

16-9  
Settle - 9



**KALPA-TARU**

KALPATARU POWER TRANSMISSION LIMITED

**kaarvee associates**  
architects engineers & consultants pvt. ltd.



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

District:- Aligarh      Block:- **KHAIR**      Scheme:- **MOHSAmpur**  
 Rig No/ Type DC:- **DC**      Size of Bore:- **500MM**  
 Under:- **JJM**      Assembly Size:- **200x200 MM Ø**      Required LPM:- **480**  
 Contractor:- **KPTL**

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL		Pipe No. =	Drilling Started Date:-
		Pipe No. =	DPR Drilling Depth:-
		Pipe No. =	Logging Started Date:-
		Pipe No. =	Logging Completed Date:-
		Pipe No. =	Lowering Started Date :- <b>31/7/23</b>
		Pipe No. =	Lowering Completed Date :- <b>31/7/23</b>
		Pipe No. = <b>18 = 6.00</b>	Housing Pipe Ø :-      MM      M
		Pipe No. = <b>17 = 6.00</b>	Above AGL Ø :- <b>200</b> MM <b>9</b> M
		Pipe No. = <b>16 = 6.00</b>	Plain Pipe Ø :- <b>200</b> MM <b>51.50</b> M
		Pipe No. = <b>15 = 6.00</b>	Slotted Pipe Ø :- <b>200</b> MM <b>9</b> M
		Pipe No. = <b>14 = 0.50 M</b>	Lowered Assembly:- <b>69</b> M
		Pipe No. = <b>13 = 4.00 M</b>	Total Assembly+ AGL :- <b>69+0.50</b> M
		Pipe No. = <b>12 = 6.00 M</b>	Actual Drilling Depth:-      M
	Pipe No. = <b>11 = 5.00 M</b>	MS H Frame:- <b>01</b> <b>300 mm</b>	
	Pipe No. = <b>10 = 2.00 M</b>	MS Ring:- <b>17 Nos</b> <b>200 mm</b>	
	Pipe No. = <b>9 = 3.00 M</b>	MS Reducer:-	
	Pipe No. = <b>8 = 3.00 M</b>	MS Bail Plug:- <b>01</b> <b>200 mm</b>	
	Pipe No. = <b>7 = 1.00 M</b>	MS Clamp:- <b>01</b> <b>200 mm</b>	
	Pipe No. = <b>6 = 2.00 M</b>	MS Well Cap:- <b>01</b> <b>200 mm</b>	
	Pipe No. = <b>5 = 6.00 M</b>	Centre Guide:- <b>02</b> <b>200 mm</b>	
	Pipe No. = <b>4 = 1.00 M</b>		
	Pipe No. = <b>3 = 2.00 M</b>		
	Pipe No. = <b>2 = 4.00</b>		
	Pipe No. = <b>1 = 6.00 M</b>		

0.50  
 TTTT  
 34.0  
 slotted 39.0  
 41.0  
 LIG  
 LIG  
 LIG  
 LIG 50.0  
 59.0  
 slotted 63  
 69.00  
 Bail Plug

LIG

*[Signature]*

Contractor Representative

*[Signature]*

TPI Representative

Client Representative

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MOHSANPUR, BLOCK- KHAIR, 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 is conduct at above bore hole using IGIS Well Logger on 03.July.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:-

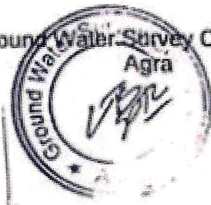
Mud Resistivity = 15.23 Ohms.

Drilling Water Resistivity = 16.10 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay	
3.	8 - 18	10	Fine sand	
4.	18 - 24	6	Clay kankar	
5.	24 - 29	5	Sandy clay	
6.	29 - 34	5	Clay kankar	
7.	34 - 39	5	Fine to Medium sand	Medium
8.	39 - 41	2	Clay kankar	
9.	41 - 50*	9	Medium sand	Medium
10.	50 - 59	9	Clay kankar	
11.	59 - 63*	4	Medium sand	Medium
12.	63 - 67	4	Clay kankar	
13.	67 - 70	3	Kankar	
14.	70 - 110	40	Clay kankar	

Ground Water Survey Consultancy





G.P. : mohasampur

Block : Khari

District : Aligarh

Required : 480 LPM

300mm dia Plain Pipe : x  
200mm dia Plain Pipe : 82  
200mm dia Slotted Pipe : 18  
100 mtr

Streta :-

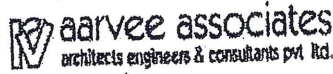
34-39 → 05 mtr

41-50 → 09 mtr

59-63 → 04 mtr

6.00	0.50
6.00	
6.00	
6.00	
4.50	
6.00	34.00
5.00	39.00
2.00	41.00
6.00	
3.00	50.00
6.00	
3.00	59.00
4.00	63.00
6.00	69.00 ✓

300mm dia Plain Pipe : x  
300X200 mm Reducer : x  
200mm dia Plain Pipe : 52.50 mtr  
200mm dia Slotted Pipe : 18.00 mtr  
**Total : 69.50 mtr**



**PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH**

**REQUEST FOR INSPECTION (RFI)**

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/\_\_\_\_\_

Date : 3/7/23

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

<b>DISTRICT:</b>	<b>ALIGARH</b>	<b>BLOCK :</b>	<b>KHAIR</b>	<b>SCHEME :</b>	<b>MOHSANPUR</b>
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Following civil items are ready for inspection :

Date :

SBC <input type="checkbox"/>	Tube Well <input 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="checkbox"/>			

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

Date :

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 :

Tube well lowering work CPM-480

Assembly - 200x200mm

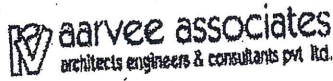
On Date : 3/7/23 Time : 10:00AM

Submitted By : RAMANAND Date: Time 10.00 AM Sign: Ramanand

TPI (Aarvee) Received By : Anshu Kulkarni Date: Time Sign: Anshu

Comments :

<b>Civil Department</b>		<b>E&amp;M, I/C Department</b>	
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



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

Location of Work

DISTRICT:	ALIGARH	BLOCK :	KHAI R	SCHEME :	MOHSANPU R
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Following civil items are ready for inspection : Date :

SBC <input type="checkbox"/>	Tube Well <input type="checkbox"/>	Excavation <input type="checkbox"/>	PCC <input type="checkbox"/>	RCC <input type="checkbox"/>
Drilling <input type="checkbox"/>	Logging <input checked="" type="checkbox"/>	Lowering <input 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 : Date :

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="text"/>	

Work Description :  
Electro logging work

On Date :	Time : 10:00AM
Submitted By <span style="font-size: 1.2em; color: blue;">RAMANAND</span>	Date: <span style="font-size: 1.2em; color: blue;">1</span> Time 10.00 AM Sign <span style="font-size: 1.2em; color: blue;">Ramanand</span>

TPI (Aarvee)	Date	Time	Sign
Recieved By			

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





PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/

Date :

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: KHAIR SCHEME: MOHSANPUR

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 :

Rig machine installation and drilling work

On Date :

Time : 10:00AM

Submitted By RAMANAND

Date:

Time 10.00 AM

Sign [Signature]

TPI (Aarvee)

Received 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