



**KALPA-TARU**

KALPATARU POWER TRANSMISSION LIMITED

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



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

District:- Aligarh

Block:- **IGLAS**

Scheme:- **PILKHUNIYA**

Rig No/ Type DC:-

Size of Bore:-

Under:- JJM

Assembly Size:- **200mmφ x 200mmφ**

Required LPM:- **100LPM**

Contractor:- **KPTL**

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL	0.55	Pipe No. =	Drilling Started Date:- <b>28/10/2023</b>
		Pipe No. =	DPR Drilling Depth:- <b>100</b>
		Pipe No. =	Logging Started Date:- <b>01/11/2023</b>
		Pipe No. =	Logging Completed Date:- <b>01/11/2023</b>
		Pipe No. =	Lowering Started Date :- <b>05/11/2023</b>
		Pipe No. =	Lowering Completed Date :- <b>05/11/2023</b>
	6.01	Pipe No. = <b>18<sup>th</sup></b>	Housing Pipe φ :- <b>MM M</b>
	6.01	Pipe No. = <b>17<sup>th</sup></b>	Above AGL φ :- <b>200 MM 0.55 M</b>
	6.01	Pipe No. = <b>16<sup>th</sup></b>	Plain Pipe φ :- <b>200 MM 71.57 M</b>
	6.01	Pipe No. = <b>15<sup>th</sup></b>	Slotted Pipe φ :- <b>200 MM 16.00 M</b>
	1.00	Pipe No. = <b>14<sup>th</sup></b>	Lowered Assembly:- <b>87.02 M</b>
	6.01	Pipe No. = <b>13<sup>th</sup></b>	Total Assembly+ AGL :- <b>87.02+0.55 M</b>
	30.50	Pipe No. = <b>12<sup>th</sup></b>	Actual Drilling Depth:- <b>100 M</b>
MSERN SLOTTED	6.00	Pipe No. = <b>11<sup>th</sup></b>	MS H Frame:- <b>200mmφ, 1 NUT</b>
	36.50	Pipe No. = <b>10<sup>th</sup></b>	MS Ring:- <b>200mmφ, 17 NUT</b>
	6.00	Pipe No. = <b>9<sup>th</sup></b>	MS Reducer:- <b>-</b>
	6.00	Pipe No. = <b>8<sup>th</sup></b>	MS Ball Plug:- <b>200mmφ, 1 NUT</b>
	6.00	Pipe No. = <b>7<sup>th</sup></b>	MS Clamp:- <b>200mmφ, 1 NUT</b>
	6.00	Pipe No. = <b>6<sup>th</sup></b>	MS Well Cap:- <b>200mmφ, 1 NUT</b>
MSERN SLOTTED	3.00	Pipe No. = <b>5<sup>th</sup></b>	Centre Guide:- <b>200mmφ, 4 NUT,</b>
	65.50	Pipe No. = <b>4<sup>th</sup></b>	
	6.00	Pipe No. = <b>3<sup>rd</sup></b>	
	2.50	Pipe No. = <b>2<sup>nd</sup></b>	
MSERN SLOTTED	1.00	Pipe No. = <b>1<sup>st</sup></b>	
MSERN SLOTTED	6.00		
Bail Plug	6.02		
	87.02		

*Amit Ranjan Kumar*

Contractor Representative

*Ashu*

TPI Representative

Client Representative

G.P. : Pilkhuniya

Block : Iglas

District : Aligarh

Required : 100 LPM

on Electric

300mm dia Plain Pipe : X

200mm dia Plain Pipe : 72

200mm dia Slotted Pipe : 18

90mtr

Streta :-

30-37 → 07 mtr

60-66 → 06 mtr (fine)

74-81 → 07 mtr

6.00	0.50
6.00	
6.00	
6.00	
1.00	
6.00	30.50
6.00	36.50
6.00	
6.00	
6.00	
2.00	
6.00	62.50
3.00	65.50
6.00	
2.50	
1.00	74.00
6.00	81.00
6.50	87.50

300mm dia Plain Pipe : X

300X200 mm Reducer : X

200mm dia Plain Pipe : 71.50 mtr

200mm dia Slotted Pipe : 16.00 mtr

**Total : 87.50 mtr**

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- PILKIUNIYA, BLOCK- IGLAS, DISTT-ALIGARH UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth 100 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 31.Oct.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 = 14.37 Ohms.

