

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 105 mtrs. depth. and Logged depth ~~94~~ 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 21.June.2023.

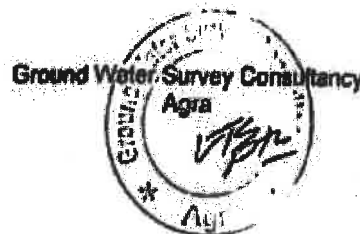
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = ~~15.46~~ Ohms.

Drilling Water Resistivity = ~~16.72~~ 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 - 8	3	Clay kankar	
3.	8 - 15	7	Fine sand	
4.	15 - 25	10	Clay kankar	
5.	25 - 40	15	Medium sand	Medium
6.	40 - 52	12	Clay kankar	
7.	52 - 69*	17	Medium sand	Medium
8.	69 - 74	5	Clay kankar	
9.	74 - 83*	9	Medium sand	Medium
10.	83 - 94	11	Clay kankar	



- Logging performed as per SWSM guidelines
- Groundwater quality interpreted by firm as per their logger calibration!

G-CH
23/06/23



KALPATARU

KALPATARU POWER TRANSMISSION LIMITED

Maarvee associates
architects engineers & consultants pvt. ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh

Block:- **HT RAULI**

Scheme:- **KHEOLIYA TA. CHAGARI**

Rig No/ Type DC:-

Size of Bore:-

Under:- JJM

Assembly Size:- **200x200**

Required LPM:- **180**

Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL		Pipe No. =	Drilling Started Date:- 21/06/23 DPR Drilling Depth:- 105
		Pipe No. =	Logging Started Date:- 23/06/23 Logging Completed Date:- 23/06/23
		Pipe No. =	Lowering Started Date:- 25/06/23 Lowering Completed Date:- 25/6/23
	0.57	Pipe No. =	Housing Pipe Ø :- MM M Above AGL Ø :- MM M
	7.11.11	Pipe No. =	Plain Pipe Ø :- 200MM 10.07 M Slotted Pipe Ø :- 200MM 10 M
		Pipe No. = 16 < 6.01	Lowered Assembly:- 87.5 M Total Assembly+ AGL :- 87.5+0.57 M
		Pipe No. = 15 < 6.01	Actual Drilling Depth:- 105 M MS H Frame:- 01
		Pipe No. = 14 = 6.02	MS Ring:- 15 Nos MS Reducer:-
		Pipe No. = 13 = 6.00	MS Ball Plug:- 01 MS Clamp:- 01
		Pipe No. = 12 = 6.00	MS Well Cap:- 01 Centre Guide:- 02
		Pipe No. = 11 < 6.02	
		Pipe No. = 10 = 6.01	
		Pipe No. = 9 = 6.00	
		Pipe No. = 8 = 6.00	
	53.50	Pipe No. = 7 < 6.00	
LCG	65.50	Pipe No. = 6 < 6.00	
LCG		Pipe No. = 5 < 6.00	
		Pipe No. = 4 < 2.00	
	75.50	Pipe No. = 3 < 2.00	
		Pipe No. = 2 < 6.00	
LCG	81.5	Pipe No. = 01 < 6.0M	
Ball Plug	87.5		

(Signature)
Contractor
Representative

(Signature)
TPI
Representative

Client
Representative



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTLU/01

RFI no: JJM/ALIGARH/KPTLU

Date : 24/06/23

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: KHADIA To (at) ALIGARH

Following civil items are ready for inspection :

Date :

- SBC, Tube Well, Excavation, PCC, RCC, Drilling, Logging, Lowering, OP Unit, Column, Shuttering, Brick Work, Plaster Work, Painting, Stand Post, Rising 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 Pulley, 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 :

Lowering Tubewell lowering work, Depth - 10.5m

LPM - 180

Assembly - 200x200mm phi

On Date: 24/06/23

Time: 10:00AM

Submitted By RAMANAND

Date:

Time 10.00 AM

Sign

[Signature]

TPI (Aarvee)

Received By Date Time Sign

Comments :

Civil Department

E&M, I/C Department

NAME: APPROVED NAME: APPROVED
DESIG: APPROVED AS NOTED DESIG: APPROVED AS NOTED
SIGN: REJECTED SIGN: REJECTED

G.P. : Kheidiq Ta Lohaganh.

Block : Atraceli

District : Aligarh

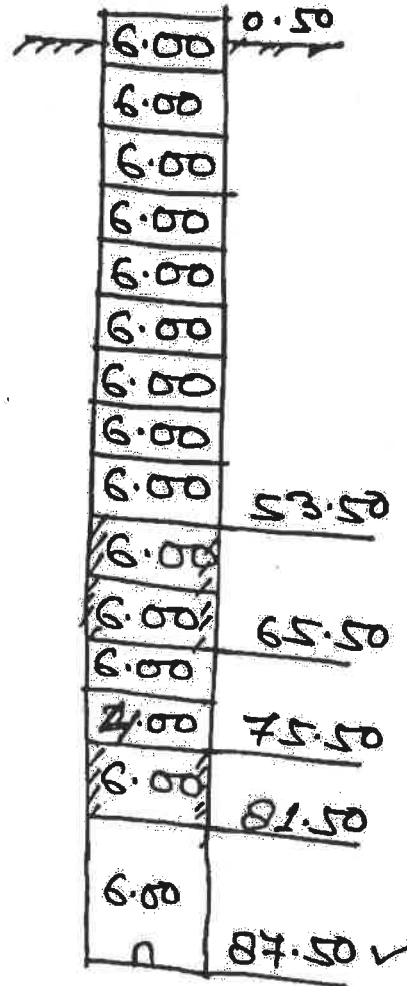
Required : 180 LPM

300mm dia Plain Pipe : X
200mm dia Plain Pipe : 78
200mm dia Slotted Pipe : 12
90mtr

Streta :-

S2-69 → 17mtr

74-83 → 09mtr



300mm dia Plain Pipe : X
300X200 mm Reducer : X
200mm dia Plain Pipe : 70.00 mtr
200mm dia Slotted Pipe : 18.00 mtr

Total	: 88.00 mtr
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