



KALPA-TARU

KALPATARU POWER TRANSMISSION LIMITED

arvee associates  
architects engineers & consultants pvt. ltd



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh

Block:- Gonda

Scheme:- Nagla Suble Zone 1

Rig No/ Type DC:- DC

Size of Bore:- 500mm x 500mm

Under:- JJM

Assembly Size:- 200mm x 200mm

Required LPM:- 600 LPM

Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL	0.5	Pipe No. =	Drilling Started Date:- 28-09-2023
		Pipe No. =	DPR Drilling Depth:- 110M
		Pipe No. =	Logging Started Date:- 02-10-2023
		Pipe No. =	Logging Completed Date:- 02-10-2023
		Pipe No. =	Lowering Started Date :- 04-10-2023
		Pipe No. =	Lowering Completed Date :- 04-10-2023
		Pipe No. =	Housing Pipe Φ :- MM — M
		Pipe No. =	Above AGL Φ :- 200 MM 50 M
		Pipe No. =	Plain Pipe Φ :- 200 MM 42.50 M
		Pipe No. =	Slotted Pipe Φ :- 200 MM 12M+1M M 1M(LCG)
		Pipe No. =	Lowered Assembly:- 55M M
		Pipe No. =	Total Assembly+ AGL :- 55M+0.5 M
		Pipe No. =	Actual Drilling Depth:- 115M M
		Pipe No. =	MS H Frame:- 200 mm Ø, 1 Nos
		Pipe No. =	MS Ring:- 200mm Ø, 10 Nos
		Pipe No. =	MS Reducer:- —
		Pipe No. =	MS Ball Plug:- 200 mm Ø, 1 Nos
		Pipe No. =	MS Clamp:- 200mm Ø, 1 Nos
		Pipe No. =	MS Well Cap:- 200 mm Ø, 1 Nos
		Pipe No. =	Centre Guide:- 200 mm Ø, 3 Nos.
	6.00	Pipe No. = 11 <sup>th</sup>	
	6.00	Pipe No. = 10 <sup>th</sup>	
	6.00	Pipe No. = 9 <sup>th</sup>	
	6.00	Pipe No. = 8 <sup>th</sup>	
	4.50	Pipe No. = 7 <sup>th</sup>	
	6.00	Pipe No. = 6 <sup>th</sup>	
MSERW SLOTED	6.00	Pipe No. = 5 <sup>th</sup>	
LCG SCREER	1.00	Pipe No. = 4 <sup>th</sup>	
	4.00	Pipe No. = 3 <sup>rd</sup>	
MSERW SLOTED	6.00	Pipe No. = 2 <sup>nd</sup>	
Bail Plug	4.00	Pipe No. = 1 <sup>st</sup>	
	34.00		
	41.00		
	45.00		
	51.00		
	55.00		

Amit Ranjan Kumar  
Contractor  
Representative

Adnan  
TPI  
Representative

Client  
Representative

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NAGLA SABAL 1ST, BLOCK- GONDA, DISTT- ALIGARH  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 115 mtrs. depth. and Logged depth 111 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 = 12.34 Ohms.

Drilling Water Resistivity = 14.03 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 - 8	3	Clay kankar	
3.	8 - 15	7	Fine sand	
4.	15 - 28	13	Clay kankar	
5.	28 - 30	2	Fine sand	Marginally
6.	30 - 34	4	Clay kankar	
7.	34 - 41*	7	Fine to Medium sand	Med to Marginally
8.	41 - 45	4	Clay kankar	
9.	45 - 51*	6	Fine to Medium sand	Med to Marginally
10.	51 - 55	4	Clay kankar	
11.	55 - 60	5	Fine sand	Saline
12.	60 - 111	51	Clay kankar	

G.P. : Nagri, stable cut Ganga Zone. J 7.10

Block : Ganga

District : Aligarh.

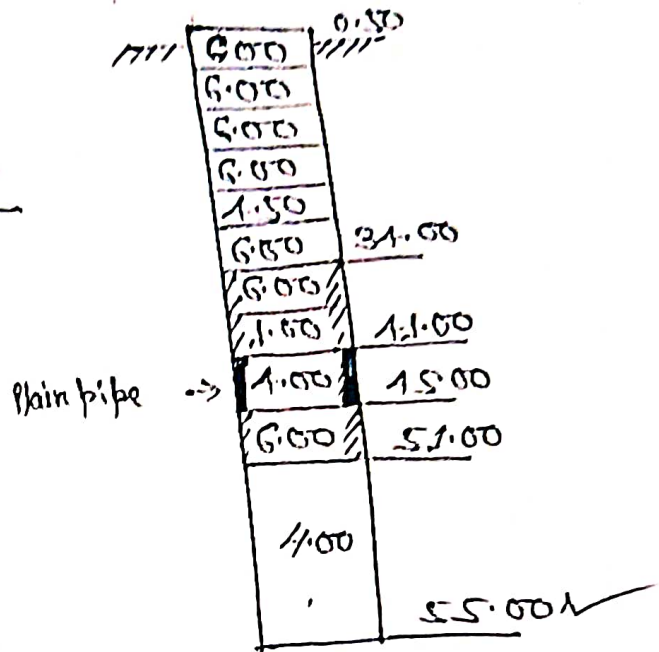
Required : 750 LPM  
600

300mm dia Plain Pipe : 7  
200mm dia Plain Pipe : 26  
200mm dia Slotted Pipe : 21  
100 mtr

Stret :-

1.1 - 1.1 → 0.4 mtr

1.5 - 5.1 → 0.6 mtr



नोट → ① cement sealing 55mtr पर करनी होगी।

300mm dia Plain Pipe	: 7
300X200 mm Reducer	: 1
200mm dia Plain Pipe	: 42.50 mtr
200mm dia Slotted Pipe	: 13.00 mtr
<b>Total</b>	<b>: 55.50 mtr</b>





**KALPA-TARU**

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 : 3-10-2023

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

Contractor Name: KALPATARU PROJECTS INTERNATIONAL LIMITED

Location of Work

DISTRICT:- ALIGARH

BLOCK : Gronda

SCHEME : Najla Sable - Zone - L

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 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 .  
Required Discharge - 600 LPM  
Assembly size - 200mm Ø x 200mm

On Date : 04-10-2023

Time : 10:50 AM

Submitted By AMIT RANJAN KUMAR

Date: 03-10-2023 Time: 8:00 PM

Sign Amit Ranjan Kumar

TPI (Aarvee)

Date

Time

Sign

Recieved By

[Signature]

Comments :

**Civil Department**

**E&M, I/C Department**

NAME :  APPROVED

DESIG :  APPROVED AS NOTED

REJECTED

NAME :  APPROVED

DESIG :  APPROVED AS NOTED

SIGN:  REJECTED