

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ROHINA SINGHAPUR, BLOCK- AKRADAID, DISTT- ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 116 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 07.July.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 = 15.87 Ohms.

Drilling Water Resistivity = 16.40 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 - 9	4	Clay kankar	
3.	9 - 16	7	Medium sand	
4.	16 - 21	5	Clay kankar	
5.	21 - 29	8	Medium sand	Medium
5.	29 - 38	9	Clay kankar	
6.	38 - 47*	9	Medium sand	Medium
7.	47 - 75	28	Clay kankar	
8.	75 - 81*	6	Medium sand	Medium
9.	81 - 104	23	Clay kankar	
10.	104 - 110*	6	Fine to medium sand	Medium
11.	110 - 116	6	Clay kankar	



G.P. : *Rotini Singhapur*

Block : *Chowpur*

District : *Aligarh*

Required : 705 LPM

300mm dia Plain Pipe : 48
200mm dia Plain Pipe : 32
200mm dia Slotted Pipe : 30
110 mtr

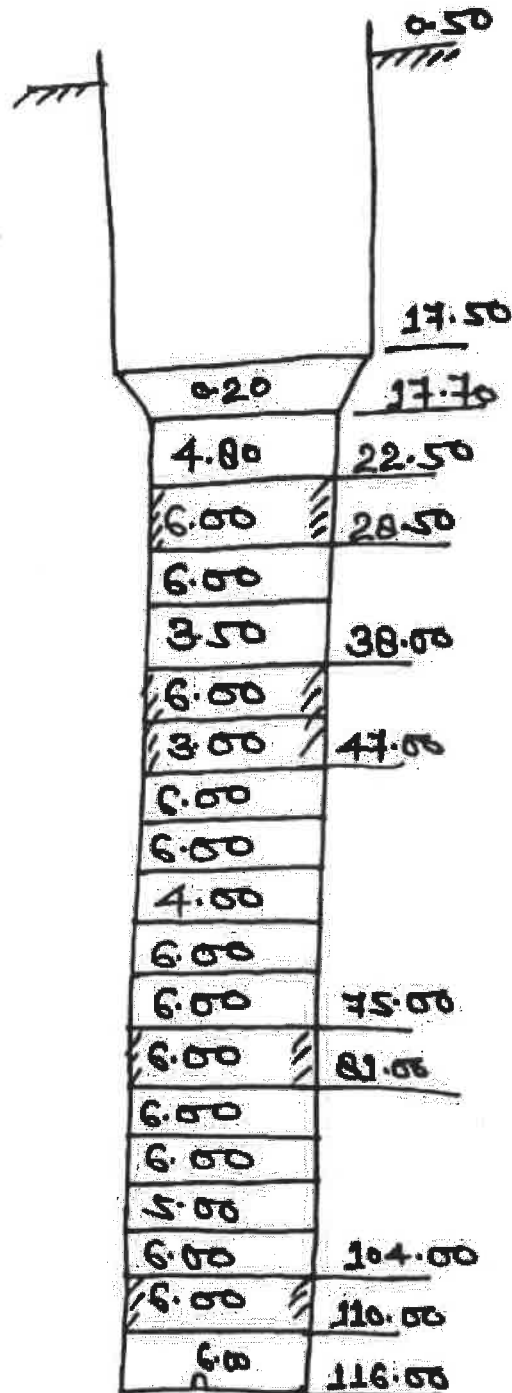
Streta :-

21-29 - 08 mtr

38-47 → 09 mtr

75-81 → 06 mtr

104-110 → 06 mtr



300mm dia Plain Pipe : 18.00 mtr
300X200 mm Reducer : 0.20 mtr
200mm dia Plain Pipe : 71.30 mtr
200mm dia Slotted Pipe : 24.00 mtr

Total : 116.50 mtr



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01	RFI no: JJM/ALIGARH/KPTL/	Date : 7/7/23
Contractor Name: Kalpataru Power Transmission Limited.	LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022	

Location of Work

DISTRICT: ALIGARH	BLOCK: DHAMIPUR	SCHEME: ROHINI SINGHARUN
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Following civil items are ready for inspection : Date :

