

# 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:23-24:LS: 194  
Dated: 17-04-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Bansgaon**  
Block: **Tarwa**  
District: **Azamgarh**  
State: **Uttar Pradesh**  
Date of Logging: **16-04-2023**  
Drilling Depth: **165.0 m bgl**  
Logging Depth: **156.0 m bgl**  
Rm - ~~14.0 m~~ Rw - ~~12.0 m~~

Borehole Drilled by: M/s GAJA SGIPL, 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>	22 - 26	04	Good
<del>2.</del>	30 - 40	10	Good
<del>3.</del>	51 - 58	07	Good
<del>4.</del>	60 - 64	04	Good

- Note: ~~1.~~ Zone Sl. No. 3 & 4 are highly intermixed with fine bands of kankar.  
~~2.~~ Quality of Ground Water is deteriorating Marginal to Saline below 84.0 m bgl to till depth logged.  
~~3.~~ Fine bands of kankar are intermixed with almost all the zones.

*Verified as per logs provided*  
*GSh*  
*19/04/23*

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)

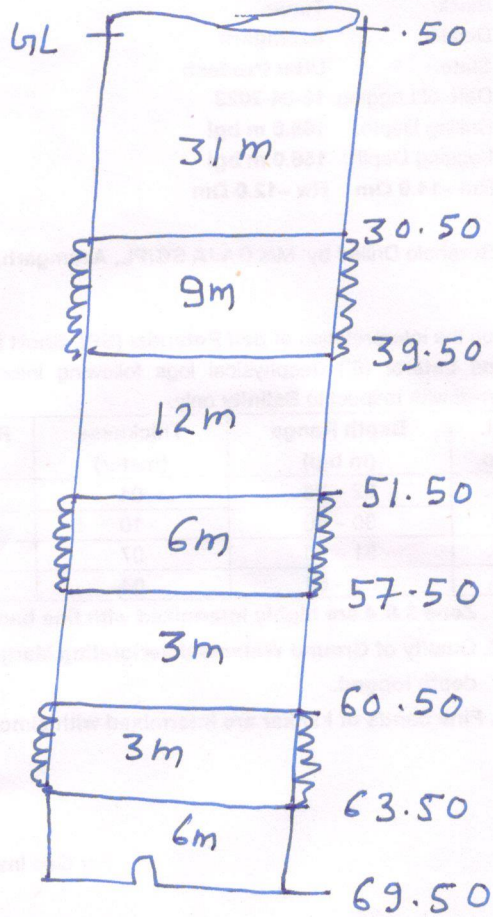
According to DPR

Dis  $\rightarrow$  600 LPM  
size  $\rightarrow$  200x150 ( $\phi$ )  
SP  $\rightarrow$  24 m

Proposed Assembly Size  
200x200 mm  $\phi$

GP- Banggolan  
Block - Tarwan

(200 mm throughout)



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

Discharge 600 LPM  
Head 50 M  
Drilling Depth of Tube well 200 M  
Lowering of Tube well 180 M  
Size of Tube well 200 x 150 mm

SI 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 assoiated 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 MMØ					60	2,709.57	Rmt	1,62,574.31	
1.1.2	450 MMØ					40	2,448.06	Rmt	97,922.59	
1.2	DC/RC Drilling from 101 MT. To 200 Mtr.Deep									
1.2.1	450 MMØ					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 MMØ						3,150.13	Rmt	-	
1.4	Tube Well Assembly									
	MSERW plain pipe As per IS 4270								-	
1.4.1	200 MMØ					54	2,539.29	Rmt	1,37,121.66	
1.4.2	150 MMØ					102	1,991.60	Rmt	2,03,143.20	
	MSERW Pipe slotted pipe as per IS 8110									
1.4.3	200 MMØ					0	3,817.70	Rmt	-	
1.4.4	150 MMØ					24	3,067.06	Rmt	73,609.54	
1.5	MS fittings such as clamp, bail plug, reducer, well cap, girder & support structure									
	MS Ring-									
1.5.1	200 mm Ø MS. Ring made by 150 mm x 12 mm Flat					10	1,593.28	No.	15,932.80	
1.5.2	150 mm Ø MS. Ring made by 150 mm x 12 mm Flat					22	1,264.67	No.	27,822.65	
	MS Bail plug As per IS 2800									
1.5.3	150 mm Ø M.S. Bail Plug					1	1,717.76	No.	1,717.76	