

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/21-22/LB/ 41
 Dated: 29-11-2021

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Thawal
 Block: Payngpur
 District: Bahraich
 State: Uttar Pradesh
 Date of logging: 29-12-2021
 Drilling depth: 225.0 m bgl
 Logging Depth: 222.0 m bgl
 Rm - 18.0 Ω m Rw - 21.0 Ω m

Borehole Drilled by: M/s PNC Infratech.

Based on the Interpretation of Self Potential (SP), Short Normal (N-16"), Long Normal (N-64") and Natural Gamma Ray, geophysical logs following informations/granular zones have been deciphered:

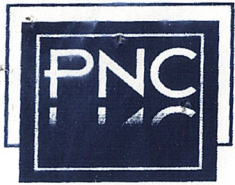
Sl. No.	Depth Range (mbgl)	Thickness (meter)	Inferred lithology	Remark (Quality of Aquifer Water)
1.	05 - 15	10	Surface Soil	-
2.	15 - 40	25	Sand	Good
3.	40 - 45	05	Clay	
4.	45 - 52	07	Sand	Good
5.	52 - 74	22	Fine Sand intermixed with Kankar	Good
6.	74 - 80	06	Prominent Clay	
7.	80 - 90	10	Sand	Good
8.	90 - 98	08	Sandy Clay	
9.	98 - 108	10	Sand	Good
10.	108 - 120	12	Prominent Clay	
11.	120 - 131	11	Sand	Good
12.	131 - 147	16	Clay	
13.	147 - 154	07	Fine Sand	Good
14.	154 - 159	05	Sandy Clay	
15.	159 - 172	13	Sand	Good
16.	172 - 180	08	Prominent Clay	
17.	180 - 184	04	Sand	Good
18.	184 - 192	08	Prominent Clay	
19.	192 - 197	05	Fine to medium Sand	Good
20.	197 - 201	04	Sandy Clay	
21.	201 - 211	10	Sand	Good
22.	211 - 217	06	Prominent Clay	
23.	217 - 222	05	Sand	Good

R. K. Bajpai
 R. K. Bajpai
 Hydrogeologist & Ground
 Water Consultant
 Retd. From UP Irrigation Dept.
 Lucknow

For Geo Instruments & Technic's

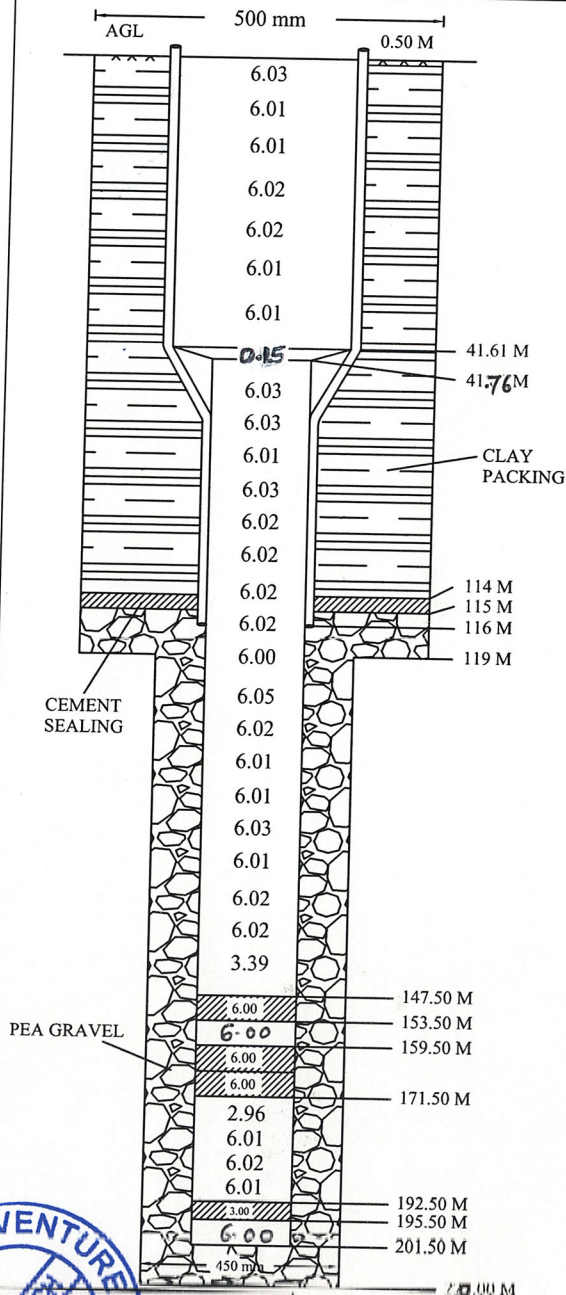
S. Shukla
 (S. Shukla)

Regional Office : V.I.P. Road Near Rakri Ka Pul, Alambagh, Lucknow - 226 005



ACTUAL T.W. ASSEMBLY CHART OF THAWAI W/S SCHEME BAHRAICH

UNDER JAL JEEVAN MISSION (BLOCK - PAYAGPUR)



Bore size - 500 mm X 450 mm
T.W. Assy - 200 mm X 150 mm
Discharge - 550 LPM/39 m

Logging Report : (29-12-2021)

- 1- 05-15M-10M (Surface soil)
- 2- 15-40M-25M
- 3- 40-45M-5M (Clay)
- 4- 45-52M-7M
- 5- 52-74M-22M
- 6- 74-80M-6M (Prominent clay)
- 7- 80-90M-10M
- 8- 90-98M-8M (Sandy clay)
- 9- 98-108M-10M
- 10- 108-120M-12M (Prominent clay)
- 11- 120-131M-11M
- 12- 131-147M-16M (Clay)
- 13- 147-154M-7M
- 14- 154-159M-5M (Sandy clay)
- 15- 159-172M-13M
- 16- 172-180M-8M (Prominent clay)
- 17- 180-184M-4M
- 18- 184-192M-8M (Prominent clay)
- 19- 192-197M-5M
- 20- 197-201M-4M (Sandy clay)
- 21- 201-211M-10M
- 22- 211-217M-6M (Prominent clay)
- 23- 217-222M-5M

DATE :-

Total = 201.50 + 0.50 (AGL)
= 202.00 M



JUNIOR ENGINEER
JUNIOR ENGINEER
DIVISION OFFICE (E/M)
U.P. JAL NIGAM RURAL GONDA

ASSISTANT ENGINEER
ASSISTANT ENGINEER
DIVISION OFFICE (E/M)
U.P. JAL NIGAM RURAL GONDA

EXECUTIVE ENGINEER

Mohd Tanveer
Mechanical Eng
TPI Bahraich