



**KALPA-TARU**

KALPATARU POWER TRANSMISSION LIMITED

arvee associates  
architects engineers & consultants pvt. ltd.



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

District:- Aligarh	Block:- TAPPAL	Scheme:- KURANA
Rig No/ Type DC:- PC		Size of Bore:- 500
Under:- JJM	Assembly Size:- 200x200 mm $\phi$	Required LPM:- 840
Contractor:- KPTL		

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL	0.5	Pipe No. =	Drilling Started Date:- 26/6/23
		Pipe No. =	DPR Drilling Depth:- 12PM
		Pipe No. =	Logging Started Date:- 28/6/23
		Pipe No. =	Logging Completed Date:- 28/6/23
		Pipe No. =	Lowering Started Date :- 02/7/23
		Pipe No. =	Lowering Completed Date :- 02/7/23
		Pipe No. =	Housing Pipe $\phi$ :- MM M
		Pipe No. =	Above AGL $\phi$ :- 200 MM 0.5 M
		Pipe No. =	Plain Pipe $\phi$ :- 200 MM M
		Pipe No. =	Slotted Pipe $\phi$ :- 200MM M
		Pipe No. =	Lowered Assembly:- 52.02 M
		Pipe No. =	Total Assembly+ AGL :- 52.02+0.5 M
		Pipe No. =	Actual Drilling Depth:- 128 M
		Pipe No. =	MS H Frame:- 01
		Pipe No. =	MS Ring:- 200mm $\phi$ 1 9
		Pipe No. =	MS Reducer:-
		Pipe No. =	MS Bail Plug:- 01
		Pipe No. =	MS Clamp:- 01
		Pipe No. =	MS Well Cap:- 01
		Pipe No. =	Centre Guide:- 02
		Pipe No. =	
	6.00	Pipe No. = 10, 200 mm $\phi$	
	6.00	Pipe No. = 9, 200 mm $\phi$	
	2.47	Pipe No. = 8, 200 mm $\phi$	
	6.02	Pipe No. = 7, 200 mm $\phi$	
LCH	5.00	Pipe No. = 6, 200 mm $\phi$	
	20.00		
	25.00		
	6.00	Pipe No. = 5, 200 mm $\phi$	
LCH	6.00	Pipe No. = 4, 200 mm $\phi$	
	31.00		
	37.00		
LCH	6.00	Pipe No. = 3, 200 mm $\phi$	
	43.00		
	46.00	Pipe No. = 2, 200 mm $\phi$	
	52.02	Pipe No. = 1, 200 mm $\phi$	
Bail Plug	6.02		

*Amit Ranjan Kumar*  
Contractor Representative

*Adhruv*  
TPI Representative

Client Representative

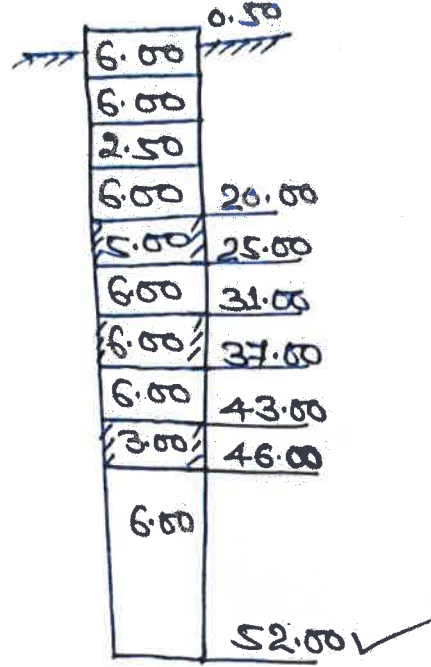
G.P. : Kuranq,  
 Block : Tappal,  
 Required : 840 LPM

District : Aligarh.

300mm dia Plain Pipe : 48  
 200mm dia Plain Pipe : 38  
 200mm dia Slotted Pipe : 24  
110mtr

Streta :-

20-25 → 05mtr  
 31-37 → 06mtr  
 43-46 → 03mtr



Note- ① पर्याप्त स्ट्रेट्स प्राप्त न होने के कारण 300x200 mm शंशु के स्थान पर 200x200 mm शंशु के नलकूप का निर्माण करना उचित होगा  
 bore शंशु 500 mm का रखना है  
 ② cement sealing करानी होगी

300mm dia Plain Pipe : X  
 300X200 mm Reducer : X  
 200mm dia Plain Pipe : 38.50 mtr  
 200mm dia Slotted Pipe : 14.00 mtr  
Total : 52.50 mtr

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 128 mtrs. depth. and Logged depth 120 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 is conduct at above bore hole using IGIS Well Logger on 28.Jun.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 = 13.09 Ohms.

