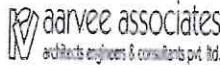




**KALPA-TARU**

KALPATARU POWER TRANSMISSION LIMITED



aarvee associates  
architects engineers & consultants pvt. ltd.



**PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL**

District:- Aligarh Block:- Tappal Scheme:- ATARI

Rig No/ Type DC:- DC Size of Bore:- 500mm x 500mm

Under:- JJM Assembly Size:- 200mm x 200mm Required LPM:- 410

Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL	<u>0.5</u>		Drilling Started Date:- <u>25/12/2023</u>
		Pipe No. =	DPR Drilling Depth:- <u>110 MTR</u>
		Pipe No. =	Logging Started Date:- <u>30/12/2023</u>
		Pipe No. =	Logging Completed Date:- <u>30/12/2023</u>
		Pipe No. =	Lowering Started Date :- <u>01/01/2024</u>
		Pipe No. =	Lowering Completed Date :- <u>01/01/2024</u>
		Pipe No. =	Housing Pipe Φ :- MM M
		Pipe No. =	Above AGL Φ :- <u>200 MM</u> <u>0.55</u> M
		Pipe No. =	Plain Pipe Φ :- <u>200 MM</u> <u>36.05</u> M
		Pipe No. =	Slotted Pipe Φ :- <u>200 MM</u> <u>15.00</u> M
		Pipe No. =	Lowered Assembly:- <u>50.50</u> M
		Pipe No. =	Total Assembly+ AGL :- <u>50.50+0.50</u> M
		Pipe No. =	Actual Drilling Depth:- <u>110 MTR</u> M
		Pipe No. =	MS H Frame:- <u>200mm Ø, 1NØ</u>
		Pipe No. =	MS Ring:- <u>200 mm Ø, 10 NØ</u>
		Pipe No. =	MS Reducer:- <u>-</u>
		Pipe No. =	MS Bail Plug:- <u>200mm Ø, 1 NØ</u>
		Pipe No. =	MS Clamp:- <u>200mm Ø, 1 NØ</u>
		Pipe No. =	MS Well Cap:- <u>200mm Ø, 1 NØ</u>
		Pipe No. =	Centre Guide:- <u>200mm Ø, 3 NØ</u>
	<u>6.02</u>	Pipe No. = <u>11<sup>th</sup></u>	
	<u>6.01</u>	Pipe No. = <u>10<sup>th</sup></u>	
	<u>2.50</u>	Pipe No. = <u>9<sup>th</sup></u>	
	<u>6.02</u>	Pipe No. = <u>8<sup>th</sup></u>	
MSRW SLOTTED	<u>6.00</u> <u>20.00</u>	Pipe No. = <u>7<sup>th</sup></u>	
	<u>6.00</u> <u>26.00</u>	Pipe No. = <u>6<sup>th</sup></u>	
	<u>1.50</u> <u>33.50</u>	Pipe No. = <u>5<sup>th</sup></u>	
MSRW SLOTTED	<u>6.00</u>	Pipe No. = <u>4<sup>th</sup></u>	
MSRW SLOTTED	<u>6.00</u> <u>42.50</u>	Pipe No. = <u>3<sup>rd</sup></u>	
	<u>2.00</u>	Pipe No. = <u>2<sup>nd</sup></u>	
Bail Plug	<u>6.00</u> <u>50.50</u>	Pipe No. = <u>1<sup>st</sup></u>	

Amit Ranjan Kumar  
Contractor Representative

Adnan  
TPI Representative

Client Representative

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- ATARI, BLOCK- TAPPAL, DISTT- ALIGARH UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 mtrs. at above site. Was drilled by M/s Kalpataru Power Transmission limited, Aligarh.

On the request of M/s Kalpataru Power Transmission limited, Aligarh. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 30.Dec.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 11.20 Ohms.

Drilling Water Resistivity = 12.50 Ohms.

Approx Water Level = 15 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 11	6	Clay kankar	
3.	11 - 15	4	Fine sand	
4.	15 - 20	5	Clay kankar	
5.	20 - 26	6	Fine to Medium sand	Med to Marginally
6.	26 - 34	8	Clay kankar	
7.	34 - 42	8	Fine to Medium sand	Med to Marginally
8.	42 - 58	16	Clay kankar	
9.	58 - 66	8	Fine sand	Saline
10.	66 - 75	9	Clay kankar	
11.	75 - 83	8	Fine sand	Saline
12.	83 - 110	27	Clay kankar	

