



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

District:- Aligarh      Block:- **Tappal**      Scheme:- **Bhairamganj**  
 Rig No/ Type DC:- **DC**      Size of Bore:- **500mm x 500mm**  
 Under:- **JJM**      Assembly Size:- **200mm x 200mm**      Required LPM:- **320 LPM**  
 Contractor:- **KPTL**

AGL	CHART	PIPE LENGTH	ASSEMBLY DETAILS
	0.56	Pipe No. =	Drilling Started Date:- 11/03/2024 DPR Drilling Depth:- 110 MTR
		Pipe No. =	Logging Started Date:- 16/03/2024 Logging Completed Date:- 16/03/2024
		Pipe No. =	Lowering Started Date :- 18/03/2024 Lowering Completed Date :- 18/03/2024
		Pipe No. =	Housing Pipe Φ :- MM      M Above AGL Φ :- MM 0.56 M
		Pipe No. =	Plain Pipe Φ :- 200 MM 34.64 M Slotted Pipe Φ :- 200 MM 12.00 M
		Pipe No. =	Lowered Assembly:- 46.08 M Total Assembly+ AGL :- 46.08+0.56 M
		Pipe No. =	Actual Drilling Depth:- 115 MTR M MS H Frame:- 200 mm φ, 1 NOS
		Pipe No. =	MS Ring:- 200 mm φ, 9 NOS MS Reducer:-
		Pipe No. =	MS Bail Plug:- 200 mm, 1 NOS MS Clamp:- 200mm φ, 1 NOS
		Pipe No. =	MS Well Cap:- 200 mm φ, 1 NOS Centre Guide:- 200 mm φ, 3 NOS
		Pipe No. =	
	6.04	Pipe No. = 10 <sup>th</sup> , 200mm φ	
	6.02	Pipe No. = 9 <sup>th</sup> , 200mm φ	
	2.47	Pipe No. = 8 <sup>th</sup> , 200mm φ	
	6.03	Pipe No. = 7 <sup>th</sup> , 200mm φ	
	20.00M		
MSERU SLOTTED	8.00	Pipe No. = 6 <sup>th</sup> , 200mm φ	
	25.00M		
	4.50	Pipe No. = 5 <sup>th</sup> , 200mm φ	
	29.50M		
MSERU SLOTTED	6.00	Pipe No. = 4 <sup>th</sup> , 200mm φ	
	36.50M		
MSERU SLOTTED	1.00	Pipe No. = 3 <sup>rd</sup> , 200mm φ	
	37.50M		
	8.50	Pipe No. = 2 <sup>nd</sup> , 200mm φ	
	46.08M	Pipe No. = 1 <sup>st</sup> , 200mm φ	
Bail Plug	6.08		

**Amit Ranjan Kumar**  
Contractor Representative

**Alhan**  
TPI Representative

**Yash**  
Client Representative

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 115 mtrs. depth. and Logged depth 92 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 16.Mar.2024.

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 = 12.81 Ohms.

Drilling Water Resistivity = 13.08 Ohms.

Approx Water Level = 9 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Clay kankar	
3.	20 - 25	5	Fine sand	Med to Marginally
4.	25 - 30	5	Clay kankar	
5.	30 - 36	6	Medium sand	Med to Marginally
6.	36 - 50	14	Clay kankar	
7.	50 - 53	3	Fine sand	Saline
8.	53 - 65	12	Clay kankar	
9.	65 - 68	3	Fine sand	Saline
10.	68 - 92	24	Clay kankar	



G.P. : Bairam Ganj

Block : Tappal

District : Aligarh

Required : 320 LPM

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

Streta :-

20-25 → 05 mtr  
30-36 → 06 mtr

Water level → 30 feet

6.00	0.50
6.00	
⊗ 2.50	
6.00	20.00
5.00	25.00
4.50	29.50
6.00	
1.00	36.50
3.50	
6.00	
1	46.00

Note → 46 मी से 49 मी के मध्य cement sealing करनी होगी,

300mm dia Plain Pipe : X  
300X200 mm Reducer : X  
200mm dia Plain Pipe : 34.50 mtr  
200mm dia Slotted Pipe : 12.00 mtr  
**Total : 46.50 mtr**



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 : 18/03/2024

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 : Bhalramganj

Following civil items are ready for inspection :

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 :

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  
Tubewell Assembly Size - 200mm x 200mm  
Required LPM - 320 LPM

On Date : 18/03/2024

Time : 3:00 pm

Submitted By : Amit Ranjan

Date : 17/03/24

Time : 10:00

Sign

Amit Ranjan Kumar

TPI (Aarvee)

Recieved By

Date

Time

Sign

Adnan

Comments :

Civil Department

NAME :  APPROVED

DESIG :  APPROVED AS NOTED

SIGN :  REJECTED

E&M, I/C Department

NAME :  APPROVED

DESIG :  APPROVED AS NOTED

SIGN :  REJECTED