SBC <input type="checkbox"/>	Tube Well <input type="checkbox"/>	Excavation <input type="checkbox"/>	PCC <input type="checkbox"/>	RCC <input type="checkbox"/>
Drilling <input type="checkbox"/>	Logging <input checked="" type="checkbox"/>	Lowering <input type="checkbox"/>	OP Unit <input type="checkbox"/>	Column <input type="checkbox"/>
Shuttering <input type="checkbox"/>	Brick Work <input type="checkbox"/>	Plaster Work <input type="checkbox"/>	Painting <input type="checkbox"/>	Stand Post <input type="checkbox"/>
Rising Main <input type="checkbox"/>	Backfilling <input type="checkbox"/>	M.S. Wicket Gate/ Window <input type="checkbox"/>	Interlocking Tile <input type="checkbox"/>	
HDPE Pipeline <input type="checkbox"/>	Others <input type="text"/>			

Following Mechanical, Electrical, C&I items are ready for inspection : Date :

Instrumentation <input type="checkbox"/>	Welding <input type="checkbox"/>	Valves <input type="checkbox"/>	Chain Pully <input type="checkbox"/>	DG Set <input type="checkbox"/>
Pump Set <input type="checkbox"/>	Stabilizer <input type="checkbox"/>	Pannel <input type="checkbox"/>	Sloar <input type="checkbox"/>	Chlorinating Plant <input type="checkbox"/>
Lighting <input type="checkbox"/>	EMF Meter <input type="checkbox"/>	Level / Pressure Transmitter <input type="checkbox"/>	RTU <input type="checkbox"/>	
Earthing cable <input type="checkbox"/>	Starter <input type="checkbox"/>	Piping- DI () HDPE () MS () MDPE ()	Others <input type="text"/>	

Work Description :

Electro logging work.

On Date : 7/7/23 Time : 10:00AM

Submitted By RAMANAND Date: Time 10.00 AM Sign Ramanand

TPI (Aarvee)

Recieved By MOHD. ASFM Date: Time Sign M. Asfm

Comments :

Civil Department		E&M, I/C Department	
NAME :	<input type="checkbox"/> APPROVED	NAME :	<input type="checkbox"/> APPROVED
DESIG :	<input type="checkbox"/> APPROVED AS NOTED	DESIG :	<input type="checkbox"/> APPROVED AS NOTED
SIGN:	<input type="checkbox"/> REJECTED	SIGN:	<input type="checkbox"/> REJECTED



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01	RFI no: JJM/ALIGARH/KPTL/	Date : 09/07/23
Contractor Name: Kalpataru Power Transmission Limited.	LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022	

Location of Work

DISTRICT: ALIGARH	BLOCK: DHANIDUR	SCHEME: ROHNI SINGHAPUR
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Following civil items are ready for inspection : Date :

SBC <input type="checkbox"/>	Tube Well <input type="checkbox"/>	Excavation <input type="checkbox"/>	PCC <input type="checkbox"/>	RCC <input type="checkbox"/>
Drilling <input checked="" type="checkbox"/>	Logging <input type="checkbox"/>	Lowering <input type="checkbox"/>	OP Unit <input type="checkbox"/>	Column <input type="checkbox"/>
Shuttering <input type="checkbox"/>	Brick Work <input type="checkbox"/>	Plaster Work <input type="checkbox"/>	Painting <input type="checkbox"/>	Stand Post <input type="checkbox"/>
Rising Main <input type="checkbox"/>	Backfilling <input type="checkbox"/>	M.S. Wicket Gate/ Window <input type="checkbox"/>	Interlocking Tile <input type="checkbox"/>	
HDPE Pipeline <input type="checkbox"/>	Others <input type="checkbox"/>			

Following Mechanical, Electrical, C&I items are ready for inspection : Date :

Instrumentation <input type="checkbox"/>	Welding <input type="checkbox"/>	Valves <input type="checkbox"/>	Chain Pully <input type="checkbox"/>	DG Set <input type="checkbox"/>
Pump Set <input type="checkbox"/>	Stabilizer <input type="checkbox"/>	Pannel <input type="checkbox"/>	Sloar <input type="checkbox"/>	Chlorinating Plant <input type="checkbox"/>
Lighting <input type="checkbox"/>	EMF Meter <input type="checkbox"/>	Level / Pressure Transmitter <input type="checkbox"/>	RTU <input type="checkbox"/>	
Earthing cable <input type="checkbox"/>	Starter <input type="checkbox"/>	Piping- DI () HDPE () MS () MDPE ()	Others <input type="checkbox"/>	

Work Description :
 Rig machine installation and drilling work.

