

M/S Afcons Infrastructure Limited, Mumbai

Regd. Office- AFCONS House, 16, Shah Industrial Estate, Veera Desai Road, Azadnagar, Andheri (W), Mumbai 400013

Under Jal Jeevan Mission, District- Jaunpur (U.P.)

Actual TW Assembly of Sultanpur TW , Block- Dharmapur, Dist. Jaunpur

PHYSICAL STRATA

S.No.	BGL in meter		Formation
	From	to	
1	0	15	Surface soil
2	15	42	Very Fine sand
3	42	66	Clay
4	66	75	Medium sand
5	75	82	Clay
6	82	130	Medium sand
7	130	143	C.S.
8	143	153	Clay
9	153	192	C.S.
10	192	210	Caly
11	210	298	C.S.

Logging Report

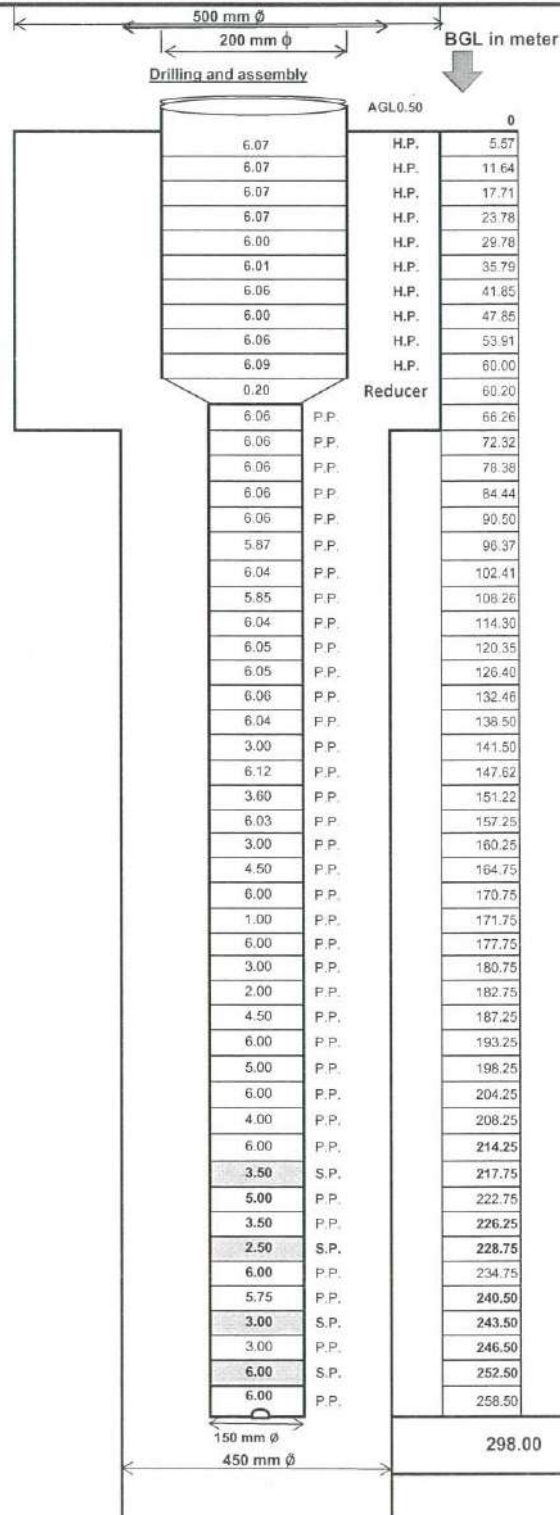
Date of Logging			24-05-2024		
S.N.	Depth (Mbgl)		Thickness (m)	Quality (In terms of Salinity)	Remark
	From	to			
1	16	20	4	Good	
2	35	42	7	Good to Moderate	
3	194	198	4	Moderate to Marginal	
4	214	218	4	Good	
5	226	229	3	Moderate	
6	240	244	4	Moderate	
7	246	253	7	Moderate	

Note-

1	Fine bands of Kankar are intermixed with almost all the zones.
2	Quality of ground water is deteriorating marginal to saline in between 52.0 to 189.0 & below 268.0 m bgl to till depth logged.
3	Predominated clay and Kankar intercalation is present in depth range 189.0 to 193.0 m bgl.
4	Predominated clay is present in depth range 208.0 to 219.0 m bgl.
5	Please ensure cpre-monsoon water level before lower the well assembly.

