachrawan
District: Raebareli
State: Uttar Pradesh
Date of Logging: 10-12-2022
Drilling Depth: 325.0 m bgl
Logging Depth: 310.0 m bgl
Rm - 13.0 Ω m Rw - 15.0 Ω m

Borehole Drilled by: M/s NCC Limited, Raebareli, 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 with respect to Salinity only:

Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	21 - 28	07	Good
2.	36 - 42	06	Good
3.	52 - 55	03	Good
4.	63 - 70	07	Good
5.	76 - 89	13	Good
6.	241 - 245	04	Moderate to Marginal
7.	251 - 255	04	Good to Moderate
8.	290 - 297	07	Moderate

Note: 1. Zone Sl. No. 3 is fine sand in Nature.

2. Fine bands of Kankar are intermixed with almost all the Zones.

3. Quality of Ground water is deteriorating Marginal to Saline in between 120.0 to 231.0 m bgl.

4. Predominated Clay and kankar intercalation is present in depth range 231.0 to 241.0 & 247.0 to 250.0 m bgl.

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)

Verified as per logs provided
GSh
12/12/22