

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAFAYATPUR URF SADHA, BLOCK- GONDA, DISTT- ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 115 mtrs. depth. and Logged depth 115 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 08.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 = 14.70 Ohms.

Drilling Water Resistivity = 15.42 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 16	11	Clay kankar	
3.	16 - 28	12	Medium sand	Medium
4.	28 - 35	7	Clay kankar	
5.	35 - 40*	5	Fine to Medium sand	Med to Marginally
6.	40 - 59	19	Clay kankar	
7.	59 - 64*	5	Fine to medium sand	Med to Marginally
8.	64 - 115	51	Clay kankar	

Ground Water Survey Consultancy



G.P. : Rajayazpur

Block : Gonda,

District : Aligarh,

Required : 470 LPM

300mm dia Plain Pipe : X
200mm dia Plain Pipe : 76
200mm dia Slotted Pipe : 24
100 mtr

Stretta :-

16-28 → 12 mtr

35-40 → 05 mtr

59-64 → 05 mtr

	6.00	0.50
	6.00	
⊗	1.50	
	6.00	10.50
	6.00	
	3.00	24.50
	6.00	
⊗	2.00	35.50
	4.00	39.50
	6.00	
	6.00	
⊗	2.00	
	6.00	52.50
	4.00	63.50
	1.00	
	6.00	70.50 ✓

300mm dia Plain Pipe : X

300X200 mm Reducer : X

200mm dia Plain Pipe : 54.00 mtr

200mm dia Slotted Pipe : 17.00 mtr

Total : 71.00 mtr



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 : 08/7/23
Contractor Name: Kalpataru Power Transmission Limited.	LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022	

Location of Work

DISTRICT:	ALIGARH	BLOCK :	GONDA	SCHEME :	RAFAYAPUR
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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 : 08/7/23	Time : 10:00AM
Submitted By : RAMANAND	Date: _____ Time 10.00 AM Sign: Ramanand
IPI (Aarvee)	
Reclved 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



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

05/7/23

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/

Date: RAJAPUR

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: GONDA SCHEME: RAJAPUR

Following civil items are ready for inspection : Date :
SBC [] Tube Well [] Excavation [] PCC [] RCC []
Drilling [x] 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 and drilling work.

On Date : Time : 10:00AM

Submitted By RAMANAND Date: Time 10.00 AM Sign [Signature]

IPI (Aarvee)

Received By MOHD. ASEM Date: Time Sign M. [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



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/D1

RFI no: JJM/ALIGARH/KPTL/

Date : 10/7/23

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT:

ALIGARH

BLOCK :

GONDA

SCHEME :

RAFAYATPUR

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 lowering work, Assembly - 200x200mm, LPM-470, Drill depth - 115M

On Date : 10/07/2022

Time : 10:00AM

Submitted By AMIT RANJAN KUMAR

Date: 10/07/2023 Time 10.00 AM

Sign Amit Ranjan Kumar

IPI (Aarvee)

Recieved By MOHD. ASIF M

Date 10/09/23 Time

Sign M. Asif

Comments :

Civil Department

E&M, I/C Department

NAME : APPROVED

NAME : APPROVED

DESIG : APPROVED AS NOTED

DESIG : APPROVED AS NOTED

SIGN: REJECTED

SIGN: REJECTED