Drilling Water Resistivity = 15.47 Ohms.

Approx Water Level = 25 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 22	17	Dry sand	
3.	22 - 30	8	Clay kankar	
4.	30 - 37	7	Fine to Medium sand	Medium
5.	37 - 40	3	Clay kankar	
6.	40 - 43	3	Fine sand	Medium
7.	43 - 60	17	Clay kankar	
8.	60 - 66	6	Fine sand	Medium
9.	66 - 74	8	Clay kankar	
10.	74 - 81*	7	Fine to Medium sand	Medium
11.	81 - 100	19	Clay kankar	

Ground Water Survey Consultancy





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

**REQUEST FOR INSPECTION (RFI)**

Format No : JJM/ALIGARH/KPIL/01

RFI no:  
JJM/ALIGARH/KPIL/

Date : 27/10/23

Contractor Name: KALPATARU PROJECTS INTERNATIONAL LIMITED

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

Location of Work

DISTRICT:- ALIGARH

BLOCK : IGLAS

SCHEME : PILKHUNIYA

Following civil items are ready for inspection :

Date :

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

Work Description :

Rig mic installation & Drilling work.  
Assembly Size- 200 mm Ø X 200 mm Ø  
Required discharge - 100 Lpm

On Date : 28/10/2023

Time : 10:00 AM

Submitted By Amit Ranjan Kumar

Date: 27/10/23

Time - 10:00 AM

Sign

TPI (Aarvee)

Received By

Date

Time

Sign

Comments :

Civil Department

E&M , I/C Department

NAME :

APPROVED

NAME :

APPROVED



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Date : 31/10/23

Contractor Name: KALPATARU PROJECTS INTERNATIONAL LIMITED

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

**Location of Work**

DISTRICT:- ALIGARH

BLOCK : TGLAS

SCHEME : PILKHUNIYA

Following civil items are ready for inspection :

Date :

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 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="checkbox"/>

Work Description :

Tubewell Electrologging work  
Required discharge- 100 LPM  
Assembly Size- 200 mmφ x 200 mmφ

On Date : 01/11/2023

Time : 10:00 AM

Submitted By *Amit Ranjan Kumar*

Date: 31/10/23

Time 1:00pm

Sign *Amit Ranjan Kumar*

**TPI ( Aarvee)**

Recieved By

Date

Time

Sign

Comments :

Civil Department

E&M , I/C Department

NAME :

APPROVED

NAME :

APPROVED



KALPATARU PROJECTS INTERNATIONAL LIMITED  
(Formerly Kalpataru Power Transmission Limited)



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

**REQUEST FOR INSPECTION (RFI)**

Format No : JJM/ALIGARH/KPIL/01

RFI no:  
JJM/ALIGARH/KPIL/

Date : 04/01/2023

Contractor Name: KALPATARU PROJECTS INTERNATIONAL LIMITED

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

Location of Work

DISTRICT:- ALIGARH

BLOCK : IGDAS

SCHEME : PILKHUNIYA

Following civil items are ready for inspection :

Date :

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"/>
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HDPE Pipeline	<input type="checkbox"/>	Others	<input type="text"/>						

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Date :

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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 - 100 Lpm  
Assembly size - 200mm $\phi$  x 200mm $\phi$

On Date : 05/11/23

Time :

Submitted By Amit Ranjan Kumar Date: 04/11/23 Time Sign Amit Ranjan Kumar

TPI (Aarvee)

Received By Adnan Khasab 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