

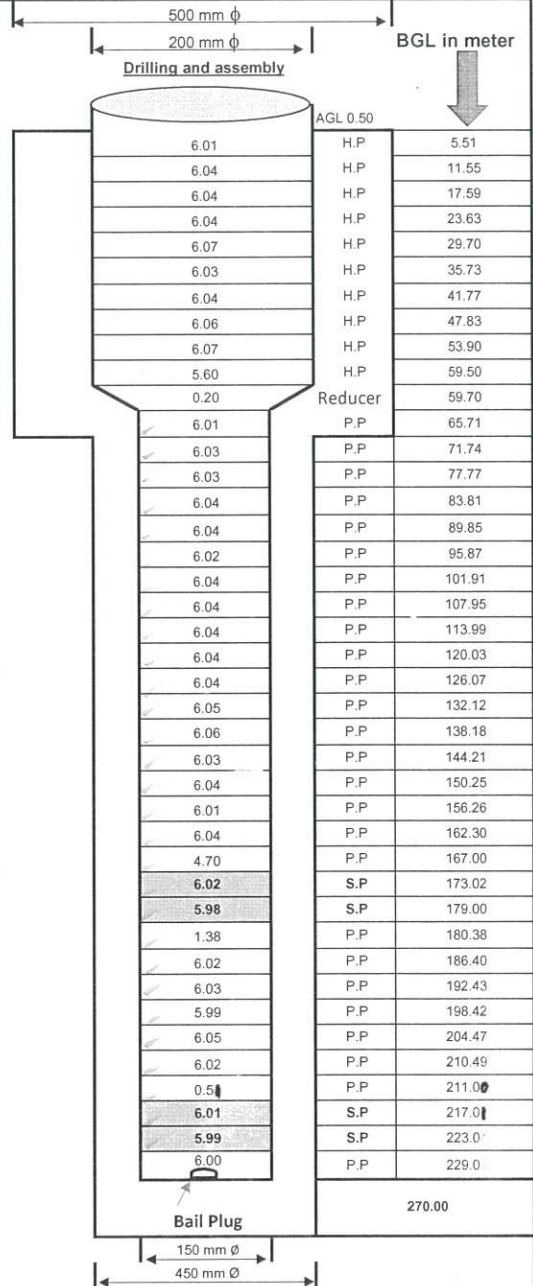
M/S Afcons Infrastructure Limited, Mumbai

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 GP-Kharchalpur TW , Block-Sirkoni, Dist. Jaunpur

PHYSICAL STRATA			
S.No.	BGL in meter		Formation
	From	to	
1	0	25	S. Soil
2	25	100	M. Sand
3	100	165	Clay + Kankar
4	165	180	F. Sand + Kankar
5	180	210	Clay + Kankar
6	210	230	M. Sand + Kankar
7	230	270	C.S.



Logging Report				
Date of Logging:				10-03-2024
S.N.	Depth (Mbgf)		Thickness (m)	Expected Water Quality
	From	to		
1	14	20	6	Good
2	166	181	15	Moderate
3	211	223	12	Good to Moderate
4	225	231	6	Moderate
5	246	253	7	Moderate

- Note:**
1. Fine bands of kankar are intermixed with almos. ail zones.
 2. The formation water may deteriorate at depth range between 26.0 to 151.0 M BGL.
 3. Please ensure pre-monsoon water level before lowering the well assembly.

Reaming Details			
S.No.	Date of lowering		
1	Depth of bore 500mm ϕ		66.00 M
2	Depth of bore 450mm ϕ		204.00 M
Pipe Lowering Details			
3	Housing pipe 200 mm ϕ		60.00 M
4	Plane pipe 150 mm ϕ		145.30 M
5	Slotted pipe 150 mm ϕ		24.00 M
6	200x150 mm ϕ Reducer		0.20 M
Total			229.50 M

 Company Repre. M/S Afcons Infrastructure Ltd Jaunpur (U.P.)	 TPIA Medhaj Techno Concept Pvt. Ltd., Jaunpur	 (Aditya Singh) Junior Engineer	 (Sudhanshu Singh) Assistant Engineer, SWSM	 (Adarsh Verma) Exe. Engineer
Division Office (E&M), U.P. Jal Nigam (Rural), Varanasi				



GEOTECH ENTERPRISE

A Ground Water Exploration Technic's & Consultancy Service

Mob. No.: - +91 8511223845 / 8200396696 / 9106686592 E-mail: geoservices2018@gmail.com

Ref./ UP-296/ 03 – 2024

Dated: 11-03-2024

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site : Kharchalpur
Block : Sirkoni
District : Jaunpur
State : Uttar Pradesh
Date of Logging : 10-03-2024
Drilling Depth : 300.0 m bgl
Logging Depth : 270.0 m bgl
Borehole Drilled by : **AFCONS Infrastructure Ltd., 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 information/granular zones have been deciphered with respect to **Salinity** only:

Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
01	14 – 20	06	Good
02	166 – 181	15	Moderate
03	211 – 223	12	Good to Moderate
04	225 – 231	06	Moderate
05	246 – 253	07	Moderate

Note:

- 1) Fine bands of Kankar are intermixed with almost all zones
- 2) The formation water may deteriorate at depth range between 26.0 to 151.0 m bgl
- 3) Please ensure pre – monsoon water level before lowering the well assembly



For Geotech Enterprise

Avinash Goswami
Geologist

M/s AFCONS INFRASTRUCTURE LTD. Mumbai.

