



GEO INSTRUMENTS & TECHNIC'S

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

Ref:GIT:UP: PJM:23-24:LS: 173

Dated: 16-04-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Mirzapur**
Block: **Lalganj**
District: **Azamgarh**
State: **Uttar Pradesh**
Date of Logging: **15-04-2023**
Logging Depth: **188.0 m bgl**
Drilling Depth: **200.0 m bgl**
Rm - **08.0 Qm** Rw - **09.0 Qm**

Borehole Drilled by: M/s GAJA SGIPL, Azamgarh, Uttar Pradesh, India.

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.	22 - 29	07	Good
2.	44 - 48	04	Good
3.	60 - 70	10	Good

Note: ~~1.~~ Zone Sl. No. 2 is highly intermixed with fine bands of Kankar.

~~2.~~ Quality of ground water is deteriorating Marginal to Saline below 92.0 m bgl to till depth logged.

~~3.~~ Please ensure pre-monsoon water level before lower the well assembly.

Verified as per logs provided
Note - SrNO₂ - fine in nature

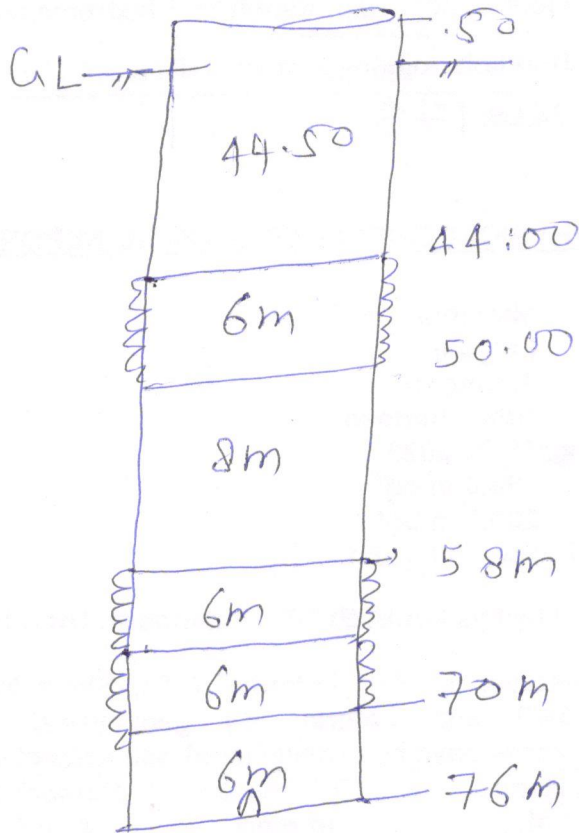
For Geo Instruments & Technic's

(S. Shukla)

G. Sh
17/04/23

G.P. - MIRZAPUR
BLOCK - LALGANJ

Proposed Azbly (300x300 mm m)



Act to PPR
DIS - 600 LPM
SIZE - (200 X 150)
SPT 29m

70
58
12

{ 44 - 50
58 - 70

Depth Range	Thickness
22 - 29	07
44 - 48	04
60 - 70	10

**ESTIMATE FOR
MIRZAPUR GRAM PANCHAYAT WATER SUPPLY SCHEME
UNDER - JJM
BLOCK- LALGANJ, DISTRICT- AZAMGARH
Estimate of Cost of Tubewell construction**

Discharge 600 LPM
Head 40 M
Drilling Depth of Tube well 275 M
Lowering of Tube well 250 M
Size of Tube well 200 x 150 mm

Sl No.	Item of work	No.	L	B	H/D	Qty	Rate	Unit	Amount	Remarks
1	DC/RC Drilling including Hiring Transportaion, Erection, Dismantling with Loading and unloading of Rig and associated T&P complete in all respect including required all material labour & T&P etc.									As per RFP.
1.1	DC/RC Drilling up to 100Mtr.									
1.1.1	500 MMO					60	2,709.57	Rmt	1,62,574.31	
1.1.2	450 MMO					40	2,448.06	Rmt	97,922.59	
1.2	DC/RC Drilling from 101 MT. To 200 Mtr.Deep									
1.2.1	450 MMO					100	2,766.85	Rmt	2,76,685.02	
1.2.2	Development / Flushing of tubewell						2,887.82	Hrs	-	
1.3	DC/RC Drilling from 201 MT. To 300 Mtr.Deep									
1.3.1	450 MMO					75	3,150.13	Rmt	2,36,260.02	
1.4	Tube Well Assembly									
	MISERW plain pipe As per IS 4270									
1.4.1	200 MMO								-	
1.4.2	150 MMO					54	2,539.29	Rmt	1,37,121.66	
	MISERW Pipe slotted pipe as per IS 8110					172	1,991.60	Rmt	3,42,555.20	
1.4.3	200 MMO									
1.4.4	150 MMO					0	3,817.70	Rmt	-	
	MS fittings such as clamp, bail plug, reducer, well cap, girder & support structure					24	3,067.06	Rmt	73,609.54	
	MS Ring-									
1.5.1	200 mm Ø MS Ring made by 150 mm x 12 mm Flat									
1.5.2	150 mm Ø MS Ring made by 150 mm x 12 mm Flat					10	1,593.28	No.	15,932.80	
	MS Bail plug As per IS 2800					34	1,264.67	No.	42,998.64	
1.5.3	150 mm Ø M.S. Bail Plug					1	1,717.76	No.	1,717.76	