

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: PJM:21-22:LS: 37

Dated: 26-11-2021

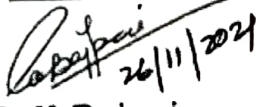
GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Gurchahl
Block: Payagpur
District: Bahraich
State: Uttar Pradesh
Date of logging: 26-11-2021
Drilling depth: 232.0 m bgl
Logging Depth: 230.0 m bgl
Rm - 9.4 Ω m Rw - 18.0 Ω m

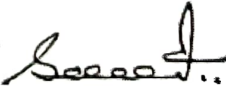
Borehole Drilled by: M/s PNC Infratech

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:

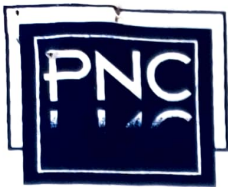
Sl. No.	Depth Range (mbgl)	Thickness (meter)	Inferred lithology	Remark (Quality of Aquifer Water)
1.	05 - 15	10	Surface Soil	
2.	15 - 20	05	Sand	Good
3.	20 - 25	05	Clay	
4.	25 - 38	13	Sand	Good
5.	38 - 75	37	Fine Sand intermixed with Kankar	Good
6.	75 - 100	25	Sand intermixed with Kankar	Good
7.	100 - 110	10	Prominent Clay	
8.	110 - 117	07	Sand	Good
9.	118 - 128	10	Prominent Clay	
10.	128 - 139	11	Fine Sand	Good
11.	139 - 181	42	Sand intermixed with fine bands of Kankar	Good
12.	181 - 190	09	Prominent Clay	
13.	190 - 205	15	Sand	Good
14.	205 - 211	06	Prominent Clay	
15.	211 - 216	05	Sandy Clay	
16.	216 - 223	07	Fine Sand intermixed with Kankar	Good


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Hydrogeologist & Ground
Water Consultant
Retd. From UP Irrigation Deptt.
Lucknow

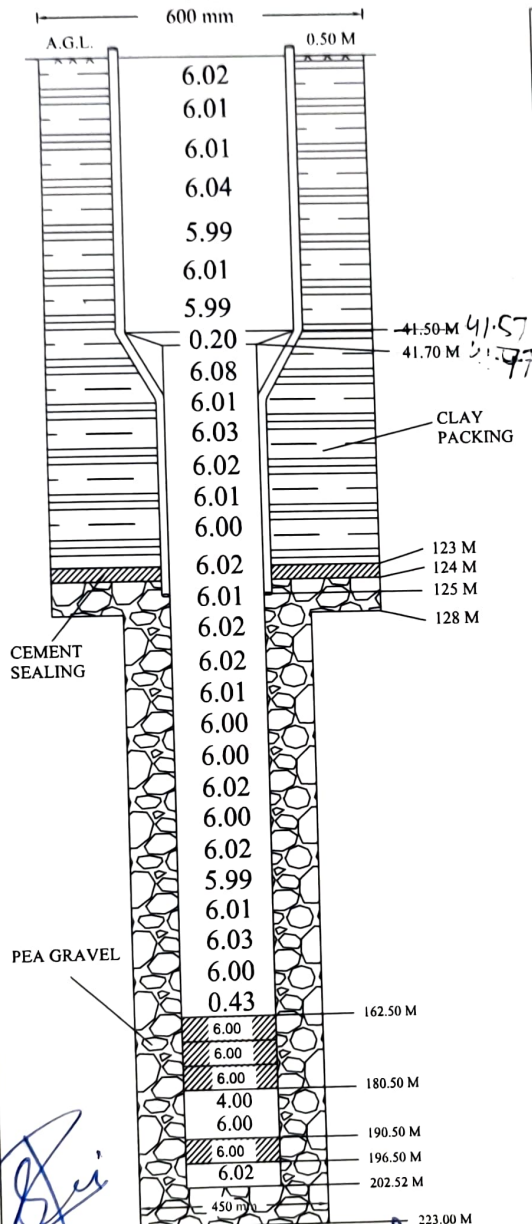
For Geo Instruments & Technic's


(S. Shukla)

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



ACTUAL T.W. ASSEMBLY CHART OF GURCHAHI W/S SCHEME BAHRAICH UNDER JAL JEEVAN MISSION (BLOCK- PAYAGPUR)



Bore Size- 600mm X 450mm
T.W. Assy - 300 mm X 150 mm
Discharge - 650 LPM/ 35M

Logging Report (02-12-2021) 26-1-2022

- 1- 15-20M-5M
- 2- 25-38M-13M
- 3- 38-75M-37M
- 4- 75-100M-25M
- 5- 110-117M-7M
- 6- 128-139M-11M
- 7- 139-181M-42M
- 8- 190M-205M-15M
- 9- 216-223M-7M

Clay Zone

- 1- 5-15M-10M
- 2- 20-25M-5M
- 3- 100-110M-10M
- 4- 118-128M-10M
- 5- 181-190M-9M
- 6- 205-211M-6M
- 7- 211-216M-5M

PNC-SPML JV
PNC Tower 3/22 - D
CIVIL LINE
Agra



JUNIOR ENGINEER

ASSISTANT ENGINEER

EXECUTIVE ENGINEER

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