On Date : 09/07/23	Time : 10:00AM
Submitted By RAMANAND	Date: Time 10.00 AM Sign R. Manand
TPI (Aarvee)	
Reclived By MOHD ASFA	Date: Time Sign M. Asfa

Comments :

Civil Department		E&M, I/C Department	
NAME :	<input type="checkbox"/> APPROVED	NAME :	<input type="checkbox"/> APPROVED
DESIG :	<input type="checkbox"/> APPROVED AS NOTED	DESIG :	<input type="checkbox"/> APPROVED AS NOTED
SIGN:	<input type="checkbox"/> REJECTED	SIGN:	<input type="checkbox"/> REJECTED



KALPATARU

KALPATARU POWER TRANSMISSION LIMITED

aarvee associates
architects engineers & consultants pvt. ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh

Block:- DHANIPUR

Scheme:- ROHINI SINGHAPUR

Rig No/ Type DC:- DC

Size of Bore:- 600mm x 500mm

Under:- JJM

Assembly Size:- 300mm x 200mm

Required LPM:- 705

Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL		Pipe No. =	Drilling Started Date:- 04/7/23
			DPR Drilling Depth:- 120MM
		Pipe No. =	Logging Started Date:- 7/7/23
			Logging Completed Date:- 7/7/23
		Pipe No. = 21 = 6.00	Lowering Started Date :- 10/7/23
			Lowering Completed Date :-
		Pipe No. = 20 = 6.00	Housing Pipe Φ :- MM M
			Above-AGL Φ :- 300 MM 18 M PLAMP PIPE.
		Pipe No. = 19 = 6.00	Plain Pipe Φ :- 300 MM 71.30 M
			Slotted Pipe Φ :- 200 MM 27.00 M
		Pipe No. = 18 = 4.80	Lowered Assembly:- 116 M M
			Total Assembly+ AGL :- 116 + 0.5 M M
		Pipe No. = 17 = 6.00	Actual Drilling Depth:- 130 M M
			MS H Frame:- 01
		Pipe No. = 16 = 6.00	MS Ring:- 300MM - 2 NOS, 200MM - 17 NOS
			MS Reducer:- 01
		Pipe No. = 15 = 3.50	MS Bail Plug:- 01
			MS Clamp:- 01
		Pipe No. = 14 = 6.00	MS Well Cap:- 01
			Centre Guide:- 02
	Pipe No. = 13 = 3.00		
	Pipe No. = 12 = 6.00		
	Pipe No. = 11 = 6.00		
	Pipe No. = 10 = 4.00		
	Pipe No. = 9 = 6.00		
	Pipe No. = 8 = 6.00		
	Pipe No. = 7 = 6.00		
	Pipe No. = 6 = 6.00		
	Pipe No. = 5 = 6.00		
	Pipe No. = 4 = 5.00		
	Pipe No. = 3 = 6.00		
	Bail Plug		
		Pipe No. = 2 = 6.00	
		Pipe No. = 1 = 6.00	

Contractor Representative

TPI Representative

Client Representative



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 : 08/07/23

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 : ROHINI SINGHAPUR

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 :

Tube well lowering work. Assembly - 300x300MM φ

LPm - 705 Drill depth - 120m

On Date : 09/07/23 Time : 10:00AM

Submitted By : RAMANAND Date: Time 10.00 AM Sign: Ramanand

Recieved By : MOHD. ASIM Date: Time Sign: M. Asim

Comments :

Civil Department		E&M , I/C Department	
NAME :	<input type="checkbox"/> APPROVED	NAME :	<input type="checkbox"/> APPROVED
DESIG :	<input type="checkbox"/> APPROVED AS NOTED	DESIG :	<input type="checkbox"/> APPROVED AS NOTED
SIGN:	<input type="checkbox"/> REJECTED	SIGN:	<input type="checkbox"/> REJECTED