

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SINGHARPUR, BLOCK- LODHA, DISTT- ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth ~~107~~ 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 27.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:-

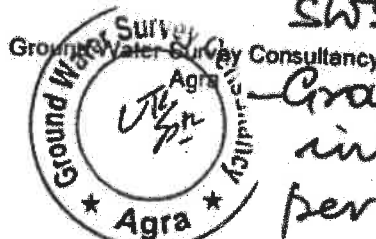
Mud Resistivity = 14.33 ~~Ohms~~.

Drilling Water Resistivity = 15.52 ~~Ohms~~.

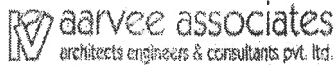
Approx Water Level = 24 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 17	12	Dry sand	
3.	17 - 25	8	Fine sand	
4.	25 - 33	8	Clay kankar	
5.	33 - 43	10	Medium sand	Medium
6.	43 - 55	12	Clay kankar	
7.	55 - 62*	7	Medium sand	Medium
8.	62 - 70	8	Clay kankar	
9.	70 - 77*	7	Medium sand	Medium
10.	77 - 107	30	Clay kankar	

GSh
09/03/23



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



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/ 27

Date : 3-3-2023

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: Lodha SCHEME: Singhaspur WSS

Following civil items are ready for inspection :

Date :

- SBC, Tube Well, Excavation, PCC, RCC, Driling, 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 :

(1) Lowering of Tubewell Co-ordinate - 27.815808N, 78.027633E

On Date: 3-03-2023

Time: 10:00AM

Submitted By: Gaurav Kumar

Date: 2-03-23 Time 10.00 AM

Sign

Gaurav Kumar

TPI (Aarvee)

Received By: Anu Jha

Date: 04/03/23

Sign

Anu Jha

Comments :

IDPT kit not available at site.

Anu Jha

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. → Singharpur, Block-Lodha, Aligarh

Required → "420 LPM"

82
18

100 mtr

Streets

33-43 → 10 mtr

55-62 → 07 mtr

70-77 → 07 mtr

6.00	0.50
6.00	
6.00	
6.00	
6.00	
6.00	25.50
6.00	41.50
6.00	
2.00	
6.00	55.50
6.00	61.50
6.00	
2.00	70.50
6.00	76.50
6.00	82.50 ✓

200 mm dia Plain pipe → 65 mtr

200 mm dia Slotted pipe → 18.00 mtr

Net 83.50 mtr

ACL (-) 0.50 mtr

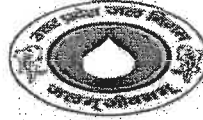
Bl 82.50 mtr



KALPATARU

KALPATARU POWER TRANSMISSION LIMITED

kaarvee associates
architects engineers & consultants pvt. ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

03/03/23

District:- Aligarh

Block:- Lodha

Scheme:- Singhapur w 88

Rig No/ Type DC:-

Size of Bore:-

Under:- JJM

Assembly Size:- 200mm

Required LPM:- 420 LPM

Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
		Pipe No. =	Drilling Started Date:- 21/02/2022
			DPR Drilling Depth:- 2910MH
		Pipe No. =	Logging Started Date:- 26/02/2022
			Logging Completed Date:- 24/02/2022
		Pipe No. =	Lowering Started Date :- 03/03/2022
			Lowering Completed Date :- 03/03/2022
		Pipe No. =	Housing Pipe Φ :- 200 MM M
			Above AGL Φ :- 200 MM 0.5 M
		Pipe No. =	Plain Pipe Φ :- 200 MM 64.16 M
			Slotted Pipe Φ :- 200 MM 18.39 M
		Pipe No. =	Lowered Assembly:- 82.55 M
			Total Assembly+ AGL :- 82.55 + 0.5 M
		Pipe No. = 15 = 6.03	Actual Drilling Depth:- 110MH M
			MS H Frame:- 01 NH, 200mm Ø
		Pipe No. = 14 = 6.02	MS Ring:- 14NH, 200mm Ø
			MS Reducer:-
		Pipe No. = 13 = 6.03	MS Bail Plug:- 1 NH, 200mm Ø
			MS Clamp:- 1 NH, 200mm Ø
		Pipe No. = 12 = 5.95	MS Well Cap:- 1 NH, 200mm Ø
			Centre Guide:- 04 NH, 200mm Ø
		Pipe No. = 11 = 6.03	
		Pipe No. = 10 = 6.02	
	35.50	Pipe No. = 9 = 6.30	
	41.80	Pipe No. = 8 = 6.03	
		Pipe No. = 7 = 6.03	
		Pipe No. = 6 = 1.64	
	55.50	Pipe No. = 5 = 6.08	
	61.58	Pipe No. = 4 = 6.04	
		Pipe No. = 3 = 2.88	
	70.50	Pipe No. = 2 = 6.01	
	76.51	Pipe No. = 1 = 6.04	
	82.55		

General Contractor Representative

TPI Representative

Client Representative