



KALPA-TARU

KALPATARU POWER TRANSMISSION LIMITED

darvee associates
architects engineers & consultants Pvt. Ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh

Block:- Chandaus

Scheme:- Patawadi wss

Rig No/ Type DC:-

Size of Bore:- 500 mm

Under:- JJM

Assembly Size:- 200mm

Required LPM:- 560

Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL		Pipe No. =	Drilling Started Date:- 23-03-23
		Pipe No. =	DPR Drilling Depth:- 110m
		Pipe No. =	Logging Started Date:- 25-03-23
		Pipe No. =	Logging Completed Date:- 25-03-23
		Pipe No. =	Lowering Started Date :- 27-03-23
		Pipe No. =	Lowering Completed Date :- 27-03-23
		Pipe No. = 18 = 6.00	Housing Pipe Φ :- MM M
		Pipe No. = 17 = 6.05	Above AGL Φ :- 200 MM 0.5 M
		Pipe No. = 16 = 6.05	Plain Pipe Φ :- 200 MM M
		Pipe No. = 15 = 5.30	Slotted Pipe Φ :- 200 MM M
		Pipe No. = 14 = 6.05	Lowered Assembly:- 92.42 M
		Pipe No. = 13 = 6.05	Total Assembly+ AGL :- M
		Pipe No. = 12 = 6.00	Actual Drilling Depth:- 110 M
		Pipe No. = 11 = 6.00	MS H Frame:-
		Pipe No. = 10 = 6.09	MS Ring:- 19
		Pipe No. = 9 = 4.35	MS Reducer:-
		Pipe No. = 8 = 6.06	MS Ball Plug:- 1
		Pipe No. = 7 = 6.00	MS Clamp:- 1
	Pipe No. = 6 = 6.06	MS Well Cap:- 1	
	Pipe No. = 5 = 0.75	Centre Guide:- 3	
	Pipe No. = 4 = 6.06		
	Pipe No. = 3 = 1.00		
	Pipe No. = 2 = 3.00		
	Pipe No. = 1 = 6.05		

Ball Plug

Gaurav
Contractor
Representative

Adarsh
TPI
Representative

Client
Representative

G.P → Patavali Block - Chandanur
 Dist. Alwar
 Requirement → "560 LPM"

76

24

100 mtr

Stake

35-47 → 12 mtr

63-70 → 07 mtr

82-87 → 05 mtr

6.00	0.50
6.00	
6.00	
6.00	
6.00	
6.00	35.50
6.00	
5.00	46.50
6.00	
5.00	
6.00	63.50
6.00	69.50
6.00	
1.00	
6.00	82.50
1.00	
3.00	86.50
6.00	92.50

200 mm dia plain pipe → 72 mtr

200 mm dia sctted pipe → 21 mtr

Total 93 mtr

AGL (-) 0.50 mtr

BGL 92.50 mtr

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PAHAWATI, BLOCK- CHANDAUS, DISTT- ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth ~~112~~ 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 25.Mar.2023.

Logging Parameters - 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:-

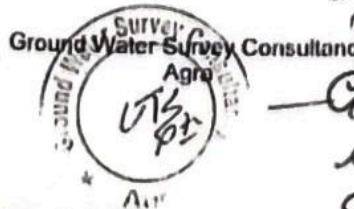
Mud Resistivity = 15.52 ~~Ohms.~~

Drilling Water Resistivity = 16.33 ~~Ohms.~~

Approx Water Level = 14 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 6	1	Clay	
3.	6 - 19	13	Fine sand	
4.	19 - 21	2	Clay kankar	
5.	21 - 30	9	Medium sand	Medium
6.	30 - 35	5	Clay kankar	
7.	35 - 47	12	Medium sand	Medium
8.	47 - 63	16	Clay kankar	
9.	63 - 70*	7	Medium sand	Medium
10.	70 - 82	12	Clay kankar	
11.	82 - 87*	5	Medium sand	Medium
12.	87 - 98	11	Clay kankar	
13.	98 - 103	5	Sand & kankar	Medium
14.	103 - 109	6	Clay kankar	
15.	109 - 112*	3	Medium sand	Medium