DETAILS

1	Date of lowering	10.11.2023
2	Depth of bore 500mm ϕ	66.00 Meter
3	Depth of bore 450mm ϕ	232.00 Meter
4	Housing pipe 200 mm ϕ	60.50 Meter
5	Plain pipe 150 mm ϕ	183.30 Meter
6	Slotted pipe 150 mm ϕ	15.00 Meter
7	200x150 mm ϕ Reducer	0.20 Meter
Total tubewell assembly		259.00 Meter



(Signature)
Company Repre.

M/s Afcons Infrastructure, Jaunpur
(U.P.)

(Signature)
TPIA

Medhaj Techno Concept Pvt. Ltd.,
Jaunpur

(Signature)
(Awadhesh Saroj)
Junior Engineer

(Signature)
(Sudhansu Singh)
Assistant Engineer SWSM

Division office(E & M, UP Jal Nigam (Rural) Varansi

(Signature)
(Adarsh Verma)
Exe. Engineer

PROPOSED/ACTUAL ASSEMBLY AND STRATA CHART AS PER LOGGING REPORT

M/s AFCONS INFRASTRUCTURE LTD. Mumbai.

Under Jal Jivan Mission

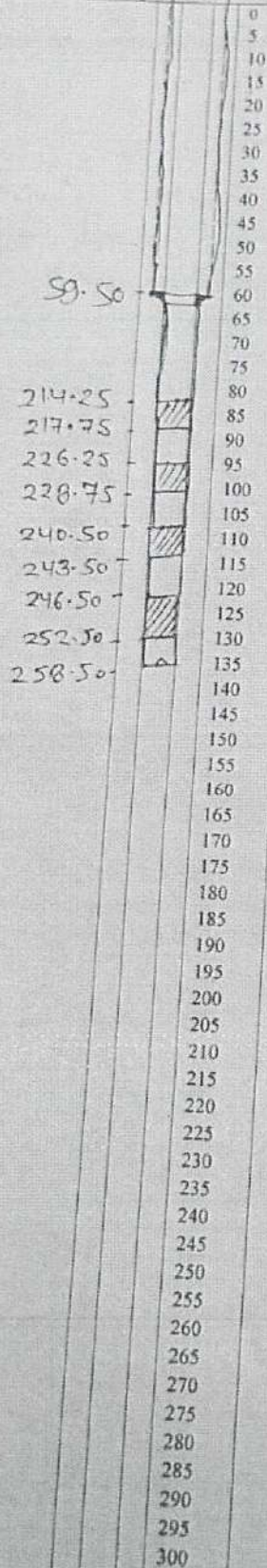
Contract for: Construction of Tube well

1 PM 500

Well Site: Gullabpura (Dharmapuri)

Name: THE EXECUTIVE ENGINEER, DIVISION OFFICE (E/M), U.P. JAL NIGAM (Rural) VARANASI.

AGL 0.50 Strata Formation



LOGGING REPORT		
Date	24-05-24	
Depth Range	Thickness	Remarks
16-20	4	Gravel
35-42	7	Gravel
194-198	4	Hard to dig
204-210	6	Gravel
226-229	3	Gravel
240-244	4	Hard to dig
246-253	7	↓

Drilling Started on	
Date of Lowering	

Tubewell Assembly	Dia	Length
Housing Pipe	200	60.00 mtr
Blind Pipe	150	183.80 mtr
Slotted Pipe	150	15.00 mtr
Reducer	200 x 150	0.20 mtr
TOTAL		259.00 mtr

Depth Drilled	
Bore	Size

TPIA

Company's Representative
M/s AFCONS
INFRASTRUCTURE LTD.
Mumbai.

Junior Engineer

Assistant Engineer

DIVISION OFFICE (E/M), U.P. JAL NIGAM (Rural) VARANASI.

Executive Engineer

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:24-25:LS: 74

Dated: 25-05-2024

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Sultanpur
Block: Dharmapur
District: Jaunpur
State: Uttar Pradesh
Date of Logging: 24-05-2024
Logging Depth: 298.0 m bgl
Rm - 8.0 Ω m Rw 9.0 Ω m

Latitude: 25.709022 Longitude: 82.732561

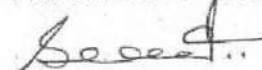
Borehole Drilled by: M/s Afcons Infrastructure Limited, Jaunpur, U. P.

