



Aqua Xplore

(Groundwater Assessment & Allied Services)

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Ref 401 - D / AX - 2023

Date 01.04.2023

Geophysical Borehole Logging Report

Name of the site : Duhuru, Block – Tarwa

District : Azamgarh

Date : 01.04.2023

Depth logged : 200.0 mbgl

Depth drilled : 205.0 mbgl – as reported

Logger used : UPTRON make

Presence : Representative of M/S GAJA-SGIPL(JV), Azamgarh

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water;

Sl.No.	Depth range(mbgl)	Thickness(m)	Remarks
1	25.0--30.0	5.0	Good (1,2,3)
2	65.0--75.0	10.0	
3	80.0--85.0	5.0	Good to moderate
4	92.0--105.0	13.0	(4)

Note. All zones are intermixed with kankar. Quality of the formation water is deteriorating marginal to saline below 110.0 mbgl till depth logged.

for Aqua Xplore

CC;

M/S GAJA-SGIPL(JV), Azamgarh

**ESTIMATE FOR
DUIHARU & JAMIN SAKET GROUP OF PANCHAYAT'S WATER SUPPLY SCHEME
UNDER - JJM
BLOCK- TARWAN, DISTRICT- AZAMGARH
Estimate of Cost of Tubewell construction**

Discharge 690 LPM
Head 49 M
Drilling Depth of Tube well 200 M
Lowering of Tube well 180 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 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	600 MMØ					60	2,796.21	Rmt	1,67,772.38	
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									
	MISERW plain pipe As per IS 4270								-	
1.4.1	300 MMØ					54	3,973.24	Rmt	2,14,555.07	
1.4.2	150 MMØ					96	1,991.60	Rmt	1,91,193.60	
	MISERW Pipe slotted pipe as per IS 8110									
1.4.3	300 MMØ					0	5,683.48	Rmt	-	
1.4.4	150 MMØ					30	3,067.06	Rmt	92,011.92	
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					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	

SUN	MON	TUE	WED	THU	FRI	SAT	SUN
5	6	7	8	9	10	11	
12	13	14	15	16	17	18	
19	20	21	22	23	24	25	
26	27	28	29	30			

Date = 09/09/23
2023

Proposed Assembly Chart

As per DPR

Dudhewala / Tarwag

Discharge = 690 LPM
Size = 300 X 150 mm ϕ
Slotted = 30m

Proposed Assembly Size
300 X 150 mm ϕ