G.P. : Atari  
 Block : Tappal  
 Required : 420 LPM

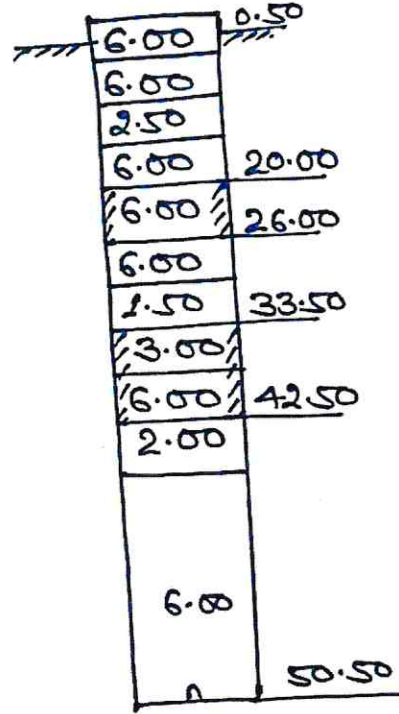
District : Aligarh

300mm dia Plain Pipe : X  
 200mm dia Plain Pipe : 82  
 200mm dia Slotted Pipe : 28  
100 mtr

Water Level → 35 feet

Streta :-

20-26 → 06 mtr  
 34-42 → 08 mtr



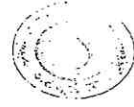
Note → ① 52 मी० से 57 मी० के मध्य cement sealing करनी होगी।  
 ② इस नलकूप का शुगतान satisfactory Water Test Report प्राप्त होने के पश्चात सम्भव होगा।

300mm dia Plain Pipe : X  
 300X200 mm Reducer : X  
 200mm dia Plain Pipe : 26.00 mtr  
 200mm dia Slotted Pipe : 15.00 mtr

Total	: 51.00 mtr
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KALPA-TARU



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No: JIM/ALIGARH/KPIL/01

RFI no: JIM/ALIGARH/KPIL/...

Date: 01/01/2024

Contractor Name: KALPATARU PROJECTS INTERNATIONAL LIMITED

LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022

Location of Work

DISTRICT:- ALIGARH

BLOCK: Tappal

SCHEME: ATari

Following civil items are ready for inspection:

SBC	<input type="checkbox"/>	Tube Well	<input checked="" type="checkbox"/>	Excavation	<input type="checkbox"/>	PCC	<input type="checkbox"/>	RCC	<input type="checkbox"/>
Drilling	<input type="checkbox"/>	Logging	<input type="checkbox"/>	Lowering	<input checked="" type="checkbox"/>	OP Unit	<input type="checkbox"/>	Column	<input type="checkbox"/>
Shuttering	<input type="checkbox"/>	Brick Work	<input type="checkbox"/>	Plaster Work	<input type="checkbox"/>	Painting	<input type="checkbox"/>	Stand Post	<input type="checkbox"/>
Rising Main	<input type="checkbox"/>	Backfilling	<input type="checkbox"/>	M.S. Wicket Gate/ Window	<input type="checkbox"/>			Interlocking Tile	<input type="checkbox"/>
HDPE Pipeline	<input type="checkbox"/>	Others							

Following Mechanical, Electrical, C&I items are ready for inspection:

Instrumentation	<input type="checkbox"/>	Welding	<input type="checkbox"/>	Valves	<input type="checkbox"/>	Chain Pully	<input type="checkbox"/>	DG Set	<input type="checkbox"/>
Pump Set	<input type="checkbox"/>	Stabilizer	<input type="checkbox"/>	Pannel	<input type="checkbox"/>	Sluar	<input type="checkbox"/>	Chlorinating Plant	<input type="checkbox"/>
Lighting	<input type="checkbox"/>	EMF Meter	<input type="checkbox"/>	Level / Pressure Transmitter	<input type="checkbox"/>			RTU	<input type="checkbox"/>
Earthing cable	<input type="checkbox"/>	Starter	<input type="checkbox"/>	Piping- DI ( ) HDPE ( ) MS ( ) MDPE ( )				Others	<input type="checkbox"/>

Work Description :

Tubewell ms pipe lowering work  
Required discharge - 410 lpm  
Assembly Size - 200 mm ø x 200 mm ø

On Date: 01/01/2024

Time: 10:00 AM

Submitted By: AMIT RANJAN KUMAR

Date: 01/01/2024 Time 10:00 AM

Sign: Amit Ranjan Kumar

TPI (Aarvee)

Received By

Date

Time

Sign

Comments :

Civil Department		E&M, I/C Department	
NAME :	<input type="checkbox"/> APPROVED	NAME :	<input type="checkbox"/> APPROVED
DESIG :	<input type="checkbox"/> APPROVED AS NOTED	DESIG :	<input type="checkbox"/> APPROVED AS NOTED
SIGN :	<input type="checkbox"/> REJECTED	SIGN :	<input type="checkbox"/> REJECTED