Drilling Water Resistivity = 14.42 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 13	3	Medium sand	
4.	13 - 20	7	Clay kankar	
5.	20 - 25	5	Medium sand	Medium
6.	25 - 31	6	Clay kankar	
7.	31 - 37*	6	Medium sand	Medium
8.	37 - 43	6	Clay kankar	
9.	43 - 46	3	Fine sand	Med to Marginally
10.	46 - 53	7	Clay kankar	
11.	53 - 56	3	Sand & kankar	Marginally saline
12.	56 - 69	13	Clay kankar	
13.	69 - 73	4	Fine sand	Marginally saline
14.	73 - 120	47	Clay kankar	





PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01 RFI no: JJM/ALIGARH/KPTL/ Date : 25/06/23

Contractor Name: Kalpataru Power Transmission Limited. LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022

Location of Work

DISTRICT: ALIGARH BLOCK: TAPPAL SCHEME: KURANA

Following civil items are ready for inspection : Date :
SBC [ ] Tube Well [ ] Excavation [ ] PCC [ ] RCC [ ]
Drilling [x] Logging [ ] Lowering [ ] OP Unit [ ] Column [ ]
Shuttering [ ] Brick Work [ ] Plaster Work [ ] Painting [ ] Stand Post [ ]
Rising Main [ ] Backfilling [ ] M.S. Wicket Gate/ Window [ ] Interlocking Tile [ ]
HDPE Pipeline [ ] Others [ ]

Following Mechanical, Electrical, C&I items are ready for inspection : Date :
Instrumentation [ ] Welding [ ] Valves [ ] Chain Pully [ ] DG Set [ ]
Pump Set [ ] Stabilizer [ ] Pannel [ ] Sloar [ ] Chlorinating Plant [ ]
Lighting [ ] EMF Meter [ ] Level / Pressure Transmitter [ ] RTU [ ]
Earthing cable [ ] Starter [ ] Piping- DI ( ) HDPE ( ) MS ( ) MDPE ( ) Others [ ]

Work Description :
Rig machine installation and drilling work.

On Date : 25/6/23 Time : 10:00AM
Submitted By RAMANAND Date: Time 10.00 AM Sign Ramanand

TPI (Aarvee)
Recieved By Date Time Sign

Comments :

Civil Department E&M, I/C Department
NAME : [ ] APPROVED NAME : [ ] APPROVED
DESIG : [ ] APPROVED AS NOTED DESIG : [ ] APPROVED AS NOTED
SIGN: [ ] REJECTED SIGN: [ ] REJECTED



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/

Date : 28/6/23

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: TAPPAL SCHEME: KURANA

Following civil items are ready for inspection :

Date :

- SBC, Tube Well, Excavation, PCC, RCC, Drilling, Logging, Lowering, OP Unit, Column, Shuttering, Brick Work, Plaster Work, Painting, Stand Post, Rising Main, Backfilling, M.S. Wicket Gate/ Window, Interlocking Tile, HDPE Pipeline, Others

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

Date :

- Instrumentation, Welding, Valves, Chain Pully, DG Set, Pump Set, Stabilizer, Pannel, Sloar, Chlorinating Plant, Lighting, EMF Meter, Level / Pressure Transmitter, RTU, Earthing cable, Starter, Piping- DI, HDPE, MS, MDPE, Others

Work Description :

Electro logging work.

On Date : 28/6/23

Time : 10:00AM

Submitted By : RAMANAND

Date:

Time 10.00 AM

Sign

Signature

TPI (Aarvee)

Recieved By

Date

Time

Sign

Comments :

Civil Department

E&M, I/C Department

NAME : APPROVED

NAME : APPROVED

DESIG : APPROVED AS NOTED

DESIG : APPROVED AS NOTED

SIGN: REJECTED

SIGN: REJECTED



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01 RFI no: JJM/ALIGARH/KPTL/ Date : 02/7/23

Contractor Name: Kalpataru Power Transmission Limited. LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022

Location of Work

DISTRICT: ALIGARH BLOCK: TAPPAL SCHEME: KURANA

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HDPE Pipeline [ ] Others [ ]

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Lighting [ ] EMF Meter [ ] Level / Pressure Transmitter [ ] RTU [ ]
Earthing cable [ ] Starter [ ] Piping- DI ( ) HDPE ( ) MS ( ) MDPE ( ) Others [ ]

Work Description :
Tubewell lowering work CPM- 840
Assembly - 200x200mm Drill depth - 128m

On Date : 02/7/23 Time : 10:00AM

Submitted By ASHUTOSH Date: Time 10.00 AM Sign

TPI (Aarvee)

Reclved By Adnan Khatib Date Time Sign Adnan

Comments :

Civil Department E&M, I/C Department
NAME : [ ] APPROVED NAME : [ ] APPROVED
DESIG : [ ] APPROVED AS NOTED DESIG : [ ] APPROVED AS NOTED
SIGN: [ ] REJECTED SIGN: [ ] REJECTED