



KALPA-TARU

KALPATARU POWER TRANSMISSION LIMITED

aarvee associates architects engineers & consultants pvt. ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh

Block:- IGLAS

Scheme:- Sathini zone-I T.W.

Rig No/ Type DC:-

Size of Bore:- 500mm Ø x 500mm Ø

Under:- JJM

Assembly Size:- 200mm Ø x 200mm Ø

Required LPM:- 615 LPM

Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL	0.55	Pipe No. =	Drilling Started Date:- 27/03/2024 DPR Drilling Depth:- 110MTR
		Pipe No. =	Logging Started Date:- 31/03/2024 Logging Completed Date:- 31/03/2024
		Pipe No. =	Lowering Started Date :- 02/04/2024 Lowering Completed Date :- 02/04/2024
		Pipe No. =	Housing Pipe Ø :- — MM — M Above AGL Ø :- 200 MM 0.55 M
		Pipe No. =	Plain Pipe Ø :- 200 MM 42.05 M Slotted Pipe Ø :- 200 MM 15.00 M
		Pipe No. =	Lowered Assembly:- 56.50 M Total Assembly+ AGL :- 56.50 + 0.55 M
		Pipe No. =	Actual Drilling Depth:- 110MTR M MS H Frame:- 200 mm Ø, 1 NOS
		Pipe No. =	MS Ring:- 200 mm Ø, 12 NOS MS Reducer:- —
	6.02	Pipe No. = 13th	MS Bail Plug:- 200 mm Ø, 1 NOS MS Clamp:- 200 mm Ø, 1 NOS
	6.02	Pipe No. = 12th	MS Well Cap:- 200 mm Ø, 1 NOS Centre Guide:- 200 mm Ø, 4 NOS
	0.50	Pipe No. = 11th	
	6.01	Pipe No. = 10th	
MSE RW SLOTTED	4.00	Pipe No. = 9th	
	22.00	Pipe No. = 8th	
	6.00	Pipe No. = 7th	
	30.00	Pipe No. = 6th	
MSE RW SLOTTED	6.00	Pipe No. = 5th	
	36.00	Pipe No. = 4th	
	0.50	Pipe No. = 3rd	
MSE RW SLOTTED	8.00	Pipe No. = 2nd	
	44.00	Pipe No. = 1st	
Bail Plug	6.05		
	56.50		

Amit Ranjan Kumar
Contractor Representative

Adnan
TPI Representative

Manish
Client Representative

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SATHNI, BLOCK- IGLAS, DISTT- ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 105 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 31.Mar.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 = 14.60 Ohms.

Drilling Water Resistivity = 15.49 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 - 8	3	Clay kankar	
3.	8 - 12	4	Sand & kankar	
4.	12 - 18	6	Clay kankar	
5.	18 - 22	4	Medium sand	Medium
6.	22 - 31	9	Clay kankar	
7.	31 - 36*	5	Fine to medium sand	Medium
8.	36 - 43	7	Clay kankar	
9.	43 - 47*	4	Fine to medium sand	Medium
10.	47 - 105	58	Clay kankar	

Ground Water Survey Consultancy



G.P. : Sathini zone I T. 2

Block : Iglob

District : Aligarh

Required : 6.15 LPM

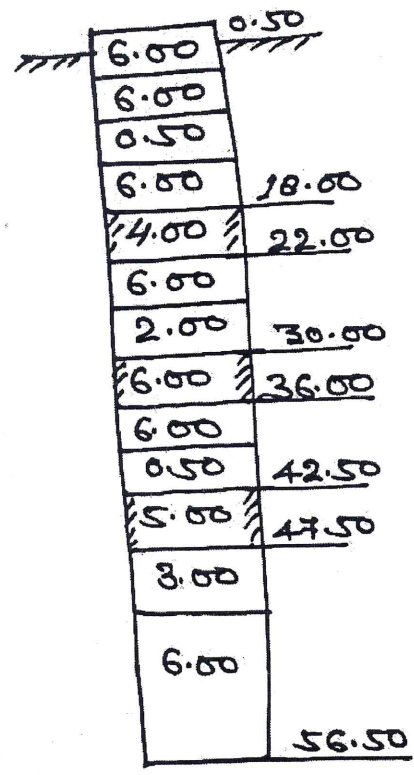
300mm dia Plain Pipe : X
200mm dia Plain Pipe : 70
200mm dia Slotted Pipe : 30
100 mtr

on Electric

Water Level → 52 feet

Streta :-

18-22 → 04 mtr
31-36 → 05 mtr
43-47 → 04 mtr



300mm dia Plain Pipe : X
300X200 mm Reducer : X
200mm dia Plain Pipe : 42.00 mtr
200mm dia Slotted Pipe : 15.00 mtr

Total : 57.00 mtr



KALPATARU PROJECTS INTERNATIONAL LIMITED
(Formerly Kalpataru Power Transmission Limited)



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM ALIGARH KPIL 01

RFI no:
JJM ALIGARH KPIL

Date : 02/04/2024

Contractor Name: KALPATARU PROJECTS INTERNATIONAL LIMITED

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

Location of Work

DISTRICT:- ALIGARH

BLOCK : TIGALAS

SCHEME : SATHINI - 01

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 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 - 200 mm ϕ x 200 mm ϕ
Required discharge - 615 LPM

On Date : 02/04/2024

Time : 04:00 PM

Submitted By : AMIT RANJAN KUMAR

Date : 02/04/24

Time : 12:30 PM

Sign : Amit Ranjan Kumar

TPI (Aarvee)

Recieved By _____ Date _____ Time _____ Sign _____

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