



KALPATARU

KALPATARU POWER TRANSMISSION LIMITED

kaarvee associates  
architects engineers & consultants pvt. ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

23/03/23

District:- Aligarh

Block:- LOPHA

Scheme:- BAHMATI

Rig No/ Type DC:- DC RIG MACHINE

Size of Bore:-

Under:- JJM

Assembly Size:-

Required LPM:- 440 LPM

Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
		Pipe No. =	Drilling Started Date:- 17/03/23 DPR Drilling Depth:- 110
		Pipe No. =	Logging Started Date:- 20/03/23 Logging Completed Date:- 21/03/23
		Pipe No. =	Lowering Started Date:- 23/03/23 Lowering Completed Date:- 23/03/23
	0.50	Pipe No. =	Housing Pipe $\Phi$ :- MM M Above AGL $\Phi$ :- 200 MM M
11.11	6.04	Pipe No. = 17 = 6.04	Plain Pipe $\Phi$ :- 200 MM 78.13 M Slotted Pipe $\Phi$ :- 200 MM 18 M
	6.03	Pipe No. = 16 = 6.03	Lowered Assembly:- 2.00 M Total Assembly+ AGL :- 96.63 M
	6.07	Pipe No. = 15 = 6.07	Actual Drilling Depth:- 110 M MS H-Frame:- 1 nos 500mm
	6.07	Pipe No. = 14 = 6.07	MS Ring:- 16 nos 200mm MS Reducer:-
	6.06	Pipe No. = 13 = 6.06	MS Bail Plug:- 1 nos 200mm MS Clamp:- 1 nos 200mm
	6.06	Pipe No. = 12 = 6.06	MS Well Cap:- 1 nos 200mm Centre Guide:- 2 nos 20mm
	5.87	Pipe No. = 11 = 5.87	
	6.07	Pipe No. = 10 = 6.07	
	6.07	Pipe No. = 9 = 6.07	
	2.66	Pipe No. = 8 = 2.66	
slotted	6.00	Pipe No. = 7 = 6.00	
	6.08	Pipe No. = 6 = 6.08	
	3.39	Pipe No. = 5 = 3.39	
	6.08	Pipe No. = 4 = 6.08	
slotted	6.00	Pipe No. = 3 = 6.00	
	6.00	Pipe No. = 2 = 6.00	
	6.08	Pipe No. = 1 = 6.08	

Signature of Contractor Representative

Contractor Representative

Signature of TPI Representative

TPI Representative

Client Representative



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01	RFI no: JJM/ALIGARH/KPTL/_____	Date : 23/03/2023
Contractor Name: Kalpataru Power Transmission Limited.	LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022	

Location of Work

DISTRICT:	ALIGARH	BLOCK :	LODHA	SCHEME :	BAHMATI
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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"/>
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 Lowering  
 LPM- 440  
 Assembly Site- 200mm, 200mm

On Date : 23/03/2023	Time : 10:00AM
Submitted By: <i>Shamshad</i>	Date: _____ Time 10.00 AM Sign: <i>Shamshad</i>
TPI (Aarvee)	
Recieved By: <i>Anuj Chandra</i>	Date 23/03/23 Time _____ Sign: <i>Anuj</i>
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

C.P. → Bahmati, Lodha, Aligarh

Required → "440 LPM"

82

18

100 mtr

Strels

55-63 → 08 mtr

75-100 → 25 mtr

6.00	0.50
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	
3.00	
6.00	56.50
6.00	62.50
6.00	
3.00	
6.00	77.50
6.00	
6.00	89.50
6.00	
0	95.50 ✓

200 mm dia Plain pipe → 78 mtr

200 mm dia Stilled pipe → 18.00 mtr

Total 96.00 mtr

AGL (-) 0.50 mtr

BGL 95.50 mtr

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BEMTI, 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 Kalptaru Power Transmission India limited, Aligarh.

On the request of M/s Kalptaru Power Transmission India limited, Aligarh. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 20.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 = 12.61 Ohms.

Drilling Water Resistivity = 13.71 Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay	
3.	10 - 15	5	Dry Fine sand	
4.	15 - 20	5	Clay kankar	
5.	20 - 29	9	Medium sand	Medium
6.	29 - 37	8	Clay kankar	
7.	37 - 42	5	Fine to Medium sand	Medium
8.	42 - 46	4	Clay kankar	
9.	46 - 53*	7	Fine to Medium sand	Medium
10.	53 - 55	2	Clay kankar	
11.	55 - 63*	8	Fine to Medium sand	Medium
12.	63 - 75	12	Clay kankar	
13.	75 - 100*	25	Medium sand	Medium
14.	100 - 110	10	Clay kankar	

SrN 011 - 55 - 62 (7m)

SrN 013 - fine in nature and intermedia with kankar.

GCh  
21/03/23



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