

166-12



**KALPATARU**

KALPATARU POWER TRANSMISSION LIMITED


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



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

District:- Aligarh      Block:- TAPPAL      Scheme:- CALGARHI  
 Rig No/ Type DC:-      Size of Bore:- 500 MM  
 Under:- JJM      Assembly Size:- 200X200 mm      Required LPM:- 500  
 Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL		Pipe No. =	Drilling Started Date:- <u>13/7/23</u>
		Pipe No. =	DPR Drilling Depth:- <u>11.5M</u>
		Pipe No. =	Logging Started Date:- <u>15/7/23</u>
		Pipe No. =	Logging Completed Date:- <u>15/7/23</u>
		Pipe No. =	Lowering Started Date :- <u>19/7/23</u>
		Pipe No. =	Lowering Completed Date :- <u>19/7/23</u>
		Pipe No. =	Housing Pipe Ø :-      MM      M
		Pipe No. =	Above AGL Ø :-      MM      M
		Pipe No. =	Plain Pipe Ø :- <u>200</u> MM <u>36</u> M
		Pipe No. =	Slotted Pipe Ø :- <u>200</u> MM <u>12</u> M
	Pipe No. =	Lowered Assembly:- <u>47.50</u> M	
	Pipe No. =	Total Assembly+ AGL :- <u>42.50</u> M	
	Pipe No. =	Actual Drilling Depth:-      M	
	Pipe No. =	MS H Frame:- <u>0'</u>	
	Pipe No. =	MS Ring:- <u>09</u>	
	Pipe No. =	MS Reducer:- <u>—</u>	
	Pipe No. =	MS Ball Plug:- <u>00</u>	
	Pipe No. =	MS Clamp:- <u>01</u>	
	Pipe No. =	MS Well Cap:- <u>01</u>	
	Pipe No. =	Centre Guide:- <u>02</u>	
		Pipe No. =	
		Pipe No. = <u>10</u> < <u>6.00</u>	
		Pipe No. = <u>9</u> < <u>6.00</u>	
		Pipe No. = <u>8</u> < <u>4.00</u>	
<u>LLG</u>	<u>15.5</u>	Pipe No. = <u>7</u> = <u>6.00</u>	
		Pipe No. = <u>6</u> = <u>6.00</u>	
		Pipe No. = <u>5</u> < <u>1.00</u>	
		Pipe No. = <u>4</u> = <u>6.00</u>	
<u>LLG</u>	<u>34.50</u>	Pipe No. = <u>3</u> = <u>6.00</u>	
		Pipe No. = <u>2</u> = <u>1.00</u>	
		Pipe No. = <u>1</u> = <u>6.00</u>	
Ball Plug	<u>47.50</u>		

  
 Contractor Representative
 

 TPI Representative
 

 Client Representative

G.P. → 'kal Garhi'  
 Block - Tappal, Distt. Aligarh  
 Required → "500 LPM"

$\frac{22}{18}$   
100 mtr  
 15-22-07 mtr  
 25-40-05 mtr

	6.00	0.50
	6.00	
⊗	4.00	15.50
	6.00	21.50
	6.00	
⊗	1.00	
	6.00	34.50
	6.00	40.50
⊗	1.00	
	6.00	
	0	47.50

Note - cement sealing करनी होगी)

200 mm dia P.P → 36.00 mtr  
 200 mm dia S.P → 12.00 mtr  
कुल 48.00 mtr

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 115 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 15.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 = 13.48 Ohms.

Drilling Water Resistivity = 14.57 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 - 15	10	Clay kankar	
3.	15 - 22	7	Fine to Medium sand	Med to Marginally
4.	22 - 35	13	Clay kankar	
5.	35 - 40*	5	Fine to Medium sand	Med to Marginally
6.	40 - 71	31	Clay kankar	
7.	71 - 80	9	Fine sand	
8.	80 - 110	30	Clay kankar	Saline





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

**REQUEST FOR INSPECTION (RFI)**

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/

Date : 18/7/23

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: LAL GARHI

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 :

Tabewell lowering works LPM-500  
 Assembly size - 200x200MM Depth - 11.5m

On Date : 18/7/23

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, IIC Department

NAME :  APPROVED

NAME :  APPROVED

DESIG :  APPROVED AS NOTED

DESIG :  APPROVED AS NOTED

SIGN:  REJECTED

SIGN:  REJECTED



KALPATARU

KALPATARU POWER TRANSMISSION LIMITED



arvee associates  
architects engineers & consultants pvt. ltd.



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: TAPPAL SCHEME: CAL GIARH I

Following civil items are ready for inspection :

Date :

SBC [ ] Tube Well [ ] Excavation [ ] PCC [ ] RCC [ ]  
Drilling [ ] Logging [x] 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 Pulley [ ] DG Set [ ]  
Pump Set [ ] Stabilizer [ ] Panel [ ] 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 : Time : 10:00AM

Submitted By RAMANAND Date: Time 10.00 AM Sign [Signature]

TPI / Arvee

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



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

**REQUEST FOR INSPECTION (RFI)**

Format No : JJM/ALIGARH/KPTL/D1      RFI no: JJM/ALIGARH/KPTL/\_\_\_\_\_      Date : 11

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: LAL GARMH

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 filling work

On Date :      Time : 10:00AM

Submitted By : RANJANAWD      Date:      Time 10.00 AM      Sign: RANJANAWD

TPI (Aarvee)

Received By      Date      Time      Sign

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