

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- TEHRA, BLOCK- ATRAULI, DISTT- ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs depth and Logged depth ~~100~~ 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 Mar.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 = 14.83 Ohms.

Drilling Water Resistivity = 16.25 Ohms.

Approx Water Level = 21 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Dry sand	
3.	18 - 21	3	Clay kankar	
4.	21 - 28	7	Fine sand	Medium
5.	28 - 43	15	Clay kankar	
6.	43 - 50*	7	Fine to Medium sand	Medium
7.	50 - 54	4	Clay kankar	
8.	54 - 63*	9	Medium sand	Medium
9.	63 - 68	5	Clay kankar	
10.	68 - 80*	12	Medium sand	Medium
11.	80 - 100	20	Clay kankar	

Sr No 0-55-63

Sr No 10-70-80

G. Sh
15/03/23



- Logging performed as per ISM guidelines
 - Ground water quality interrelated by ferrous per their logger calibration.



KALPATARU

KALPATARU POWER TRANSMISSION LIMITED

karvee associates
architects engineers & consultants pvt. ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh

Block:- **ATRAULI**

Scheme:- **TEHERA**

Rig No/ Type DC:-

Size of Bore:- **500 mm φ**

Under:- **JJM**

Assembly Size:- **NB 200mmφ**

Required LPM:- **395**

Contractor:- **KPTL**

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL		Pipe No. =	Drilling Started Date:- 10.03.2023 DPR Drilling Depth:- 110 mt
		Pipe No. =	Logging Started Date:- 15.03.2023 Logging Completed Date:- 15.03.2023
		Pipe No. =	Lowering Started Date :- 17.03.2023 Lowering Completed Date :- 17.03.23
		Pipe No. =	Housing Pipe φ :- MM M Above AGL φ :- 200 MM 0.5 M
		Pipe No. =	Plain Pipe φ :- 200 MM 66.16 M Slotted Pipe φ :- 200 MM 18.06 M
		Pipe No. =	Lowered Assembly:- 83.72 M Total Assembly+ AGL :- 84.22 M
		Pipe No. = 15 = 6.0m	Actual Drilling Depth:- 110 M MS H Frame:- 01
		Pipe No. = 14 = 6.01m	MS Ring:- 14 MS Reducer:- —
		Pipe No. = 13 = 6.02m	MS Bail Plug:- 01 MS Clamp:- 01
		Pipe No. = 12 = 6.01m	MS Well Cap:- 01 Centre Guide:- 02
		Pipe No. = 11 = 6.02m	
		Pipe No. = 10 = 6.03m	
		Pipe No. = 9 = 2m	
		Pipe No. = 8 = 6.01m	
	C.G		Pipe No. = 7 = 6.02m
		Pipe No. = 6 = 6.02m	
		Pipe No. = 5 = 6.01m	
		Pipe No. = 4 = 6.01	
		Pipe No. = 3 = 4m	
		Pipe No. = 2 = 6.03m	
		Pipe No. = 1 = 6.03m	
C.G Bail Plug			

[Signature]
Contractor (KPTL)
Representative

[Signature]
TPI 17-09-23
Representative

Client
Representative

PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01	RFI no: JJM/ALIGARH/KPTL/	Date : 16.03.2023
Contractor Name: Kalpataru Power Transmission Limited.	LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022	

Location of Work

District:	ALIGARH	Block :	ATRAULI	Scheme :	TEHARA
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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"/>
Shuttering <input type="checkbox"/>	Brick Work <input type="checkbox"/>	Plaster Work <input type="checkbox"/>	Painting <input type="checkbox"/>	Stand Post <input type="checkbox"/>
ising 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 :

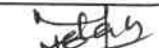
Date :

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="text"/>	

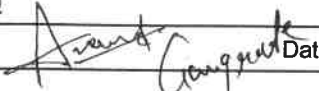
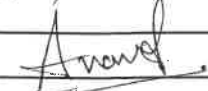
Work Description :

Tube well lowering.

On Date : 17.03.23	Time : 10:AM
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Submitted By : Taaif Habib	Date: 16.03.23	Time: 5:00 PM	Sign: 
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TPI (Aarvee)

Recieved By: 	Date: 17.03-23	Time:	Sign: 
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Comments :

Civil Department

E&M , I/C Department

NAME :	<input type="checkbox"/>	APPROVED	NAME :	<input type="checkbox"/>	APPROVED
DESIG :	<input type="checkbox"/>	APPROVED AS NOTED	DESIG :	<input type="checkbox"/>	APPROVED AS NOTED
SIGN:	<input type="checkbox"/>	REJECTED	SIGN:	<input type="checkbox"/>	REJECTED

02
 10
 100 mtr

G.P → Tehara, Block - Atrauli, Aligarh
 "Required → 395 LPM"

Strel

43-50 → 07 mtr
 54-63 → 09 mtr
 68-80 → 12 mtr

6.00	0.50
6.00	
6.00	
6.00	
6.00	
6.00	
2.00	
6.00	43.50
6.00	49.50
6.00	55.50
6.00	61.50
6.00	
4.00	71.50
6.00	77.50
6.00	
0	83.50

200 mm dia Plain pipe → 66.00 mtr

200 mm dia Slotted pipe → 18.00 mtr

Total → 84.00 mtr

ACL → 0.50 mtr

BAL 83.50 mtr