



GRAM :- JAL NIGAM

Phone:- 0522 – 2620173, 2620272

UTTAR PRADESH JAL NIGAM

GEOPHYSICAL LOGGING REPORT

1. Name of the site:- Haraiya Satdharawa Zone 1, Block Haraiya Satdharwa
2. District:- Balrampur
3. Dt. Of logging:- 11.01.2021
4. Drilled depth(as reported by concerned JE):- 300.0 mbgl
5. Logged depth:- 300.0 mbgl
6. Logger used:- AquaXplore , Lucknow
7. Concerned JE :- Er. Satyam Mishra, JE
8. Based on the geophysical log interpretation following granular zones may be deciphered, particularly with respect to salinity of the formation water.

Sl. No.	Zones (mbgl)	Thickness(mts.)	Remarks
1	54.0-58.0	4.0	Good
2	59.0-66.0	7.0	CLAY
3	69.0-76.0	7.0	Good
4	78.0-81.0	3.0	CLAY
6	90.0-98.0	8.0	CLAY
7	100.0-104.0	4.0	Good
8	105.0-116.0	11.0	CLAY
9	117.0-121.0	4.0	Good
10	121.0-128.0	7.0	CLAY
11	129.0-133.0	4.0	Good
12	148.0-152.0	4.0	CLAY
13	158.0-162.0	4.0	Good
14	163.0-165.0	2.0	CLAY
15	166.0-169.0	3.0	Good

16	170.0-172.0	2.0	CLAY
17	185.0-190.0	5.0	Good
18	192.0-198.0	6.0	CLAY
19	219.0-227.0	8.0	Good
20	232.0-239.0	7.0	CLAY
21	252.0-262.0	10.0	Good
22	263.0-268.0	5.0	CLAY
23	269.0-272.0	3.0	Good

S. Sahai

(Dr. S.Sahai)

Manager (Groundwater)

c.c.

EE, CD(E/M), UPJN, Gonda for information and necessary action.

S. Sahai

Manager (Groundwater)

OFFICE OF THE EXECUTIVE ENGINEER,

CONSTRUCTION DIVISION (E/M), U.P. JAL NIGAM, GONDA

COMPLETION PLAN OF HARRAIYA SATGHARDAWIS SCHEME ZONE 170 DISTRICT BALRAMPUR
 TYPE OF RIG M/C R.C. RIG MACHINE SIZE OF BORE 500x500mm SIZE OF TW ASSEMBLY 200x150mm
 STATIC WATER LEVEL _____ NAME OF CONTRACTOR M/S. SHAKIL AHMED KHAN

