



**KALPA-TARU**

KALPATARU POWER TRANSMISSION LIMITED

**Varvee associates**  
architects engineers & consultants Pvt. Ltd.



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

District:- Aligarh      Block:- Tappal      Scheme:- Hanji KZ Goshi Urif Surajmal

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

Under:- JJM      Assembly Size:- 200mmø x 200mmø      Required LPM:- 430 LPM

Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL	<u>0.50</u>	Pipe No. =	Drilling Started Date:- <u>03/01/2024</u>
<u>     </u>		Pipe No. =	DPR Drilling Depth:- <u>110 MTR</u>
		Pipe No. =	Logging Started Date:- <u>06/01/2024</u>
		Pipe No. =	Logging Completed Date:- <u>06/01/2024</u>
		Pipe No. =	Lowering Started Date :- <u>12/01/2024</u>
		Pipe No. =	Lowering Completed Date :- <u>12/01/2024</u>
		Pipe No. =	Housing Pipe Ø :- <u>MM</u> <u>M</u>
		Pipe No. =	Above AGL Ø :- <u>200 MM</u> <u>0.50 M</u>
		Pipe No. =	Plain Pipe Ø :- <u>200 MM</u> <u>39.50 M</u>
		Pipe No. =	Slotted Pipe Ø :- <u>200 MM</u> <u>10.00 M</u>
		Pipe No. =	Lowered Assembly:- <u>49.00 M</u>
		Pipe No. =	Total Assembly+ AGL :- <u>49+0.50 M</u>
		Pipe No. =	Actual Drilling Depth:- <u>110 MTR</u> <u>M</u>
		Pipe No. =	MS H Frame:- <u>200mmø, 1 Nos</u>
		Pipe No. =	MS Ring:- <u>200mmø, 9 Nos</u>
		Pipe No. =	MS Reducer:- <u>—</u>
		Pipe No. =	MS Bail Plug:- <u>200mmø, 1 Nos</u>
		Pipe No. =	MS Clamp:- <u>200mmø, 1 Nos</u>
		Pipe No. =	MS Well Cap:- <u>200mmø, 1 Nos</u>
		Pipe No. =	Centre Guide:- <u>200mmø, 4 Nos</u>
		Pipe No. =	
	<u>6.00</u>	Pipe No. = <u>10<sup>th</sup></u>	
	<u>6.00</u>	Pipe No. = <u>9<sup>th</sup></u>	
	<u>6.00</u>	Pipe No. = <u>8<sup>th</sup></u>	
	<u>6.00</u>	Pipe No. = <u>7<sup>th</sup></u>	
	<u>0.50</u>	Pipe No. = <u>6<sup>th</sup></u>	
	<u>6.00</u>	Pipe No. = <u>5<sup>th</sup></u>	
<u>MSCRW SLOTTED</u>	<u>5.00</u>	Pipe No. = <u>4<sup>th</sup></u>	
	<u>5.00</u>	Pipe No. = <u>3<sup>rd</sup></u>	
<u>MSCRW SLOTTED</u>	<u>5.00</u>	Pipe No. = <u>2<sup>nd</sup></u>	
<u>Bail Plug</u>	<u>4.00</u>	Pipe No. = <u>1<sup>st</sup></u>	
	<u>30.00</u>		
	<u>35.00</u>		
	<u>40.00</u>		
	<u>45.00</u>		
	<u>49.00</u>		

Himraj Kumar  
Contractor Representative

Adnan  
TPI Representative

Client Representative

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GARHI SURAJMAL, 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 06.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 = 10.55 Ohms.

Drilling Water Resistivity = 11.10 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 - 31	26	Clay kankar	
3.	31 - 35	4	Fine to medium sand	Medium
4.	35 - 40	5	Clay kankar	
5.	40 - 44*	4	Medium sand	Medium
6.	44 - 50	6	Clay kankar	
7.	50 - 53	3	Fine sand	Marginally saline
8.	53 - 60	7	Clay kankar	
9.	60 - 63	3	Fine sand	Saline
10.	63 - 110	47	Clay kankar	

Ground Water Survey Consultancy



G.P. : Harji ki Gashi and Surajmal

Block : Tappal

District : Aligarh

Required : 430 LPM

300mm dia Plain Pipe : X

200mm dia Plain Pipe : 82

200mm dia Slotted Pipe : 18

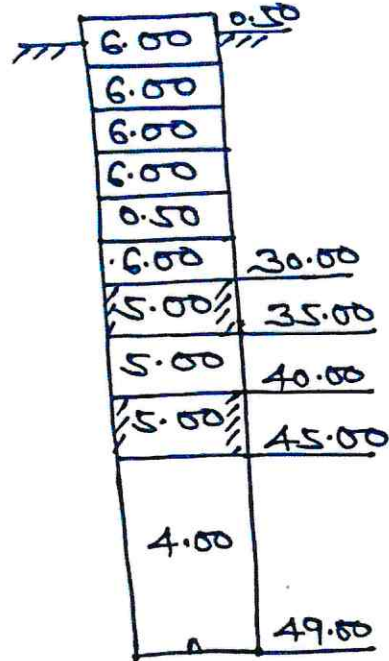
100 mtr

Water Level → 40 feet

Streta :-

31-35 → 04 mtr

40-44 → 04 mtr



नोट → 49 मी० से 50 मी० के मध्य cement sealing करनी होगी।

300mm dia Plain Pipe : X

300X200 mm Reducer : X

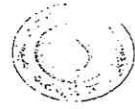
200mm dia Plain Pipe : 39.50 mtr

200mm dia Slotted Pipe : 10.00 mtr

**Total : 49.50 mtr**



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: 11/01/2024

Contractor Name: KALPATARU PROJECTS INTERNATIONAL LIMITED

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

Location of Work

DISTRICT:- ALIGARH

BLOCK : Tappal

SCHEME : Hargi ki Gharhi urf Surajmal

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"/>	Shoar	<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.  
Assembly size - 200mm x 200mm  
Required discharge - 430Lpm

On Date : 12/01/2024

Time : 12:00 PM

Submitted By : AMITRANJAN KUMAR

Date: 11/01/2024

Time 11:00 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