



**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:- Salpur
Rig No/ Type DC:- DC	Size of Bore:- 500mm Ø x 500mm Ø	
Under:- JJM	Assembly Size:- 200mm Ø x 200mm Ø	Required LPM:- 590 LPM
Contractor:- KPTL		

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL	0.5	Pipe No. =	Drilling Started Date:- 11/01/2024
		Pipe No. =	DPR Drilling Depth:- 110 MTR
		Pipe No. =	Logging Started Date:- 17/01/2024
		Pipe No. =	Logging Completed Date:- 17/01/2024
		Pipe No. =	Lowering Started Date :- 22/01/2024
		Pipe No. =	Lowering Completed Date :- 22/01/2024
		Pipe No. =	Housing Pipe Ø :- MM M
		Pipe No. =	Above AGL Ø :- 200 MM 0.5 M
		Pipe No. =	Plain Pipe Ø :- 200 MM 24.50 M
		Pipe No. =	Slotted Pipe Ø :- 200 MM 15.00 M
		Pipe No. =	Lowered Assembly:- 39.00 M
		Pipe No. =	Total Assembly+ AGL :- 39+0.5 M
		Pipe No. =	Actual Drilling Depth:- 110 MTR M
		Pipe No. =	MS H Frame:- 200mm Ø, 1 No
		Pipe No. =	MS Ring:- 200mm Ø, 8 Nos
		Pipe No. =	MS Reducer:-
		Pipe No. =	MS Bail Plug:- 200mm Ø, 1 No
		Pipe No. =	MS Clamp:- 200mm Ø, 1 No
		Pipe No. =	MS Well Cap:- 200mm Ø, 1 No
		Pipe No. =	Centre Guide:- 200mm Ø, 03 Nos
		Pipe No. =	
		Pipe No. =	
		Pipe No. =	
	6.00	Pipe No. = 9th	
	4.50	Pipe No. = 8th	
	6.00	Pipe No. = 6th	
	16.00	Pipe No. = 5th	
MSRW SLOTTED	3.00	Pipe No. = 4th	
MSRW SLOTTED	6.00	Pipe No. = 3rd	
	25.00	Pipe No. = 2nd	
	5.00	Pipe No. = 1st	
	30.00		
MSRW SLOTTED	6.00		
	36.00		
Bail Plug	3.00		
	39.00		

Amit Ranjan Kumar

Contractor Representative

Ahau

TPI Representative

Client Representative

G.P. : Salpur

Block : Tappal

District : Aligarh

Required : 590 LPM

on Electric

300mm dia Plain Pipe : X  
200mm dia Plain Pipe : 76.00  
200mm dia Slotted Pipe : 24.00  
100 mtr

Streta :-

13-25 → 12 mtr

30-36 → 06 mtr

6.00	0.50
4.50	
6.00	16.00
3.00	
6.00	25.00
5.00	30.00
6.00	36.00
8.00	
0	39.00

Water level → 40 feet

Note → 39 से 40 मी के मध्य cement sealing करनी होगी।

300mm dia Plain Pipe : X  
300X200 mm Reducer : X  
200mm dia Plain Pipe : 24.50 mtr  
200mm dia Slotted Pipe : 15.00 mtr

**Total : 39.50 mtr**

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SALPUR, 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 17.Jan.2024.

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 = 09.53 Ohms.

Drilling Water Resistivity = 10.63 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 - 13	8	Clay kankar	
3.	13 - 25	12	Fine sand	Med to Marginally
4.	25 - 30	5	Clay kankar	
5.	30 - 36	6	Fine to Medium sand	Med to Marginally
6.	36 - 40	4	Clay kankar	
7.	40 - 44	4	Fine sand	Saline
8.	44 - 62	18	Clay kankar	
9.	62 - 70	8	Fine sand & kankar	Saline
10.	70 - 83	13	Clay kankar	
11.	83 - 95	12	Sand & kankar	Saline
12.	95 - 110	15	Clay kankar	

Ground Water Survey Consultancy





KALPATARU PROJECTS INTERNATIONAL LIMITED  
(Formerly Kalpataru Power Transmission Limited)

aarvee associates  
architects engineers & consultants pvt. ltd.



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPIL/01	RFI no: JJM/ALIGARH/KPIL/	Date : 29/01/2024
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 : Salpur
--------------------	----------------	-----------------

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	<input type="text"/>						

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"/>	Sloar	<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 - 590 LPM  
 Assembly Size - 200mm Ø x 200mm Ø

On Date : 29/01/2024 Time : 11:00 AM

Submitted By A.MITRANJANKR Date: 29/01/2024 Time 11:00 AM Sign Amit Ranjan Kumar

TPI (Aarvee)

Recieved By Date Time Sign Adnan

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