



**KALPA-TARU**

KALPATARU POWER TRANSMISSION LIMITED

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



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

District:- Aligarh Block:- Tappal Scheme:- Dewara

Rig No/ Type DC:- DC Size of Bore:- 500mm Ø 500mm Ø

Under:- JJM Assembly Size:- 200mm Ø x 200mm Ø Required LPM:- 320 LPM

Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL	<u>0.55</u>	Pipe No. =	Drilling Started Date:- <u>25-09-2023</u> DPR Drilling Depth:- <u>110M TR</u>
		Pipe No. =	Logging Started Date:- <u>02-10-2023</u> Logging Completed Date:- <u>02-10-2023</u>
		Pipe No. =	Lowering Started Date:- <u>06-10-2023</u> Lowering Completed Date:- <u>07-10-2023</u>
	<u>6.01</u>	Pipe No. =	Housing Pipe Ø :- MM M Above AGL Ø :- <u>200</u> MM <u>0.55</u> M
	<u>6.01</u>	Pipe No. = <u>17<sup>th</sup></u>	Plain Pipe Ø :- <u>200</u> MM <u>60.57</u> M Slotted Pipe Ø :- <u>200</u> MM <u>12M+SMLM</u>
	<u>6.01</u>	Pipe No. = <u>16<sup>th</sup></u>	Lowered Assembly:- <u>77.02</u> M Total Assembly+ AGL :- <u>77.02+0.55</u> M
	<u>6.00</u>	Pipe No. = <u>15<sup>th</sup></u>	Actual Drilling Depth:- <u>110M</u> M MS H Frame:- <u>200mm Ø, 1 Nos</u>
	<u>6.01</u>	Pipe No. = <u>14<sup>th</sup></u>	MS Ring:- <u>200mm Ø, 1 Nos</u> MS Reducer:- <u>-</u>
	<u>3.00</u>	Pipe No. = <u>13<sup>th</sup></u>	MS Bail Plug:- <u>200mm Ø, 1 Nos</u> MS Clamp:- <u>200mm Ø, 1 Nos</u>
	<u>6.02</u>	Pipe No. = <u>12<sup>th</sup></u>	MS Well Cap:- <u>200mm Ø, 1 Nos</u> Centre Guide:- <u>200mm Ø, 2 Nos</u>
MSERW SLOTED	<u>6.00</u>	Pipe No. = <u>11<sup>th</sup></u>	
	<u>5.50</u>	Pipe No. = <u>10<sup>th</sup></u>	
LCM SCREEN	<u>1.00</u>	Pipe No. = <u>9<sup>th</sup></u>	
LCM SCREEN	<u>2.00</u>	Pipe No. = <u>8<sup>th</sup></u>	
	<u>6.00</u>	Pipe No. = <u>7<sup>th</sup></u>	
	<u>1.00</u>	Pipe No. = <u>6<sup>th</sup></u>	
LCM SCREEN	<u>2.00</u>	Pipe No. = <u>5<sup>th</sup></u>	
	<u>6.00</u>	Pipe No. = <u>4<sup>th</sup></u>	
	<u>3.00</u>	Pipe No. = <u>3<sup>rd</sup></u>	
MSERW SLOTED	<u>6.00</u>	Pipe No. = <u>2<sup>nd</sup></u>	
Bail Plug	<u>6.02</u>	Pipe No. = <u>1<sup>st</sup></u>	

SML+12(5)

Amit Rajan Kumar  
Contractor  
Representative

Adnan  
TPI  
Representative

Client  
Representative

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 107 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 02.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:-

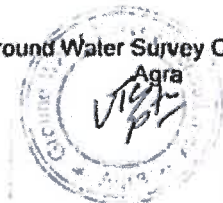
Mud Resistivity = 14.23 Ohms.

Drilling Water Resistivity = 15.19 Ohms.

Approx Water Level = 27 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 27	22	Dry sand	
3.	27 - 32	5	Clay kankar	
4.	32 - 39	7	Fine to Medium sand	Medium
5.	39 - 44	5	Clay kankar	
6.	44 - 47	3	Fine sand	Medium
7.	47 - 54	7	Clay kankar	
8.	54 - 56	2	Fine sand	Medium
9.	56 - 65	9	Clay kankar	
10.	65 - 71*	6	Fine to Medium sand	Medium
11.	71 - 107	36	Clay kankar	

Ground Water Survey Consultancy



G.P. : DeWAK9.

Block : Tappal

District : Aligarh

Required : 320 LPM

300mm dia Plain Pipe : x -

200mm dia Plain Pipe : 02

200mm dia Slotted Pipe : 28  
150 mtr

Streta :-

32-39 → 07 mtr

41-47 → 08 mtr

54-56 → 02 mtr

65-72 → 06 mtr

6.00	0.50
6.00	
6.00	
6.00	
3.00	
6.00	32.50
6.00	38.50
5.50	44.00
3.00	47.00
6.00	
1.00	54.00
2.00	56.00
6.00	
3.00	65.00
6.00	71.00
6.00	77.00 ✓

300mm dia Plain Pipe : x

300X200 mm Reducer : x

200mm dia Plain Pipe : 60.50 mtr

200mm dia Slotted Pipe : 17.00 mtr

**Total : 77.50 mtr**



**KALPATARU**

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 : 05-10-2022

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 : Dewaha

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"/>
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 ms pipe Lowering work.  
Assembly size - 200mm x 200mm  
Required LPM - 320 LPM

On Date : 06-10-2022

Time : 4:00 PM

Submitted By AMIT RANJANKUMAR

Date: 05-10-2022

Time 9:00 PM

Sign Amit Ranjan Kumar

TPI (Aarvee)

Reclved 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