

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth ~~97~~ 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 15.Jun.2023.

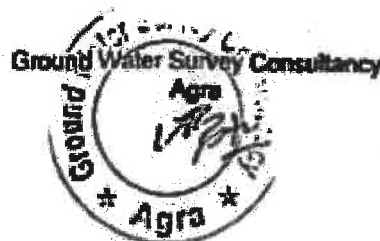
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = ~~14.93~~ Ohms.

Drilling Water Resistivity = ~~15.89~~ Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Dry sand	
3.	20 - 24	4	Clay kankar	
4.	24 - 27	3	Fine sand	Medium
5.	27 - 30	3	Clay kankar	
6.	30 - 35*	5	Fine to Medium sand	Medium
7.	35 - 45	10	Clay kankar	
8.	45 - 48*	3	Fine to Medium sand	Med to Marginally
9.	48 - 57	9	Clay kankar	
10.	57 - 62*	5	Fine to Medium sand	Med to Marginally
11.	62 - 75	13	Clay kankar	
12.	75 - 80*	5	Fine to Medium sand	Med to Marginally
13.	80 - 89	9	Clay kankar	
14.	89 - 95*	6	Medium sand	Med to Marginally
15.	95 - 97	2	Clay kankar	



- Logging performed as per
SWSM guidelines.
- Groundwater quality
interpreted by fcm as
per their logger
calibration on 15/06/23

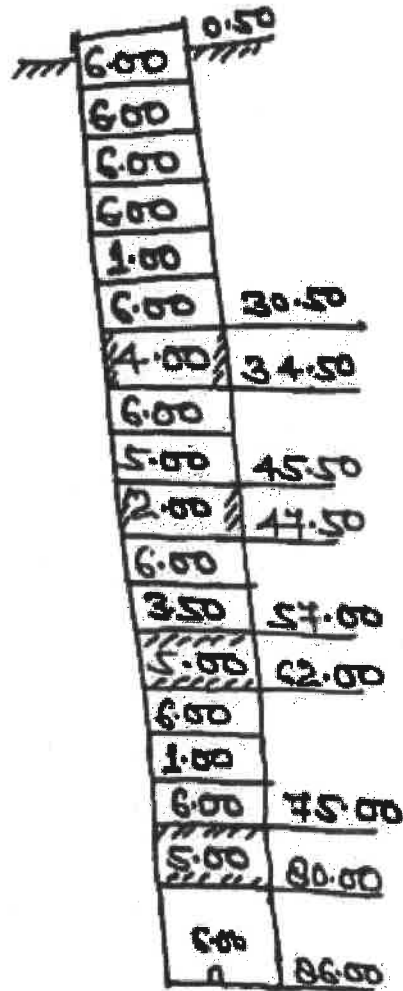
G.P. : *manipur*
 Block : *79/02*
 Required : *270 LPM*

District : *Aligarh*

300mm dia Plain Pipe : *X*
 200mm dia Plain Pipe : *78*
 200mm dia Slotted Pipe : *12*
90mtr

Streets :-

30-35 → *0.5 mtr*
45-48 → *0.8 mtr*
57-62 → *0.5 mtr*
75-80 → *0.5 mtr*



300mm dia Plain Pipe : *X*
 300X200 mm Reducer : *X*
 200mm dia Plain Pipe : *70.50mtr*
 200mm dia Slotted Pipe : *16.00 mtr*
 Total : **86.50 mtr**



KALPA-TARU

KALPATARU POWER TRANSMISSION LIMITED

arvee associates
architects engineers & consultants pvt. ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh Block:- **16 CAS** Scheme:- **MANIPUR**

Rig No/ Type DC:- Size of Bore:-

Under:- **JJM** Assembly Size:- Required LPM:- **270**

Contractor:- **KPTL**

AGL	CHART	PIPE LENGTH	ASSEMBLY DETAILS
		Pipe No. =	Drilling Started Date:- 19/06/23
			DPR Drilling Depth:- 100M
	0.50	Pipe No. =	Logging Started Date:- 15/06/23
	 		Logging Completed Date:- 15/06/23
		Pipe No. =	Lowering Started Date :- 17/06/23
			Lowering Completed Date :-
		Pipe No. = 18 = 6.00M	Housing Pipe Φ :- MM M
			Above AGL Φ :- MM M
		Pipe No. = 19 = 6.00M	Plain Pipe Φ :- 200 MM 70.50 M
			Slotted Pipe Φ :- 200MM 16.00 M
		Pipe No. = 16 = 6.00M	Lowered Assembly:- 86 M
			Total Assembly+ AGL :- 86+0.5 M
		Pipe No. = 15 = 6.00M	Actual Drilling Depth:- 100M M
			MS H Frame:- 01
		Pipe No. = 14 = 1.00M	MS Ring:- 17 NOS 200MM
			MS Reducer:-
	30.50	Pipe No. = 13 = 6.00M	MS Bail Plug:- 01 NOS
	 		MS Clamp:- 01
	34.50	Pipe No. = 12 = 4.00M	MS Well Cap:- 01
			Centre Guide:- 02
		Pipe No. = 11 = 6.00M	
		Pipe No. = 10 = 5.00M	
	45.50		
	 	Pipe No. = 9 = 2.00M	
	47.50		
		Pipe No. = 8 = 6.00M	
		Pipe No. = 7 = 3.50M	
	57.50		
	 	Pipe No. = 6 = 5.00M	
	62.50		
		Pipe No. = 5 = 6.00M	
		Pipe No. = 4 = 1.00M	
		Pipe No. = 03 = 6.00M	
	75.0		
	 	Pipe No. = 02 = 5.00M	
	80.0		
		Pipe No. = 01 = 6.00M	
	86.0		

Bail Plug

Sanjiv Kumar
Contractor

Representative

Adnan
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: 16/06/23
Contractor Name: Kalpataru Power Transmission Limited. LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022

Location of Work

DISTRICT: ALIGARH BLOCK: 16/CAS SCHEME: MANIPUR

Following civil items are ready for inspection :

- 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 :

- 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 lowering work Assembly - 200X200
CPM-270 Drill depth - 100

On Date: 17/06/23 Time: 10:00AM
Submitted By: RAMANAND Date: Time 10.00 AM Sign:
TPI (Aarvee): Khan Akbar Date: Time Sign:
Recieved By: Date Time Sign:

Comments :

Civil Department

E&M, IIC Department

NAME: APPROVED NAME: APPROVED
DESIG: APPROVED AS NOTED DESIG: APPROVED AS NOTED
SIGN: REJECTED SIGN: REJECTED