

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RUSTAMPUR KHOJAN, BLOCK- IGLAS, DISTT- ALIGARH UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 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 06.July.2023.

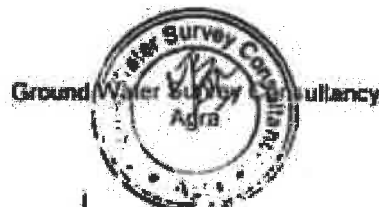
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 14.23 Ohms.

Drilling Water Resistivity = 15.32 Ohms.

Approx Water Level = 18 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Dry sand	
3.	18 - 25	7	Clay kankar	
4.	25 - 40*	15	Fine to Medium sand & kankar	Medium
5.	40 - 70	30	Clay kankar	
6.	70 - 80*	10	Fine to Medium sand	Med to Marginally
7.	80 - 105	25	Clay kankar	



G.P. : Rustamper Khan,

Block : 17/10/18

District : Aligarh

Required : 480 LPM

300mm dia Plain Pipe : 7
200mm dia Plain Pipe : 82
200mm dia Slotted Pipe : 18
100 mtr

Stretta :-

25-40 → 15 mtr

70-80 → 10 mtr

6.00	0.50
6.00	
6.00	
4.00	
6.00	27.50
6.00	
6.00	39.50
6.00	
6.00	
6.00	
1.00	
6.00	70.50
6.00	
13.00	79.50
6.00	85.50

300mm dia Plain Pipe : X
300X200 mm Reducer : X
200mm dia Plain Pipe : 65.00 mtr
200mm dia Slotted Pipe : 21.00 mtr

Total : 86.00 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 : 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 :

16/AS

SCHEME :

RUSTAMPUR KHOTAN

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 :

Tabewell lowering work

LPM - 430

Drill depth > 110m

Assembly > 200x200 mm

On Date : 08/07/23

Time : 10:00AM

Submitted By RAMANAND

Date:

Time 10.00 AM

Sign

Ramanand

TPI (Aarvee)

Recieved 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



KALPATARU

KALPATARU POWER TRANSMISSION LIMITED

anvee associates
engineers & consultants Pvt. Ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh Block:- 16/LAS Scheme:- BUSTAMPIA KHAN
 Rig No/ Type DC:- DC Size of Bore:- 500mm x 500mm
 Under:- JJM Assembly Size:- 200x200mm Required LPM:- 430
 Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL		Pipe No. =	Drilling Started Date:- <u>02/7/23</u>
		Pipe No. =	DPR Drilling Depth:- <u>110M</u>
		Pipe No. =	Logging Started Date:- <u>06/7/23</u>
		Pipe No. =	Logging Completed Date:- <u>06/7/23</u>
		Pipe No. =	Lowering Started Date :- <u>10/7/23</u>
		Pipe No. =	Lowering Completed Date :-
		Pipe No. =	Housing Pipe Φ :- MM M
		Pipe No. =	Above AGL Φ :- <u>200</u> MM <u>0.5</u> M
		Pipe No. =	Plain Pipe Φ :- <u>200</u> MM <u>65</u> M
		Pipe No. =	Slotted Pipe Φ :- <u>200</u> MM <u>21</u> M
		Pipe No. =	Lowered Assembly:- <u>85.5</u> M
		Pipe No. =	Total Assembly+ AGL :- <u>85.5+0.50</u> M
		Pipe No. =	Actual Drilling Depth:- <u>110</u> M
		Pipe No. =	MS H Frame:- <u>01</u>
		Pipe No. =	MS Ring:- <u>15 Nos</u>
	Pipe No. =	MS Reducer:- <u>—</u>	
	Pipe No. =	MS Ball Plug:- <u>01</u>	
	Pipe No. =	MS Clamp:- <u>01</u>	
	Pipe No. =	MS Well Cap:- <u>01</u>	
	Pipe No. =	Centre Guide:- <u>02</u>	
		Pipe No. = 11 = 6.00	
		Pipe No. = 10 = 6.00	
		Pipe No. = 9 = 6.00	
		Pipe No. = 8 = 6.00	
		Pipe No. = 7 = 6.00	
		Pipe No. = 6 = 6.00	
		Pipe No. = 5 = 1.00	
		Pipe No. = 4 = 6.00	
		Pipe No. = 3 = 6.00	
		Pipe No. = 2 = 3.00	
		Pipe No. = 1 = 6.00	
Bail Plug			

0.50
|||||

27.5
|||||
39.50

70.5
|||||
79.50

85.5

G. Anand
Contractor
Representative

M. Anand
TPI
Representative

Client
Representative



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REQUEST FOR INSPECTION (RFI)

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RFI no: JJM/ALIGARH/KPTL/

Date : 02/7/23

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK : 16 CAS SCHEME : RUSTAMPUR KMOGAN

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 insteaction and drilling work

On Date : 02/7/23

Time : 10:00AM

Submitted By RAMA NARO

Date: Time 10.00 AM

Sign Ram Naro

TPI (Aarvee)

Recieved By MOHD. AQD

Date Time

Sign M. Aqr

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/01

RFI no: JJM/ALIGARH/KPTL/_____

Date : 6/7/23

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: 16LAS SCHEME: RUSTAMPUR KHOJAN

Following civil items are ready for inspection :

Date :

- SBC [] Tube Well [] Excavation [] PCC [] RCC []
Drilling [] Logging [x] 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 : 6/7/23 Time : 10:00AM

Submitted By RISHMANAND Date: Time 10.00 AM Sign Rishmanand

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

Comments :

Civil Department

E&M , I/C Department

NAME : [] APPROVED NAME : [] APPROVED
DESIG : [] APPROVED AS NOTED DESIG : [] APPROVED AS NOTED
SIGN: [] REJECTED SIGN: [] REJECTED