

# 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:1K- 762  
Dated: 22-03-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Mehro Kalan  
Block: Lalaganj  
District: Azamgarh  
State: Uttar Pradesh  
Date of Logging: 21-03-2023  
Drilling Depth: 200.0 m bgl  
Logging Depth: 168.0 m bgl  
Rm - 15.0  $\Omega$ m Rw - 24.0  $\Omega$ m

Borehole Drilled by: M/s GAJA SGIPL Ltd. Azamgarh, 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)
<del>1.</del>	25 - 32	07	Good
<del>2.</del>	49 - 59	10	Good
<del>3.</del>	72 - 76	04	Good
<del>4.</del>	89 - 95	06	Good
<del>5.</del>	102 - 109	07	Good

- Note: ~~1.~~ Fine bands of kankar are intermixed with almost all the Zones.  
~~2.~~ Zones Sl. No. 3 is highly intermixed with fine bands of kankar.  
~~3.~~ Quality of ground water is deteriorating Marginal to Saline below 125.0 m bgl to till depth logged.

*Verified as per logs provided.*

*G.Sh  
22/03/23*

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)

**ESTIMATE FOR  
MAHRO KALA GRAM PANCHAYAT WATER SUPPLY SCHEME  
UNDER - JIM  
BLOCK - KALGANI, DISTRICT - AZAMGARH  
Estimate of Cost of Fabrication of construction**

		Discharge	550	LPM							
		Head	40	M							
		Drilling Depth of Tube well	275	M							
		Lifting of Tube well	250	M							
		Size of Tube well	200 x 150 mm								
No.	Item of work	No.	L	B	H/D	Qty	Rate	Unit	Amount	Remarks	
<b>1.00</b> <b>Drilling including string Frictionless, Friction, Encumbering with Landing and anti-siphoning of Rig and associated T&amp;P complete in all respect including required all material labour &amp; T&amp;P etc</b>											
1.1	Drilling up to 100Mtr					40	2,700.00	Rate	1,08,000.00		
1.2	Drilling from 101 Mtr To 200 Mtr Deep					100	2,700.00	Rate	2,70,000.00		
1.3	Drilling from 201 Mtr To 300 Mtr Deep					75	3,150.00	Rate	2,36,250.00		
1.4	Tube Well Assembly										
1.4.1	NPS 150 glass pipe As per IS 4278					84	2,419.76	Rate	2,03,820.64		
1.4.2	NPS 150 Flue sheet pipe As per IS 8118					24	3,067.08	Rate	73,609.92		
1.4.3	NPS 150 Flue sheet pipe As per IS 8118					8	3,817.50	Rate	30,540.00		
1.4.4	100 mm dia at clamp, half pipe, reducer, well cap, gaskets & support structure					1	1,117.50	Rate	1,117.50		
1.5	100 mm dia 10 Mtr. Ring made by 100 mm x 10 mm Flat					80	1,963.28	Rate	1,57,062.40		
1.6	100 mm dia 10 Mtr. Ring made by 100 mm x 10 mm Flat					24	1,264.67	Rate	30,352.08		
1.7	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50		

State Water Sanitation Mission (SWSM)

1.7.1	100 x 100 mm Rubber					1	4,112.00	Rate	4,112.00	
1.7.2	100 mm dia 10 Mtr. Ring					1	1,963.28	Rate	1,963.28	
1.7.3	100 mm dia 10 Mtr. Ring					1	1,264.67	Rate	1,264.67	
1.7.4	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.5	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.6	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.7	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.8	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.9	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.10	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.11	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.12	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.13	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.14	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.15	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.16	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.17	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.18	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.19	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.20	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.21	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.22	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.23	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.24	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.25	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.26	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.27	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.28	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.29	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.30	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.31	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.32	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.33	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.34	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.35	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.36	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.37	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.38	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.39	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.40	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.41	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.42	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.43	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.44	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.45	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.46	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.47	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.48	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.49	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.50	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.51	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.52	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.53	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.54	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.55	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.56	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.57	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.58	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.59	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.60	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.61	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.62	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.63	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.64	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.65	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.66	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.67	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.68	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.69	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.70	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.71	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.72	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.73	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.74	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.75	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.76	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.77	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.78	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.79	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.80	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.81	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.82	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.83	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.84	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.85	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.86	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.87	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.88	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.89	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.90	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.91	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.92	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.93	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.94	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.95	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.96	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.97	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.98	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.99	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.100	100 mm dia 10 Mtr. Ring					1	1,117.50	Rate	1,117.50	
1.7.101	100 mm dia 10 Mtr. Ring									

& 150 - 550 lpm  
 km - 2000/150 km  
 SP - 24.00 m

metode/kata ms schung an

