

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHARGUPURA WSS, BLOCK- GANGIRI, DISTT- ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 115 mtrs. depth. and Logged depth ~~105~~ mtrs. at above site. Was drilled by M/s Kalptaru Power Transmission limited, Aligarh.

On the request of M/s Kalptaru Power Transmission limited, Aligarh. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 25.Feb.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 = 14.54 ~~Ohms~~.

Drilling Water Resistivity = 15.64 ~~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	Dry sand	
3.	8 - 11	3	Clay	
4.	11 - 30	19	Fine to Medium sand	Medium
5.	30 - 40	10	Clay kankar	
6.	40 - 45*	5	Medium sand	Medium
7.	45 - 54	9	Clay kankar	
8.	54 - 70*	16	Medium sand	Medium
9.	70 - 80	10	Clay kankar	
10.	80 - 85	5	Kankar	
11.	85 - 105	20	Clay kankar	



— Logging performed as per 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/ 25

Date : 1-03-2023

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: GANGIRI SCHEME: KHARGUPURA

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 :

Lowering of Bore well
Co-ordinate - 27.876118N, 78.306567E

On Date : 1-03-2023 Time : 10:00AM

Submitted By : Gaurav Kumar Date: 28-02-23 Time 10.00 AM Sign: Gaurav

TPI (Aarvee)

Recieved 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

78
 12
 90m

G.P. → Khargapura, Block - Congisi, Aligarh
 "Required" → 255100"

40-45 → 05 mtr

54-70 → 16 mtr

6.00	0.50
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	41.50
3.00	44.50
6.00	
4.00	54.50
16.00	
3.00	
6.00	69.50
6.00	75.50 ✓

200 mm dia plain pipe → 58.00 mtr

200 mm dia. Shiled pipe → 18.00 mtr

Plot 76.00 mtr

AGL (-) 0.50 mtr

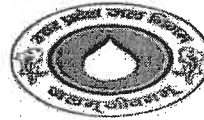
BGL 75.50 mtr



KALPA-TARU

KALPATARU POWER TRANSMISSION LIMITED

arvee associates
architects engineers & consultants pvt. ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh

Block:- **GANGIRI**

Scheme:- **Kharigu puria WSS**

Rig No/ Type DC:-

Size of Bore:-

Under:- JJM

Assembly Size:- **200MM**

Required LPM:- **255 LPM**

Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
		Pipe No. =	Drilling Started Date:- 22/02/23 DPR Drilling Depth:- 115m
		Pipe No. =	Logging Started Date:- 25/02/23 Logging Completed Date:- 28/02/23
		Pipe No. =	Lowering Started Date :- 1/3/23 Lowering Completed Date :- 1/3/23
		Pipe No. =	Housing Pipe Φ :- MM M Above AGL Φ :- 500 MM 0.59 M
		Pipe No. =	Plain Pipe Φ :- 200 MM 57.2 M Slotted Pipe Φ :- 200 MM 18.06 M
		Pipe No. =	Lowered Assembly:- M Total Assembly+ AGL :- 76.10 M
		Pipe No. =	Actual Drilling Depth:- 100 M MS H Frame:- 1 500MM
		Pipe No. = 14 = 6.00	MS Ring:- 13/00 200MM L/S Reducer:-
		Pipe No. = 13 = 6.03	MS Bail Plug:- 01 NO 200MM MS Clamp:- 01 NO 200MM
		Pipe No. = 12 = 6.01	MS Well Cap:- 01 NO 200MM Centre Guide:- 02 NO 200MM
		Pipe No. = 11 = 6.01	
		Pipe No. = 10 = 6.02	
		Pipe No. = 9 = 6.02	
		Pipe No. = 8 = 6.00	
	41.50	Pipe No. = 7 = 3.01	
	44.51	Pipe No. = 6 = 6.00	
		Pipe No. = 5 = 4.00	
	54.51	Pipe No. = 4 = 6.02	
		Pipe No. = 3 = 3.00	
		Pipe No. = 2 = 6.03	
	69.56	Pipe No. = 1 = 6.03	

(Signature)
Contractor
Representative

(Signature)
TPI
Representative

Client
Representative