



KALPA-TARU

KALPATARU POWER TRANSMISSION LIMITED

aarvee associates architects engineers & consultants pvt. ltd



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh

Block:- Tappal

Scheme:- UTWARA

Rig No/ Type DC:- DL

Size of Bore:- 500mm x 500mm

Under:- JJM

Assembly Size:- 200mm x 200mm

Required LPM:- 550 LPM

Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL	0.59	Pipe No. =	Drilling Started Date:- 12/10/2024 DPR Drilling Depth:- 110 MTR
		Pipe No. =	Logging Started Date:- 14/04/2024 Logging Completed Date:- 14/04/2024
		Pipe No. =	Lowering Started Date :- 15/04/2024 Lowering Completed Date :- 16/04/2024
		Pipe No. =	Housing Pipe Φ :- MM M Above AGL Φ :- 200 MM 0.55 M
		Pipe No. =	Plain Pipe Φ :- 200 MM 50.59 M Slotted Pipe Φ :- 200 MM 12 M
		Pipe No. =	Lowered Assembly:- 62.54 M Total Assembly+ AGL :- 62.59 M
		Pipe No. =	Actual Drilling Depth:- 110 M MS H Frame:- 200mmφ, 1 Nos
		Pipe No. =	MS Ring:- 200mmφ, 1 Nos MS Reducer:- 2
	6.01	Pipe No. = 13 <sup>th</sup>	MS Bail Plug:- 200mmφ, 1 Nos MS Clamp:- 200mmφ, 1 Nos
	6.01	Pipe No. = 12 <sup>th</sup>	MS Well Cap:- 200mmφ, 1 Nos Centre Guide:- 200mmφ, 4 Nos
	6.01	Pipe No. = 11 <sup>th</sup>	
	6.02	Pipe No. = 10 <sup>th</sup>	
	4.49	Pipe No. = 9 <sup>th</sup>	
	6.01	Pipe No. = 8 <sup>th</sup>	
MSERW SLOTTED	2.00	Pipe No. = 7 <sup>th</sup>	
MSERW SLOTTED	2.00	Pipe No. = 6 <sup>th</sup>	
	5.00	Pipe No. = 5 <sup>th</sup>	
MSERW SLOTTED	4.00	Pipe No. = 4 <sup>th</sup>	
	5.00	Pipe No. = 3 <sup>rd</sup>	
MSERW SLOTTED	4.00	Pipe No. = 2 <sup>nd</sup>	
Bail Plug	6.04	Pipe No. = 1 <sup>st</sup>	

Amit Ranjan Kumar  
Contractor Representative

Adnan  
TPI Representative

Hansh  
Client Representative

G.P. : utwara.

Block : Tappal

District : Aligarh

Required : 550 LPM

300mm dia Plain Pipe : X  
200mm dia Plain Pipe : 75  
200mm dia Slotted Pipe : 24  
100 mtr

Water level → 80 feet

Streta :-

34-38 → 0.4 mtr  
43-47 → 0.4 mtr  
53-56 → 0.3 mtr

6.00	0.50
6.00	
6.00	
6.00	
4.50	
6.00	34.00
4.50	38.00
5.00	43.00
4.50	47.00
5.00	52.00
4.50	56.00
6.00	
	62.00

Note → 63 मी० से 66 मी० के मध्य cement sealing करनी होगी।

300mm dia Plain Pipe : X  
300X200 mm Reducer : X  
200mm dia Plain Pipe : 50.50 mtr  
200mm dia Slotted Pipe : 12.00 mtr  
Total : 62.50 mtr

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 108 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 14.April.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:-

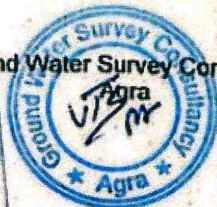
Mud Resistivity = 10.18 Ohms.

Drilling Water Resistivity = 11.61 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 - 20	15	Dry sand	
3.	20 - 34	14	Clay kankar	
4.	34 - 38	4	Fine to Medium sand	Med to Marginally
5.	38 - 43	5	Clay kankar	
6.	43 - 47	4	Fine to Medium sand	Med to Marginally
7.	47 - 53	6	Clay kankar	
8.	53 - 56	3	Fine sand	Med to Marginally
9.	56 - 67	11	Clay kankar	
10.	67 - 75	8	Sand & kankar	Saline
11.	75 - 81	6	Clay kankar	
12.	81 - 85	4	Fine sand	Saline
13.	85 - 108	23	Clay kankar	

Ground Water Survey Consultancy



KALPATARU

KALPATARU PROJECTS INTERNATIONAL LIMITED

WATER RESOURCES



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No: JMI ALIGARH KPIL 01

RFI no: JMI ALIGARH KPIL

Date: 14/04/2024

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: UTWARA

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"/>	Sluar	<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 - 550 LPM  
Assembly Size - 200mm ø x 200mm ø

On Date: 15/04/2024

Time:

Submitted By: AMITRANJAN KUMAR

Date: 14/04/24

Sign: Amit Ranjan Kumar

TPI (Aarvee)

Received 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