



# REPORT ON GEOPHYSICAL WELL LOGGING

AT  
EDALPUR

SHUKHA PANCHAYAT - BLOCK - DIHANIPUR, DISTT- ALIGARH  
UNDER  
JAL JIVAN MISSION

## Introduction:

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 101 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 13.April.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 = 15.29 Ohms.

Drilling Water Resistivity = 16.36 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	
3.	10 - 28	18	Medium sand	Medium
4.	28 - 38	10	Clay kankar	
5.	38 - 48*	10	Medium sand	Medium
6.	48 - 64	16	Clay kankar	
7.	64 - 71*	7	Fine to Medium sand	Medium
8.	71 - 75	4	Kankar	
9.	75 - 85*	10	Fine to Medium sand	Medium
10.	85 - 87	2	Clay kankar	
11.	87 - 95*	8	Fine to Medium sand	Medium
12.	95 - 101	6	Clay kankar	

G.Sh  
19/04/23

Ground Water Survey Consultancy



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



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/

Date : 16/04/2022

Contractor Name: Kalpataru Power Transmission Limited.

LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022

Location of Work

DISTRICT: ALIGARH BLOCK: Dhandpur SCHEME: Edalpur

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 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 :

Handwritten work description: Tubewell ms pipe lowering work, Required discharge - 500Lpm, Depth - 110 mtr, Assembly size - 200mm dia x 200mm

On Date : 17/04/2022

Time : 10:00AM

Submitted By AMIT RANJAN KUMAR

Date: 17/04/2022 Time 10.00 AM

Sign: Amit Ranjan Kumar

TPI (Aarvee)

Received By Manish Dandia

Date 16/04/22

Sign: Manish

Comments :

Handwritten comment: Lowering work complete.

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. → Fadalpur, Block Dhanipur, Aligarh

Required → "500 LPM"

#6

24

100 mtr

Streets

38-48 → 10 mtr

64-71 → 07 mtr

75-85 → 10 mtr

87-98 → 08 mtr

6.00	0.50
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	41.50
6.00	47.50
6.00	
5.00	
6.00	64.50
6.00	70.50
6.00	76.50
6.00	82.50
5.00	87.50
6.00	93.50
6.00	99.50

200 mm dia Plain pipe → 76.00 mtr

200 mm dia Stalled pipe → 24.00 mtr

100 mtr



**KALPATARU**

KALPATARU POWER TRANSMISSION LIMITED

Maavee associates  
architects engineers & consultants pvt. ltd.



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

District:- Aligarh	Block:- Dhanupur	Scheme:- Edolpur
Rig No/ Type DC:- DC	Size of Bore:- 500mmφ x 500mmφ	
Under:- JJM	Assembly Size:- 200mmφ x 200mmφ	Required LPM:- 500 lpm
Contractor:- KPTL		

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL		Pipe No. =	Drilling Started Date:- 07/04/2022 DPR Drilling Depth:- 110Mtr
		Pipe No. =	Logging Started Date:- 13/04/2023 Logging Completed Date:- 13/04/2023
		Pipe No. =	Lowering Started Date :- 17/04/2023 Lowering Completed Date :-
		Pipe No. =	Housing Pipe φ :- MM M Above AGL φ :- 200 MM 0.83 M
		Pipe No. = 17	Plain Pipe φ :- 200 MM 76.43 M Slotted Pipe φ :- 200 MM 24 M
		Pipe No. = 16	Lowered Assembly:- 09.60 M Total Assembly+ AGL :- 93.60+0.83 M
		Pipe No. = 15	Actual Drilling Depth:- 110Mtr M MS H Frame:- 200mmφ - 1N4
		Pipe No. = 14	MS Ring:- 17 N4, 200mmφ MS Reducer:-
		Pipe No. = 13	MS Bail Plug:- 01, 200mmφ MS Clamp:- 01, 200mmφ
		Pipe No. = 12	MS Well Cap:- 01, 200mmφ Centre Guide:- 02, 200mmφ
		Pipe No. = 11	
		Pipe No. = 10	
		Pipe No. = 9	
		Pipe No. = 8	
		Pipe No. = 7	
	Pipe No. = 6		
	Pipe No. = 5		
	Pipe No. = 4		
	Pipe No. = 3		
	Pipe No. = 2		
	Pipe No. = 1		
Bail Plug	6.05	99.60	

Amit Ranjan Kumar  
Contractor  
Representative

*[Signature]*  
TPI  
Representative

Client  
Representative