



KALPA-TARU

KALPATARU POWER TRANSMISSION LIMITED

vaarvee associates
architects engineers & consultants pvt. ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh

Block:- GANGLI

Scheme:- CHHABILPUR

Rig No/ Type DC:- DL

Size of Bore:- 500 MM Ø

Under:- JJM

Assembly Size:- 200 X 200 MM

Required LPM:- 315

Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL	0.80	Pipe No. =	Drilling Started Date:- 25/7/23
		Pipe No. = 20 = 6.02	DPR Drilling Depth:- 120 M
		Pipe No. = 19 = 6.06	Logging Started Date:- 28/7/23
		Pipe No. = 18 = 6.04	Logging Completed Date:- 28/7/23
		Pipe No. = 17 = 6.08	Lowering Started Date:- 31/8/23
		Pipe No. = 16 = 6.10	Lowering Completed Date:- 31/8/23
		Pipe No. = 15 = 5.00	Housing Pipe Ø :- MM M
		Pipe No. = 14 = 6.00	Above AGL Ø :- MM M
		Pipe No. = 13 = 6.00	Plain Pipe Ø :- 200 MM M
		Pipe No. = 12 = 3.00	Slotted Pipe Ø :- 900 MM M
		Pipe No. = 11 = 6.00	Lowered Assembly:- 101.50 M
		Pipe No. = 10 = 6.00	Total Assembly+ AGL :- 101.50 + 0.80 M
		Pipe No. = 9 = 3.00	Actual Drilling Depth:- 120 M M
		Pipe No. = 8 = 6.00	MS H Frame:- 01
		Pipe No. = 7 = 6.00	MS Ring:- 19
		Pipe No. = 6 = 1.00	MS Reducer:-
		Pipe No. = 5 = 6.00	MS Ball Plug:- 01
		Pipe No. = 4 = 6.00	MS Clamp:- 01
		Pipe No. = 3 = 6.00	MS Well Cap:- 01
		Pipe No. = 2 = 6.00	Centre Guide:- 0.3
		Pipe No. = 1 = 5.0	
slotted	40.50		
slotted	48.50		
slotted	56.50		
slotted	59.50		
slotted	90.50		
slotted	96.50		
Bail Plug	101.50		

Amit Ranjan Kumar
Contractor
Representative

Adnan
TPI
Representative

Client
Representative

G.P. : Chhabulpur

Block : Gangri

District : Aligarh

Required : 315 LPM

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

Streta :-

25-50 → 15 mtr

6-60 → 04 mtr

20-100 → 10 mtr

	6.00	0.50
	6.00	
	6.00	
	6.00	
	6.00	
	5.00	
⊗	6.00	40.50
	6.00	
	3.00	49.50
	6.00	
⊗	1.00	56.50
	3.00	59.50
	6.00	
	6.00	
⊗	1.00	
	6.00	
	6.00	
	6.00	20.50
	6.00	26.50
⊗	5.00	101.50 ✓

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHABELPUR, BLOCK- GANGIRI, 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 Karpateru Power Transmission Limited, Aligarh.

On the request of M/s Karpateru Power Transmission Limited, Aligarh. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 28.May.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 = 18.20 Ohms.

Drilling Water Resistivity = 17.23 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 - 23	5	Clay kankar	
4.	23 - 30	7	Medium sand	Medium
5.	30 - 35	5	Clay kankar	
6.	35 - 50*	15	Medium sand	Medium
7.	50 - 56	6	Clay kankar	
8.	56 - 60*	4	Fine to medium sand	Medium
9.	60 - 67	7	Clay kankar	
10.	67 - 76	9	Fine sand	Medium
11.	76 - 90	14	Clay kankar	
12.	90 - 100*	10	Medium sand	Medium
13.	100 - 110	10	Clay kankar	

Ground Water Survey Consultancy



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/

Date : 28/7/23

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: GANGLIRI SCHEME: CHHABILPUR

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 : 28/7/23

Time : 10:00AM

Submitted By : RAMANAND

Date:

Time 10.00 AM

Sign

TPI (Aarvee)

Received By

Date

Time

Sign

Comments :

Civil Department

E&M, I/C Department

NAME :

☐ APPROVED

NAME :

☐

APPROVED

DESIG :

☐ APPROVED AS NOTED

DESIG :

☐

APPROVED AS NOTED

SIGN:

☐ REJECTED

SIGN:

☐

REJECTED



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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 :

25/7/23

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT:

ALIGARH

BLOCK :

GANGIKI

SCHEME :

CHHABILPUR

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 : 25/7/23

Time : 10:00AM

Submitted By

RAMANAND

Date:

Time 10.00 AM

Sign

[Signature]

TPI (Aarvee)

Recieved By

Date

Time

Sign

[Signature]

Comments :

Civil Department

E&M , I/C Department

NAME :

☐ APPROVED

NAME :

☐

APPROVED

DESIG :

☐ APPROVED AS NOTED

DESIG :

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APPROVED AS NOTED

SIGN:

☐ REJECTED

SIGN:

☐

REJECTED



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KALPATARU POWER TRANSMISSION LIMITED



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PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no:
JJM/ALIGARH/KPTL/

Date : 30/7/23

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT:

ALIGARH

BLOCK :

GANIGIRI

SCHEME :

CHHABILPOR

Following civil items are ready for inspection :

Date :

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Rising Main ☐ Backfilling ☐ M.S. Wicket Gate/ Window ☐ Interlocking Tile ☐
HDPE Pipeline ☐ Others ☐

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Date :

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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

LPM-315

Drill depth- 120 M

Assembly- 200x200mm

On Date : 31/7/23

Time : 10:00AM

Submitted By

RAMANAND

Date:

Time 10.00 AM

Sign

franchd

TPI (Aarvee)

Recieved By

Date

Time

Sign

franchd

Comments :

Civil Department

E&M, I/C Department

NAME :

☐ APPROVED

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