

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT BHAURA GAURAV, 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 is conduct at above bore hole using IGIS Well Logger on 26.Jun.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 = 13.26 Ohms.

Drilling Water Resistivity = 14.76 Ohms.

Approx Water Level = 11 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry sand	
3.	15 - 20	5	Clay kankar	
4.	20 - 27	7	Fine sand	
5.	27 - 31	4	Clay kankar	
6.	31 - 40	9	Sand & kankar	
7.	40 - 44	4	Clay kankar	
8.	44 - 56°	10	Fine to Medium sand	Medium
9.	56 - 75	19	Clay kankar	
10.	75 - 80°	5	Fine to Medium sand	Medium
11.	80 - 110	30	Clay kankar	

G.Sh
27/06/23

Ground Water Survey Consultancy
Agra



- Logging performed as per SWEM guidelines
Groundwater quality interpreted by firm as per their logger calibration.

G.P. : Shainagoyya

Block : 29/08

Required : 430 LPM

District : Aligarh

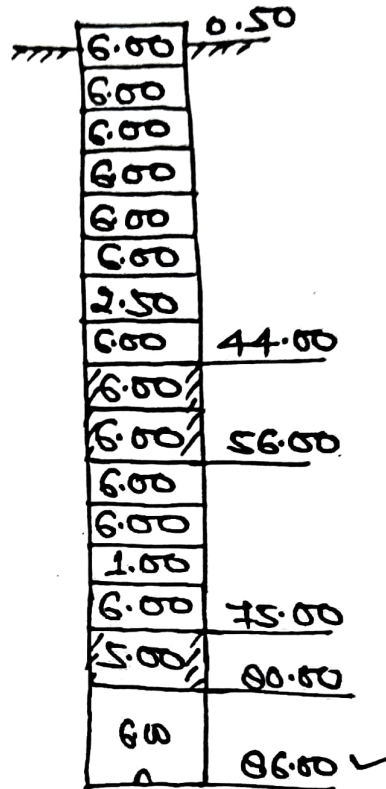
300mm dia Plain Pipe : X
200mm dia Plain Pipe : 88
200mm dia Slotted Pipe : 12
100 mtr

Streta :-

31-40 → 09 mtr ⊗

44-56 → 12 mtr

75-80 → 05 mtr



300mm dia Plain Pipe : X
300X200 mm Reducer : X
200mm dia Plain Pipe : 93.50 mtr
200mm dia Slotted Pipe : 17.00 mtr
Total : 86.50 mtr

116-17M



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh Block:- IGCAS Scheme:- BHAI RA GORUA
 Rig No/ Type DC:- _____ Size of Bore:- _____
 Under:- JJM Assembly Size:- _____ Required LPM:- 430
 Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS	
AGL		Pipe No. =	Drilling Started Date:- <u>26/06/23</u> DPR Drilling Depth:- <u>110M</u>	
		Pipe No. =	Logging Started Date:- <u>27/06/23</u> Logging Completed Date:- <u>27/06/23</u>	
		Pipe No. =	Lowering Started Date :- <u>29/06/23</u> Lowering Completed Date :-	
		Pipe No. =	Housing Pipe Ø :- MM M Above AGL Ø :- MM M	
		Pipe No. = <u>17th = 6.00</u>	Plain Pipe Ø :- <u>200 MM 69</u> M Slotted Pipe Ø :- <u>200 MM 17</u> M	
		Pipe No. = <u>16th = 6.00</u>	Lowered Assembly:- <u>86</u> Total Assembly+ AGL :- <u>86+0.90</u> M	
		Pipe No. = <u>15th = 6.00</u>	Actual Drilling Depth:- <u>110</u> M MS H Frame:- <u>61</u>	
		Pipe No. = <u>14th = 6.00</u>	MS Ring:- <u>16</u> MS Reducer:-	
		Pipe No. = <u>13th = 6.00</u>	MS Ball Plug:- <u>02 no</u> MS Clamp:- <u>02 no</u>	
		Pipe No. = <u>12th = 6.00</u>	MS Well Cap:- <u>02 no</u> Centre Guide:- <u>02 no</u>	
		Pipe No. = <u>11th = 2.50</u>		
		Pipe No. = <u>10th = 6.00</u>		
	<u>LLG</u>	<u>44.00</u>	Pipe No. = <u>9th = 6.00</u>	
	<u>LLG</u>	<u>56.00</u>	Pipe No. = <u>8th = 6.00</u>	
			Pipe No. = <u>7th = 6.00</u>	
		Pipe No. = <u>6th = 6.00</u>		
		Pipe No. = <u>5th = 1.00</u>		
	<u>75.00</u>	Pipe No. = <u>4th = 6.00</u>		
<u>LLG</u>		Pipe No. = <u>3rd = 2.00</u>		
<u>LLG</u>	<u>80</u>	Pipe No. = <u>2nd = 3.00</u>		
Ball Plug	<u>86.00</u>	Pipe No. = <u>1st = 6.00</u>		

[Signature]
Contractor Representative

[Signature]
TPI Representative

Client Representative



KALPATARU
KALPATARU POWER TRANSMISSION LIMITED

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 : 27/6/23

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/LAS SCHEME: BHAIRA GORUKH

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 : 27/6/23 Time : 10:00AM
 Submitted By : RAMANAND Date: Time 10.00 AM Sign: ramchand

TPI (Aarvee)
 Recieved By : Jeetendra Singh Date: Time Sign: jeetendra

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



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 : 23/01/22

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 : DHAIRA GORUA

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 and drilling work

On Date :

Time : 10:00AM

Submitted By

RAMANAND

Date:

Time 10.00 AM

Sign

[Signature]

IPI (Aarvee)

Recieved By

Jeetendra Singh

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



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/

Date : 28/06/23

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: IGLAS SCHEME : BHAIRA GOBVA BHAIRA GOBVA

Following civil items are ready for inspection : SBC [] Tube Well [] Excavation [] PCC [] RCC [] Drilling [] Logging [] Lowering [x] 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 : 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 : Tubewell lowering work. PM - 430 Drill depth - 110 Assembly - 200x200 mm

On Date : 28/06/23 Time : 10:00AM

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

TPI (Aarvee) Date Time Sign

Recieved By

Comments :

Civil Department APPROVED AS NOTED REJECTED E&M, I/C Department APPROVED AS NOTED REJECTED