J.E. Incharge SATYAM MISHRA

A.E. Incharge ET. JAGVANDAN

DEPTH B.G.L. METER	BORING CHART	STRATA	ASB	ASL	ASSEMBLY DETAILS
2.00m		SURFACE CLAY	3.07		200 m.m. Dia Housing Pipe AGLO.50 to 45.31 m BGL
17.00m	550mmφ	SANDY CLAY	6.11		m.m. Dia Housing Pipe BGL to m
		VERY VERY FINE SAND	6.13		m.m. Dia Housing Pipe to m
40.00m		KANKAR	6.11		200x150 m.m. Dia Reducer 45.31m BGL to 45.46 m BGL
53.00m		CLAY WITH KANKAR	6.09		150 m.m. Dia Plain Pipe 45.46m BGL to 69.50 m BGL
60.00m		FINE SAND	6.11		150 m.m. Dia Slotted Pipe 69.50m BGL to 75.60 m BGL
68.00m		CLAY	6.11		150 m.m. Dia Plain Pipe 75.60m BGL to 117.50 m BGL
77.00m		FINE SAND	6.08	45.31m	150 m.m. Dia Slotted Pipe 117.50m BGL to 120.51 m BGL
			6.10	45.46m	150 m.m. Dia Plain Pipe 120.51m BGL to 158.51 m BGL
100.00m		SANDY CLAY	6.12		150 m.m. Dia Slotted Pipe 158.51m BGL to 161.52 m BGL
115.00m		CLAY	6.10	69.50m	150 m.m. Dia Plain Pipe 161.52m BGL to 185.98 m BGL
122.00m		FINE SAND	6.03	75.60m	150 m.m. Dia Slotted Pipe 185.98m BGL to 188.99 m BGL
130.00m		CLAY	6.03		150 m.m. Dia Plain Pipe 188.99m BGL to 220.49 m BGL
135.00m		FINE SAND	5.67		150 m.m. Dia Slotted Pipe 220.49m BGL to 226.45 m BGL
150.00m	500mmφ	SANDY CLAY	6.02	117.50m	150 m.m. Dia Plain Pipe 226.45m BGL to 252.50 m BGL
163.00m		CLAY	6.12	120.51m	150 m.m. Dia Slotted Pipe 252.50m BGL to 261.52 m BGL
174.00m		FINE SAND	6.13		m.m. Dia Plain Pipe to m
184.00m		CLAY	6.11		m.m. Dia Slotted Pipe to m
192.00m		FINE SAND	6.10		m.m. Dia Plain Pipe to m
199.00m		SANDY CLAY	6.11		m.m. Dia Slotted Pipe to m
		CLAY	6.10	158.51m	m.m. Dia Plain Pipe to m
218.00m		FINE SAND	6.12	161.52m	m.m. Dia Slotted Pipe to m
228.00m		CLAY	6.11		m.m. Dia Plain Pipe to m
240.00m		SANDY CLAY	6.13		m.m. Dia Slotted Pipe to m
250.00m		CLAY	6.10	185.98m	m.m. Dia Plain Pipe to m
263.00m		FINE SAND	6.10	188.99m	m.m. Dia Slotted Pipe to m
270.00m		CLAY	6.10		m.m. Dia Plain Pipe to m
275.00m		SANDY CLAY	6.10		m.m. Dia Slotted Pipe to m
281.00m		CLAY	6.10		m.m. Dia Plain Pipe to m
290.00m		FINE SAND	6.10	220.49m	m.m. Dia Slotted Pipe to m
298.00m		CLAY	6.11	226.45m	m.m. Dia Plain Pipe to m
300.00m		SANDY CLAY	6.12		m.m. Dia Slotted Pipe to m
		CLAY	6.13		m.m. Dia Plain Pipe to m
		FINE SAND	6.15	252.50m	m.m. Dia Slotted Pipe to m
		CLAY	6.08	261.52m	m.m. Dia Plain Pipe to m
		CLAY	6.10	267.62m	m.m. Dia Slotted Pipe to m
		SANDY CLAY	6.10		m.m. Dia Plain Pipe to m
		CLAY WITH KANKAR	6.10		m.m. Dia Slotted Pipe to m

Total Assembly 268.12 m
 AGLO 0.50 m
 BGL 267.62 m

ABSTRACT

- 1- Drilling Started 31/12/2020
- 2- Date of Logging 11/01/2021
- 2- Date of Zone Testing 12/01/2021, 13/01/2021, 14/01/2021
- 2- Drilling Completed 26/01/2021
- 2- Date of Lowering 27/01/2021
- 3- Drilling Depth 300.00 m
- 4- Assembly Lowering 268.12 m
- 5- 200mm Housing Pipe 45.81 m
- 6- 150mm Plain Pipe 192.05 m
- 7- 150mm Slotted Pipe 30.11 m
- 8- 200mm Reducer 0.15 m
- 9- 90 mm PVC Pipe m

LOGGING REPORT on Dated 11/01/2021

- | | | |
|------------|------------|------------|
| 1- 54-51 | 8.117-121 | 15.170-172 |
| 2- 59-66 | 9.121-128 | 16.185-190 |
| 3- 69-76 | 10.129-133 | 17.192-198 |
| 4- 78-81 | 11.148-152 | 18.219-227 |
| 5- 90-98 | 12.158-162 | 19.232-239 |
| 6- 100-104 | 13.163-165 | 20.252-262 |
| 7- 105-116 | 14.166-169 | 21.263-268 |
| | | 22.269-272 |

ZONE TESTING (DEPTH IN M) on dtd

1. 252 mtr to 262 mtr on dtd 12/01/2021
2. 219 mtr to 227 mtr on dtd 13/01/2021
3. 69 mtr to 76 mtr on dtd 14/01/2021

(SATYAM MISHRA)
 Junior Engineer

(ET. JAGVANDAN)
 Assistant Engineer

(ET. SRIRAM GUPTA)
 Executive Engineer