

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MUSEPUR JALAL, BLOCK- DHANIPUR, DISTT- ALIGARH UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 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 17.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 = ~~12.41~~ Ohms.

Drilling Water Resistivity = ~~13.30~~ Ohms.

Approx Water Level = 26 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 26	10	Dry sand	
3.	26 - 33	7	Fine sand	
4.	33 - 43	10	Clay kankar	
5.	43 - 55*	12	Medium sand	Medium
6.	55 - 61	7	Clay kankar	
7.	61 - 66*	5	Medium sand	Med to Marginally
8.	66 - 74	8	Clay kankar	
9.	74 - 80	6	Sand & kankar	Med to Marginally
10.	80 - 84	4	Clay kankar	
11.	84 - 88*	4	Fine to medium sand	Med to Marginally
12.	88 - 95	7	Clay kankar	
13.	95 - 99*	4	Medium sand	Med to Marginally
14.	99 - 110	11	Clay kankar	

Ground Water Survey Consultancy



- Logging performed as per SWM guideline
- Groundwater quality interpreted by few as per their logger calibration
G.S. 12



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/

Date : 21/06/23

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: DHANIPUR SCHEME: MOSEPUR JAMAZ

Following civil items are ready for inspection :

Date :

- SBC [] Tube Well [x] Excavation [] PCC [x] 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 :

To be well lowering work LPM- 350

Drill depth- 120M

Assembly - 200x200 mm

On Date: 29/06/23

Time: 10:00AM

Submitted By RAMANAND

Date:

Time 10.00 AM

Sign

TPI/Aarvee

Received By MOHD ASIM

Date

Time

Sign

Comments: 1) Mud pit Area was not barricaded with hard barricading.
2) PPE's must be provided to workmen engaged in lowering works.

Civil Department

E&M, I/C Department

NAME: [] APPROVED

NAME: [] APPROVED

DESIG: [] APPROVED AS NOTED

DESIG: [] APPROVED AS NOTED

SIGN: [] REJECTED

SIGN: [] REJECTED



KALPATARU

KALPATARU POWER TRANSMISSION LIMITED

arvee associates
architects engineers & consultants pvt. ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh Block:- **DHANIPUR** Scheme:- **MUSEPUR JALGA**

Rig No/ Type DC:- **DC** Size of Bore:- **500MMØ X 500MMØ**

Under:- **JJM** Assembly Size:- **200MMØ X 200MMØ** Required LPM:- **350**

Contractor:- **KPTL**

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL		Pipe No. =	Drilling Started Date:- 24/04/2023
			DPR Drilling Depth:- 110
	0.58	Pipe No. =	Logging Started Date:- 18-06-2023
	 		Logging Completed Date:- 18-06-2023
	 	Pipe No. =	Lowering Started Date:- 23-06-2023
	 		Lowering Completed Date:- 24-06-2023
		Pipe No. = 18 = 6.02	Housing Pipe Ø:- MM M
			Above AGL Ø:- MM M
		Pipe No. = 17 = 6.01	Plain Pipe Ø:- 200 MM 73.58 M
			Slotted Pipe Ø:- 200 MM 21 M
		Pipe No. = 16 = 6.00	Lowered Assembly:- 88 M
			Total Assembly+ AGL:- 88 + 0.58 M
		Pipe No. = 15 = 6.02	Actual Drilling Depth:- 120 M
			MS H Frame:- 01 NOS
		Pipe No. = 14 = 6.01	MS Ring:- 17 NOS
			MS Reducer:-
		Pipe No. = 13 = 6.02	MS Bail Plug:- 01 NOS
			MS Clamp:- 01 NOS
		Pipe No. = 12 = 1.50	MS Well Cap:- 01 NOS
			Centre Guide:- 02 NOS
	43.50	Pipe No. = 11 = 6.00	
LLG	 	Pipe No. = 10 = 6.00	
LLG	 	Pipe No. = 9 = 6.00	
	55.00		
	61.00	Pipe No. = 8 = 6.00	
LLG	 	Pipe No. = 7 = 2.00	
LLG	 	Pipe No. = 6 = 3.00	
	66.00		
		Pipe No. = 5 = 6.00	
		Pipe No. = 4 = 6.00	
	84.00	Pipe No. = 3 = 6.00	
LLG	 	Pipe No. = 2 = 4.00	
	88.00		
Bail Plug		Pipe No. = 1 = 6.00	

[Signature]
Contractor
Representative

[Signature]
TPI
Representative

Client
Representative



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/

Date : 19/06/2023

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: DHANI PUR SCHEME: MUSE PUR JALAL

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 :

electro logging work

On Date : 19/06/2023

Time : 10:00AM

Submitted By Ashutosh Pandey

Date:

Time 10.00 AM

Sign

[Signature]

TPI/Aarvee

Received By MOHD ASIM

Date

Time

Sign

[Signature]

Comments :

Civil Department

E&M, I/C Department

NAME : APPROVED

NAME : APPROVED

DESIG : APPROVED AS NOTED

DESIG : APPROVED AS NOTED

SIGN: REJECTED

SIGN: REJECTED



aarvee associates
architects engineers & consultants pvt. ltd.



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no:
JJM/ALIGARH/KPTL/

Date : 27/08/2023

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: Dhanipur SCHEME: Musapur Jaldel

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 :

Rig machine installation work, drilling work.

On Date :

Time : 10:00AM

Submitted By Ashutosh Pandey

Date:

Time 10.00 AM

Sign

Ashutosh Pandey

TPI (Aarvee)

Received By MOHD ASIM

Date

Time

Sign

M. Asim

Comments :

Civil Department

E&M, I/C Department

NAME :

APPROVED

NAME :

APPROVED

DESIG :

APPROVED AS NOTED

DESIG :

APPROVED AS NOTED

SIGN:

REJECTED

SIGN:

REJECTED

