



**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:- Nagla Jara  
 Rig No/ Type DC:- DC      Size of Bore:- 500mmφ x 500mmφ  
 Under:- JJM      Assembly Size:- 200mmφ x 200mmφ      Required LPM:- 400 LPM  
 Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL	0.5	Pipe No. =	Drilling Started Date:- <u>07/08/2023</u>
<del>6.00</del>		Pipe No. =	DPR Drilling Depth:- <u>110 Mtr</u>
		Pipe No. =	Logging Started Date:- <u>12/08/2023</u>
		Pipe No. =	Logging Completed Date:- <u>12/08/2023</u>
		Pipe No. =	Lowering Started Date :- <u>18/08/2023</u>
		Pipe No. =	Lowering Completed Date :- <u>18/08/2023</u>
		Pipe No. =	Housing Pipe φ :-      MM      M
		Pipe No. =	Above AGL φ :- <u>200</u> MM <u>0.5</u> M
		Pipe No. =	Plain Pipe φ :- <u>200</u> MM <u>61</u> M
		Pipe No. =	Slotted Pipe φ :- <u>200</u> MM <u>21</u> M
6.00		Pipe No. = <u>16<sup>th</sup></u>	Lowered Assembly:- <u>81.50</u> M
6.00		Pipe No. = <u>15<sup>th</sup></u>	Total Assembly+ AGL :- <u>81.50 + 0.5</u> M
6.00		Pipe No. = <u>14<sup>th</sup></u>	Actual Drilling Depth:- <u>110</u> M
6.00		Pipe No. = <u>13<sup>th</sup></u>	MS H Frame:- <u>200mmφ</u>
6.00		Pipe No. = <u>12<sup>th</sup></u>	MS Ring:- <u>200mmφ, 1.5 Nos</u>
1.00		Pipe No. = <u>11<sup>th</sup></u>	MS Reducer:- <u>-</u>
6.00		Pipe No. = <u>10<sup>th</sup></u>	MS Ball Plug:- <u>200mmφ, 01 Nos</u>
MSRW SLO TED	36.50	Pipe No. = <u>9<sup>th</sup></u>	MS Clamp:- <u>200mmφ, 01 Nos</u>
MSRW SLO TED	48.50	Pipe No. = <u>8<sup>th</sup></u>	MS Well Cap:- <u>200mmφ, 01 Nos</u>
		Pipe No. = <u>7<sup>th</sup></u>	Centre Guide:- <u>200mmφ, 03 Nos</u>
		Pipe No. = <u>6<sup>th</sup></u>	
		Pipe No. = <u>5<sup>th</sup></u>	
MSRW SLO TED	66.50	Pipe No. = <u>4<sup>th</sup></u>	
LCC	1.00	Pipe No. = <u>3<sup>rd</sup></u>	
LCC	2.00	Pipe No. = <u>2<sup>nd</sup></u>	
Bail Plug	6.00	Pipe No. = <u>1<sup>st</sup></u>	
	81.50		

Amrit Ranjan Kumar  
 Contractor  
 Representative

Shree  
 TPI  
 Representative

Client  
 Representative

G.P. : Nagla Jay

Block : Jglas

District : Aligarh

Required : 100 LPM

300mm dia Plain Pipe : X  
200mm dia Plain Pipe : 82  
200mm dia Slotted Pipe : 18  
100m

Streta :-

86-49 → 13m

66-76 → 10m

6.00	0.50
6.00	
6.00	
6.00	
6.00	
1.00	
6.00	36.50
6.00	
6.00	48.50
6.00	
6.00	
6.00	66.50
6.00	
3.00	75.50
6.00	
0	81.50 ✓

Note → 82-87m के सट्टे cement Sealing कराती होगी।  
RMD  
AL

300mm dia Plain Pipe : X  
300X200 mm Reducer : X  
200mm dia Plain Pipe : 61.00 m  
200mm dia Slotted Pipe : 21.00 m  
**Total** : 82.00 m

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NAGLA JAR, BLOCK- IGLAS, DISTT- ALIGARH  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 105 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 12.Aug.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 = 11.31 Ohms.

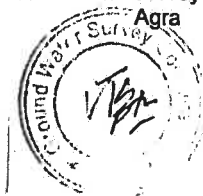
Drilling Water Resistivity = 12.43 Ohms.

Approx Water Level = 28 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Dry sand	
3.	20 - 25	5	Clay kankar	
4.	25 - 30	5	Fine sand	
5.	30 - 36	6	Clay kankar	
6.	36 - 49*	13	Fine to Medium sand	Medium
7.	49 - 66	17	Clay kankar	
8.	66 - 76*	10	Fine to medium sand	Med to Marginally
9.	76 - 87	11	Clay kankar	
10.	87 - 90	3	Fine sand	Marginally saline
11.	90 - 105	15	Clay kankar	

Note :- Please ensure pre-monsoon water level before lower the well assembly.

Ground Water Survey Consultancy





PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/

Date : 16/08/2022

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK : ICLAS SCHEME : Nagla Jor

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 :

Tubewell ms pipe Lowering work. Depth- 110Mtr. Required discharge - 400 LPM. Assembly - 200mm x 200mm

On Date : 16/08/2022

Time : 10:00AM

Submitted By Amit Ranjan Kumar Date: 16/08/22 Time 10.00 AM Sign Amit Ranjan Kumar

TPI (Aarvee)

Received By Adnan Khech 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