

**ESTIMATE FOR
THAKHA & RAMPUR JAMEEN PALHAN GROUP OF PANCHAYAT'S WATER SUPPLY SCHEME
UNDER - JJM
BLOCK- TARWAN, DISTRICT- AZAMGARH
Estimate of Cost of Tubewell construction**

Discharge 620 LPM
Head 52 M
Drilling Depth of Tube well 275 M
Lowering of Tube well 250 M
Size of Tube well 300 x 150 mm

Sl No.	Item of work	No.	L	B	H/D	Qty	Rate	Unit	Amount	Remarks
1	DC/RC Drilling including Hiring Transportation, 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	600 MMO					60	2,796.21	Rmt	1,67,772.38	
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									
	MSERW plain pipe As per IS 4270									
1.4.1	500 MMO					54	3,973.24	Rmt	2,14,555.07	
1.4.2	150 MMO					172	1,991.60	Rmt	3,42,555.20	
	MSERW Pipe slotted pipe as per IS 8110									
1.4.3	300 MMO					0	5,683.48	Rmt	-	
1.4.4	150 MMO					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	300 mm Ø MS. Ring made by 175 mm x 16 mm Flat					10	2,061.31	No.	20,613.06	
1.5.2	150 mm Ø MS. Ring made by 150 mm x 12 mm Flat					34	1,264.67	No.	42,998.64	
	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	

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: 137

Dated: 14-04-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Dhakha
Block: Tarwa
District: Azamgarh
State: Uttar Pradesh
Date of Logging: 13-04-2023
Drilling Depth: 190.0 m bgl
Logging Depth: 192.0 m bgl
Rm - 11.0 Ω m Rw - 14.0 Ω m

Borehole Drilled by: M/s GAJA SGIPL (GAJA SGIPL). Azamgarh, U. P.

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.	20 - 23	03	Good
2.	26 - 30	04	Good
3.	44 - 54	10	Moderate
4.	72 - 79	07	Good
5.	100 - 120	20	Good

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Zone Sl. No. 5 is highly intermixed with fine bands of kankar.
3. Quality of ground water is deteriorating marginal to saline below 126.0 m bgl to till depth logged.
4. Please ensure pre-monsoon water level before lower the well assembly.

Verified as per logs provided

*G.S.H.
15/04/23*

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)

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THU G.P. - Dhakka,
DAY 186-179 Block - Torwa.

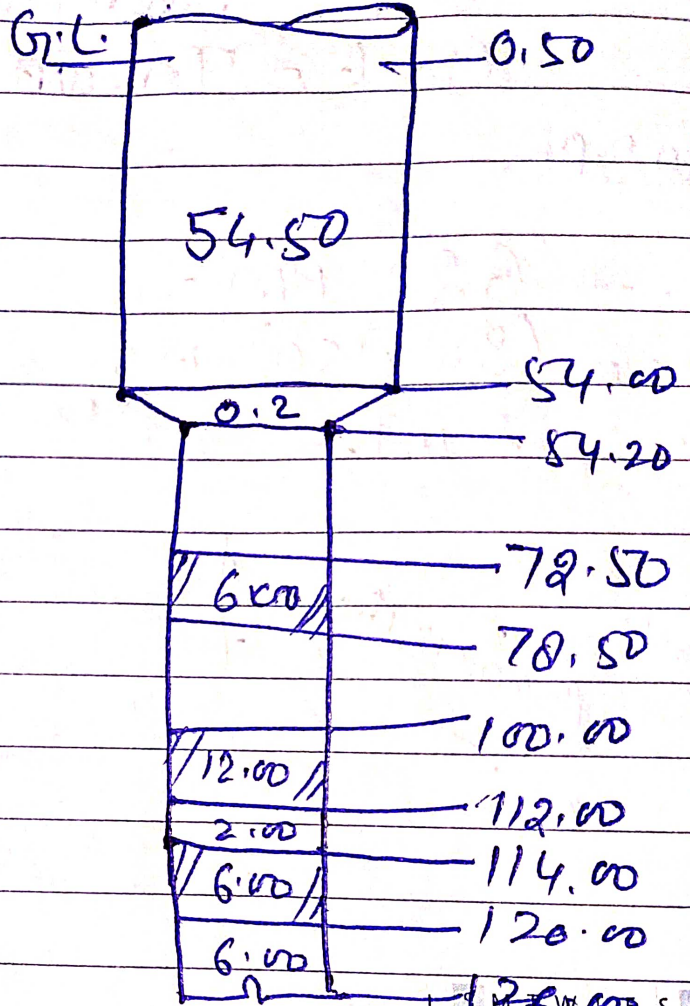
Acc. to DPR

Dis - 620 LPM

Size - (300 x 150) mm ϕ

S.P. - 24m.

Proposed Asses.
300 x 150 mm ϕ



J	M	T	W	T	F	S	S	M
U	1	2	3	4	5	6	7	8
L	15	16	17	18	19	20	21	22
	29	30	31					