



KALPA-TARU

KALPATARU POWER TRANSMISSION LIMITED

arvee associates
architects engineers & consultants pvt. ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh Block:- Ladha Scheme:- Khera Khus Kha bar
 Rig No/ Type DC:- DC Size of Bore:- 500mm ϕ x 500mm ϕ
 Under:- JJM Assembly Size:- 200mm ϕ x 200mm ϕ Required LPM:- 430
 Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL	0.55	Pipe No. =	Drilling Started Date:- <u>05/02/2024</u> DPR Drilling Depth:- <u>110 MTR</u>
	6.01	Pipe No. = <u>20th</u>	Logging Started Date:- <u>07/02/2024</u> Logging Completed Date:- <u>07/02/2024</u>
	6.03	Pipe No. = <u>19th</u>	Lowering Started Date :- <u>09/02/2024</u> Lowering Completed Date :- <u>10/02/2024</u>
	6.01	Pipe No. = <u>18th</u>	Housing Pipe ϕ :- <u> </u> MM <u> </u> M Above AGL ϕ :- <u>200</u> MM <u>0.55</u> M
	6.00	Pipe No. = <u>17th</u>	Plain Pipe ϕ :- <u>200</u> MM <u>89.59</u> M Slotted Pipe ϕ :- <u>200</u> MM <u>18.00</u> M
	6.00	Pipe No. = <u>16th</u>	Lowered Assembly:- <u>107.04</u> M Total Assembly+ AGL :- <u>107.04+0.55</u> M
	6.00	Pipe No. = <u>15th</u>	Actual Drilling Depth:- <u>120</u> MTR M MS H Frame:- <u>200mmϕ, 1 NOS</u>
	1.50	Pipe No. = <u>14th</u>	MS Ring:- <u>200 mmϕ, 19 NOS</u> MS Reducer:- <u> </u>
	6.00	Pipe No. = <u>13th</u>	MS Bail Plug:- <u>200mmϕ, 1 NOS</u> MS Clamp:- <u>200 mmϕ, 1 NOS</u>
	8.00 43.00	Pipe No. = <u>12th</u>	MS Well Cap:- <u>200 mmϕ, 1 NOS</u> Centre Guide:- <u>200 mmϕ, 4 NOS</u>
	6.00	Pipe No. = <u>11th</u>	
	6.00	Pipe No. = <u>10th</u>	
	2.00 48.00	Pipe No. = <u>9th</u>	
	6.00 60.00	Pipe No. = <u>8th</u>	
	6.00	Pipe No. = <u>7th</u>	
	6.00	Pipe No. = <u>6th</u>	
	3.97	Pipe No. = <u>5th</u>	
	6.03	Pipe No. = <u>4th</u>	
	6.00	Pipe No. = <u>3rd</u>	
	6.00 67.00	Pipe No. = <u>2nd</u>	
	6.04	Pipe No. = <u>1st</u>	
Bail Plug	107.04		

Amit Ranjan Kumar
 Contractor Representative

Ashwan
 TPI Representative

Client Representative

G.P. : Khera Khuis Khabar

Block : Lodha

District : Aligarh

Required : 430 LPM

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

Water level → 65 ft

Streta :-

43-48 → 0.5 mtr
60-67 → 07 mtr
95-105 → 10 mtr

6.00	0.50
6.00	
6.00	
6.00	
6.00	
6.00	
1.50	
6.00	43.00
5.00	48.00
6.00	
6.00	60.00
1.00	
6.00	67.00
6.00	
6.00	
4.00	
6.00	
6.00	95.00
6.00	101.00
6.00	
0	107.00

300mm dia Plain Pipe : X
300X200 mm Reducer : X
200mm dia Plain Pipe : 89.50 mtr
200mm dia Slotted Pipe : 18.00 mtr

Total : 107.50 mtr

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHEDA KHUSH KHABAR, BLOCK- LODHA, 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 07.Feb.2024

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 = 14.61 Ohms.

Drilling Water Resistivity = 15.43 Ohms.

Approx Water Level = 20 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 17	12	Dry sand & kankar	
3.	17 - 24	7	Clay kankar	
4.	24 - 32	8	Fine to Medium sand	Medium
5.	32 - 43	11	Clay kankar	
6.	43 - 48*	5	Medium sand	Medium
7.	48 - 60	12	Clay kankar	
8.	60 - 67*	7	Medium sand	Medium
9.	67 - 95	28	Clay kankar	
10.	95 - 105*	10	Fine to Medium sand	Medium
11.	105 - 110	5	Clay kankar	

Ground Water Survey Consultancy





KALPATARU PROJECTS INTERNATIONAL LIMITED
(Formerly Kalpataru Power Transmission Limited)

Aarvee Associates
ENGINEERING & CONSULTANTS PVT. LTD.



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPIL/01	RFI no: JJM/ALIGARH/KPIL/	Date : 09/02/2023
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Contractor Name: KALPATARU PROJECTS INTERNATIONAL LIMITED	LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022
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Location of Work

DISTRICT:- ALIGARH	BLOCK : Lodha	SCHEME : Khara Khug Khabor
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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 type="checkbox"/>	Lowering <input checked="" 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="text"/>			

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 :
 Tubewell ms pipe Lowering work.
 Assembly Size - 200mm ϕ x 200mm ϕ
 Required discharge - 430 LPM

On Date : 09/02/2023	Time : 11:00 AM
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Submitted By AMIT RANJAN KUMAR	Date: 09/02/2023	Time 10:00 AM	Sign Amit Ranjan Kumar
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TPI (Aarvee)

Recieved By	Date	Time	Sign Adnan
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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



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Earthing cable	<input type="checkbox"/>	Starter	<input type="checkbox"/>	Piping- DI () HDPE () MS () MDPE ()				Others	<input type="checkbox"/>

Work Description :

On Date :

Time :

Submitted By _____

Date:

Time

Sign

IPI (Arvee)

Recieved By _____

Date

Time

Sign

Comments :

Civil Department

E&M , I/C Department

NAME : APPROVED

DESIG : APPROVED AS NOTED

SIGN: REJECTED

NAME : APPROVED

DESIG : APPROVED AS NOTED

SIGN: REJECTED



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Work Description :

On Date :	Time :
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Submitted By	Date:	Time	Sign
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TPI (Aarvee)

Recieved By	Date	Time	Sign
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On Date :	Time :
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