GSC
25/03/23



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



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/Chandaus/05 Date : 27-03-23

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: Chandaus SCHEME: Patawati wass

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 :

(1) Lowering of Tubewell
 Co-ordinate # 28.093565N E-77.920888E
 Discharge 560LPM Assembly size - 200mm

On Date: 27-03-23

Time: 10:00AM

Submitted By Gaurav Kumar Date: 25-03-23 Time 10:00 AM

Sign Gaurav

TPI (Aarvee)

Recieved By Ahresh Kumar Date 25-03-23 Time 11:30

Sign Ahresh

Comments :

Civil Department

E&M, I/C Department

NAME : APPROVED
 DESIG : APPROVED AS NOTED
 SIGN: REJECTED

NAME : APPROVED
 DESIG : APPROVED AS NOTED
 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/Chandaus/01

Date : 23-03-2023

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: Chandaus SCHEME: Patavati wss

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 :

(1) Drilling of Bore well GP-Patavati wss Block-Chandaus
Coordinate N-28.093565N E-77.920888E
Discharge-560 LPM, Drilling depth-110 meter, size of Bore...

On Date: 23-03-2023 Time: 10:00AM

Submitted By: Gaurav Kumar Date: 22-03-23 Time 10.00 AM Sign: Gaurav

TPI (Aarvee) Recieved By: Ashish Kumar Date 22-03-23 Time 11:02 Sign: Ashish

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/Chandaus/09	Date : 25-03-2023
Contractor Name: Kalpataru Power Transmission Limited.	LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022	

Location of Work

DISTRICT:	ALIGARH	BLOCK :	Chandaus	SCHEME :	Patawadi wss
------------------	----------------	----------------	----------	-----------------	--------------

Following civil items are ready for inspection : Date :

SBC <input type="checkbox"/>	Tube Well <input checked="" type="checkbox"/>	Excavation <input type="checkbox"/>	PCC <input type="checkbox"/>	RCC <input type="checkbox"/>
Driling <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="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 :

(1) Electrical Logging of Bore well
 Co-ordinate N- 28.093565N E- 77.920888E
 Discharge- 560 LPM, Drilling depth 110 meters, Size of Bore 500mm

On Date : 25-03-2023	Time : 10:00AM
Submitted By <u>Gaurav Kumar</u>	Date: 25-03-23 Time 10.00 AM Sign <u>Gaurav</u>
Recieved By <u>Ashish Kumar</u>	Date 25-03-23 Time 01:20 Sign <u>Ashish</u>

Comments :

Civil Department		E&M , I/C Department	
NAME :	<input checked="" 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



KALPA-TARU

KALPATARU POWER TRANSMISSION LIMITED



aarvee associates
architects engineers & consultants pvt. ltd.



SWSM
Uttar Pradesh

PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no:
JJM/ALIGARH/KPTL/

Date : 11/05/2022

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: Chandaug SCHEME: Pahavati

Following civil items are ready for inspection :

Date :

SBC	<input type="checkbox"/>	Tube Well	<input checked="" type="checkbox"/>	Excavation	<input type="checkbox"/>	PCC	<input type="checkbox"/>	RCC	<input type="checkbox"/>
Drilling	<input type="checkbox"/>	Logging	<input type="checkbox"/>	Lowering	<input type="checkbox"/>	OP Unit	<input checked="" 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" value="OP UNIT TESTING"/>						

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 :

OP UNIT TESTING WORK. Depth - 92.42
Required LPM - 560
Assembly - 200mmØ x 200mmØ

On Date : 11/05/2022

Time : 10:00AM

Submitted By AMITRANANKUMAR Date: 11/05/2022 Time 10.00 AM

Sign Amit Ranankumar

TPI (Aarvee)

Recieved By Jeeendra Singh Date 11/05/2022 Time 12:00 PM

Sign Jeeendra

Comments :

Civil Department

E&M, I/C Department

NAME : APPROVED

NAME : APPROVED

DESIG : APPROVED AS NOTED

DESIG : APPROVED AS NOTED

SIGN: REJECTED

SIGN: REJECTED