

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT - KHANPUR KHILAUDI, BLOCK - ATRAULI, DISTT - ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 115 mtrs depth and Logged depth ~~110 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 19 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 :-

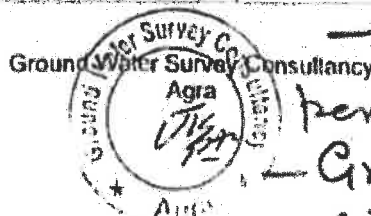
Mud Resistivity = ~~15.75 Ohms~~

Drilling Water Resistivity = ~~18.58 Ohms~~

Approx Water Level = 14 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Dry sand	
3.	10 - 14	4	Clay kankar	
4.	14 - 17	3	Fine sand	
5.	17 - 25	8	Clay kankar	
6.	25 - 42	17	Medium sand	Medium
7.	42 - 46	4	Clay kankar	
8.	46 - 60*	14	Medium sand	Medium
9.	60 - 70	10	Clay kankar	
10.	70 - 81*	11	Medium sand	Medium
11.	81 - 91	10	Clay kankar	
12.	91 - 103*	12	Medium sand & kankar	Medium
13.	103 - 110	7	Clay kankar	

G-Sh
20/03/23



— Logging performed as per SWSM guidelines. Groundwater quality interpreted by firm as per their logger calibration ratio.



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PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/

Date : 20/03/2023

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 : **Khanpur khitauli**

Following civil items are ready for inspection :

Date :

SBC Tube Well Excavation PCC RCC
 Shuttering Brick Work Plaster Work Painting Stand Post
 Lining 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 :

Tube well lowering.

On Date : 21.03.2023

Time : 12:00 PM

Submitted By **TAAIP** Date: 20.03.23 Time: 6:00 PM

Sign : *[Signature]*

TPI (Aarvee)

Received By _____ Date _____ Time _____ Sign _____

Comments :

Noor Adil Bahmani

Civil Department

E&M , I/C Department

NAME : APPROVED

NAME : APPROVED

DESIG : APPROVED AS NOTED

DESIG : APPROVED AS NOTED

SIGN: REJECTED

SIGN: REJECTED

78
 12

 90 mtr

G.P → Khanpur - Khatauli, Block - Akhauri, Aligarh

"Required → 200 LPM"

Stret.
 46 - 60 mtr
 70 - 81 → 09 mtr

6.00	0.50
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	
3.00	50.50
6.00	56.50
6.00	
3.00	
6.00	71.50
6.00	77.50
6.00	
n	83.50 ✓

200 mm Dia P.P → 72.00 mtr

200 mm Dia S.P → 12.00 mtr

Ptd 84.00 mtr

AGL → 0.50 mtr

OGL 83.50 mtr



KALPA-TARU

KALPATARU POWER TRANSMISSION LIMITED

aarvee associates
architects engineers & consultants Pvt. Ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh Block:- **ATRAULI** Scheme:- **Khanpur Khitauli**
 Rig No/ Type DC:- Size of Bore:- **500mmφ**
 Under:- JIM Assembly Size:- **NB 200mmφ** Required LPM:- **200 lpm**
 Contractor:- **KPTL**

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL		Pipe No. =	Drilling Started Date:- 15.03.2023
			DPR Drilling Depth:- 150mtr
		Pipe No. =	Logging Started Date:- 20.03.23
			Logging Completed Date:- 20.03.23
		Pipe No. =	Lowering Started Date :- 21.03.2023
			Lowering Completed Date :- 21.03.2023
		Pipe No. =	Housing Pipe Φ :- MM M
			Above AGL Φ :- 200 MM 0.5 M
		Pipe No. =	Plain Pipe Φ :- 200 MM 72.2 M
			Slotted Pipe Φ :- 200 MM 12.05 M
		Pipe No. =	Lowered Assembly:- 83.76 M
			Total Assembly+ AGL :- 84.26 M
		Pipe No. = 15 = 6.02	Actual Drilling Depth:- 100 M
			MS H Frame:- 01
		Pipe No. = 14 = 6.01m	MS Ring:- 14
		MS Reducer:- -	
	Pipe No. = 13 = 6.01m	MS Bail Plug:- 01	
		MS Clamp:- 01	
	Pipe No. = 12 = 6.03m	MS Well Cap:- 01	
		Centre Guide:- 02	
	Pipe No. = 11 = 6.02m		
	Pipe No. = 10 = 6.01m		
	Pipe No. = 9 = 6.02m		
	Pipe No. = 8 = 6.02m		
	Pipe No. = 7 = 6.01m		
	Pipe No. = 6 = 6.02m		
	Pipe No. = 5 = 6.02m		
	Pipe No. = 4 = 3m		
	Pipe No. = 3 = 6.02m		
	Pipe No. = 2 = 6.03m		
	Pipe No. = 1 = 6.01m		

C.G

C.G
Bail Plug

[Signature]
 Contractor
 Representative

[Signature]

TPI
Representative

Client
Representative