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.	16 - 20	04	Good
2.	35 - 42	07	Good to Moderate
3.	194 - 198	04	Moderate to Marginal
4.	214 - 218	04	Good
5.	226 - 229	03	Moderate
6.	240 - 244	04	Moderate
7.	246 - 253	07	Moderate

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Quality of ground water is deteriorating marginal to saline in between 52.0 to 189.0 & below 268.0 m bgl to till depth logged.
3. Predominated clay and kankar intercalation is present in depth range 189.0 to 193.0 m bgl.
4. Predominated clay is present in depth range 208.0 to 213.0 m bgl.
5. Please ensure pre-monsoon water level before lower the well assembly.

For Geo Instruments & Technic's


(S. Shukla)

**ESTIMATE FOR
SULTANPUR VILLAGE WATER SUPPLY SCHEME
UNDER SWSM
BLOCK- DHARMAPUR, DISTRICT- JAUNPUR
ESTIMATE & DETAILED MEASUREMENT FOR TUBEWELL CONSTRUCTION**

Discharge 501 LPM
Head 48 M
Drilling depth of Tube well 300 M
Lowering of Tube well 270 M
Size of Tube well 200 x150mm

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 assosiated 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	Tube well construction - 500 MMØ	66				66	2721.00	Mtr.	1,79,586.00	
1.1.2	Tube well construction - 450 MMØ	34				34	2458.39	Mtr.	83,585.26	
1.2	DC/RC Drilling from 101 MT. To 200 Mtr.Deep									
1.2.1	450 MMØ	100				100	2778.52	Mtr.	2,77,852.00	
1.3	DC/RC Drilling from 201 Mtr. To 300 Mtr.Deep									
1.3.1	450 MMØ	100				100	3163.42	Mtr.	3,16,342.00	
1.4	DC/RC Drilling from 301 Mtr. To 400 Mtr.Deep & above									
1.4.1	450 MMØ	0				0	3708.29	Mtr.	-	
1.4.2	Development / Flushing of tube well	0				0	2900.00	Hrs	-	
2	Tube Well Assembly								-	
2.1	MSERW plain pipe,As per IS 4270								-	
2.1.1	200 MMØ	60				60	2550.00	Mtr.	1,53,000.00	
2.1.2	150 MMØ	192				192	2000.00	Mtr.	3,84,000.00	
2.2	MSERW Pipe slotted pipe as per IS 8110									
2.2.1	150 MMØ	18				18	3080.00	Mtr.	55,440.00	
2.3	150 mm Ø MS. Ring made by 150 mm x 12 mm Flat	44				44	1270.00	Nos.	55,880.00	
2.4	200 mm Ø MS. Ring made by 150 mm x 12 mm Flat	10				10	1600.00	Nos.	16,000.00	
2.5	150 mm Ø M.S. Bail Plug	1				1	1725.00	Nos.	1,725.00	
2.6	200 x 150 mm Reducer	1				1	4150.00	Nos.	4,150.00	
2.7	200 mm Ø MS S.I. Clamp	1				1	2000.00	Nos.	2,000.00	
2.8	200 mm Ø Tubewell Assembly Support	1				1	15500.00	Nos.	15,500.00	
2.9	200 mm Ø MS Well Cap	1				1	1350.00	Nos.	1,350.00	
2.10	Center guide for 150mm ØTW Assembly	18				18	920.00	Nos.	16,560.00	
3	Lowering of above Tube well assembly including Carting upto site and welding of parts complete in all respect with all required material T&P labour etc.									As per RFP.
3.1	Lowering up to 100 Mtr. Deep									
3.1.1	200 MMØ MSERW Plane/Slotted Pipe	60				60	396.00	Mtr.	23,760.00	
3.1.2	150 MMØ MSERW Plane/Slotted Pipe	40				40	319.00	Mtr.	12,760.00	
3.2	Lowering from 101 Mtr. To 200 Mtr. Deep									
3.2.1	150 MMØ MSERW Plane/Slotted Pipe	100				100	407.00	Mtr.	40,700.00	
3.3	Lowering from 201 Mtr. To 300 Mtr. Deep									
3.3.1	150 MMØ MSERW Plane/Slotted Pipe	70				70	473.00	Mtr.	33,110.00	
3.4	Lowering from 301 Mtr. To 400 Mtr. Deep & above									
3.4.1	150 MMØ MSERW Plane/Slotted Pipe	0				0	490.51	Mtr.	-	
4	Supplying and unconsolidated packing of gravel with suitable size	1	65			65	7500.00	Cum	4,87,500.00	As per RFP.
5	Development of Tube well									
5.1	600 PSI Compressor per hour	40				40	5000.00	Hrs	2,00,000.00	