



KALPA-TARU

KALPATARU POWER TRANSMISSION LIMITED

aarvee associates
architects engineers & consultants priv. ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh Block:- Chandus Scheme:- Nogla Aasoo
 Rig No/ Type DC:- DC Size of Bore:- 500mmφ x 500mmφ
 Under:- JJM Assembly Size:- 200mmφ x 200mmφ Required LPM:- 690 LPM
 Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL	<u>0.55</u>	Pipe No. =	Drilling Started Date:- <u>27/10/2023</u>
1111111111		Pipe No. =	DPR Drilling Depth:- <u>120</u>
		Pipe No. =	Logging Started Date:- <u>31/11/2023</u>
		Pipe No. =	Logging Completed Date:- <u>31/11/2023</u>
		Pipe No. =	Lowering Started Date :- <u>06/11/2023</u>
		Pipe No. =	Lowering Completed Date :- <u>06/11/2023</u>
		Pipe No. =	Housing Pipe φ :- MM M
		Pipe No. =	Above AGL φ :- <u>200</u> MM <u>0.55</u> M
		Pipe No. =	Plain Pipe φ :- <u>200</u> MM <u>42.00</u> M
		Pipe No. =	Slotted Pipe φ :- <u>200</u> MM <u>16.00</u> M
		Pipe No. =	Lowered Assembly:- <u>S7.50</u> M
		Pipe No. =	Total Assembly+ AGL :- <u>S7.50+0.55</u> M
		Pipe No. =	Actual Drilling Depth:- <u>120</u> M
		Pipe No. =	MS H Frame:- <u>200mmφ, 1 Nos</u>
		Pipe No. =	MS Ring:- <u>200mmφ, 11 Nos</u>
		Pipe No. =	MS Reducer:- <u>—</u>
		Pipe No. =	MS Bail Plug:- <u>200mmφ, 1 Nos</u>
		Pipe No. =	MS Clamp:- <u>200mmφ, 1 Nos</u>
		Pipe No. =	MS Well Cap:- <u>200mmφ, 1 Nos</u>
		Pipe No. =	Centre Guide:- <u>200mmφ, 3 Nos</u>
	<u>6.01</u>	Pipe No. = <u>12th</u>	
	<u>6.01</u>	Pipe No. = <u>11th</u>	
	<u>6.01</u>	Pipe No. = <u>10th</u>	
	<u>0.50</u>	Pipe No. = <u>9th</u>	
	<u>6.01</u>	Pipe No. = <u>8th</u>	
	<u>6.01</u>	Pipe No. = <u>7th</u>	
	<u>6.00</u>	Pipe No. = <u>6th</u>	
MSERN SLOTTED	<u>6.00</u>	Pipe No. = <u>5th</u>	
MSERN SLOTTED	<u>6.00</u>	Pipe No. = <u>4th</u>	
	<u>4.00</u>	Pipe No. = <u>3rd</u>	
MSERN SLOTTED	<u>4.00</u>	Pipe No. = <u>2nd</u>	
	<u>1.50</u>	Pipe No. = <u>1st</u>	
Bail Plug	<u>6.00</u>		

Amit Ranjan Kumar

Contractor Representative

Adnan

TPI Representative

Client Representative

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- NAGLA ASSU, BLOCK- CHANDAU, DISTT- ALIGARH UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 118 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 03.Nov.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 = 13.29 Ohms.

Drilling Water Resistivity = 14.52 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 - 15	10	Dry sand	
3.	15 - 20	5	Clay kankar	
4.	20 - 25	5	Fine sand	
5.	25 - 30	5	Clay kankar	
6.	30 - 42*	12	Medium sand	Medium
7.	42 - 46	4	Clay kankar	
8.	46 - 50	4	Fine sand	Medium
9.	50 - 60	10	Clay kankar	
10.	60 - 66	6	Kankar	
11.	66 - 118	52	Clay kankar	

Ground Water Survey Consultancy



G.P. : Nagla Masu.

Block : chandaus

District : Aligarh

Required : 690 LPM

300mm dia Plain Pipe : 48
200mm dia Plain Pipe : 38
200mm dia Slotted Pipe : 24
110mtr

Streta :-

30-42 → 12 mtr

46-50 → 04 mtr

6.00	0.50
6.00	
6.00	
⊗ 0.50	
6.00	
6.00	30.00
6.00	
6.00	42.00
⊗ 4.00	46.00
4.00	50.00
1.50	
6.00	
1	57.50

Note → पर्याप्त Streta न मिलने के कारण DPR में स्वीकृत 300x200 mm के स्थान पर 200x200 mm सिंझ के नलकूप का निर्धारण करना उचित होगा। Bore सिंझ 500 mm रखना है।

300mm dia Plain Pipe	: X
300X200 mm Reducer	: X
200mm dia Plain Pipe	: 42.00 mtr
200mm dia Slotted Pipe	: 16.00 mtr
Total	: 58.00 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 : 6/11/2023

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: CHANDAUZ SCHEME: NAGLA ASSOO

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 :

M.S PIPE TUBE-WELL LOWERING WORK ASSEMBLY SIZE- 200mm x 200mm REQUIRED DISCHARGE- 690

On Date : 6/11/2023

Time : 10:00AM

Submitted By Ashutosh Pandey

Date: 6/11/23 Time 10.00 AM

Sign: [Signature]

TPI (Aarvee)

Recieved By Adnan Habeeb

Date Time

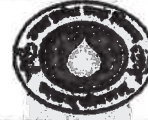
Sign: [Signature]

Comments :

Civil Department

E&M, I/C Department

- NAME, DESIG, SIGN: APPROVED, APPROVED AS NOTED, 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 : 02/11/2023

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: Nagla Aasoo

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 :

Tubewell Electro logging work Required discharge - 630 Lpm Assembly Size - 200mm x 200mm

On Date : 03/11/2023

Time : 10:00AM

Submitted By Amit Ranjan Kumar

Date: 02/11/2023 Time 10.00 AM

Sign Amit Ranjan Kumar

TPI (Aarvee)

Received By

Date

Time

Sign

Comments :

Civil Department

E&M, I/C Department

NAME : APPROVED

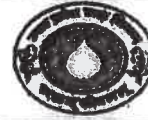
NAME : APPROVED

DESIG : APPROVED AS NOTED

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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 : 26/10/2023

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: Choudaig SCHEME : Nagla Hashoo

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 mc installation & Tubewell drilling work. Assembly size - 200 mm x 200 mm. Required discharge - 690 LPM.

On Date : 27/10/23

Time : 10:00AM

Submitted By Amit Ranjan Kumar

Date: 26/10/23 Time 10.00 AM

Sign Amit Ranjan Kumar

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