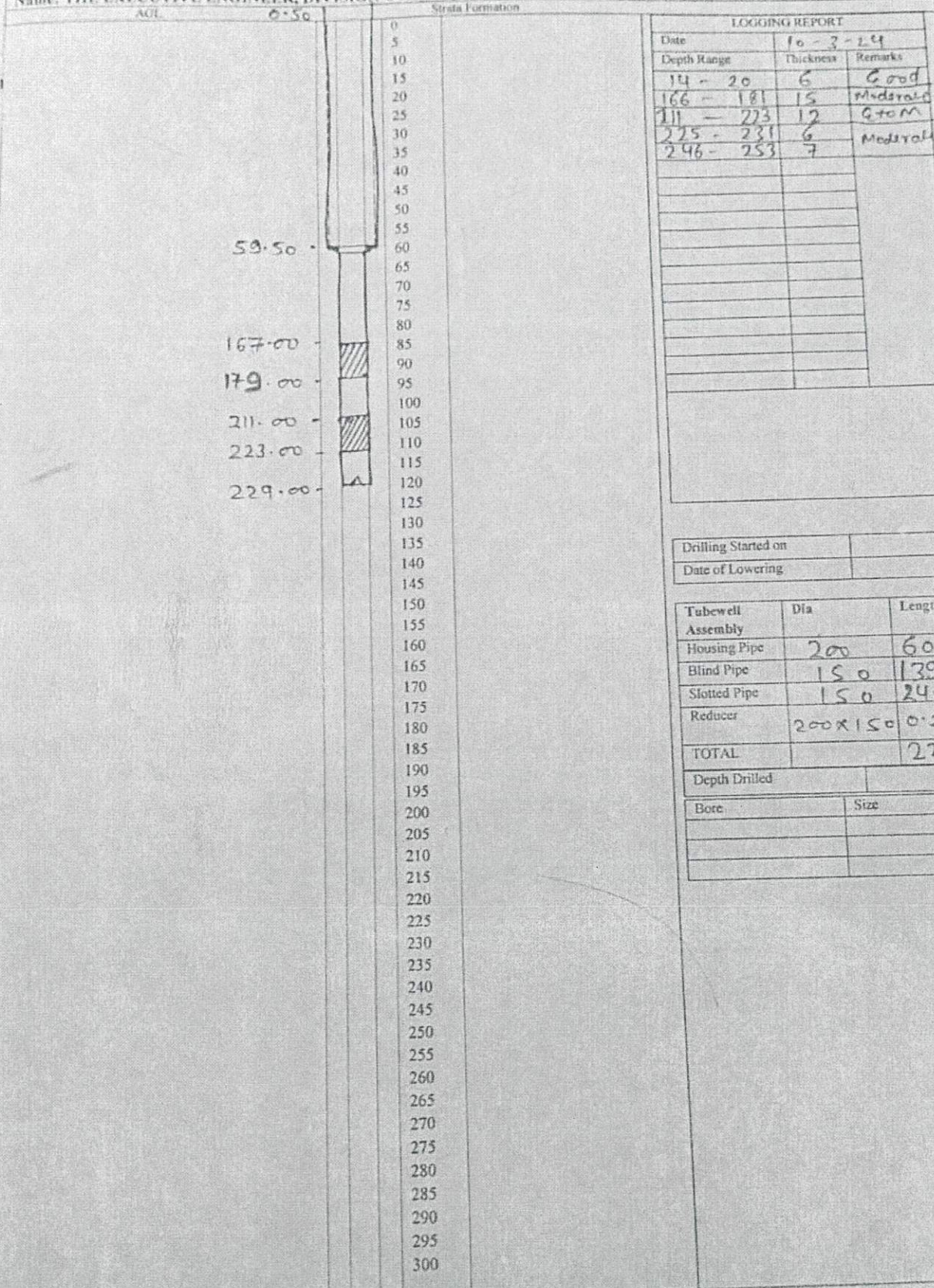
Under Jal Jivan Mission

LPM-570

Contract for: Construction of Tube well

Well Site: Khar chaura (Sikroni)

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



TPIA

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

(Signature)

Junior Engineer

Assistant Engineer

Executive Engineer

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

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

Discharge 570 LPM
Head 46 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 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	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	186				186	2000.00	Mtr.	3,72,000.00	
2.2	MSERW Pipe slotted pipe as per IS 8110									
2.2.1	150 MMØ	24				24	3080.00	Mtr.	73,920.00	
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	
5.2	Charges for Development of TW by 1.0 Cusec OP Unit	70				70	1125.00	Hrs	78,750.00	