

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DEEPLY, BLOCK- GANGRI, 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 14.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 = 15.34 ~~Ohms.~~

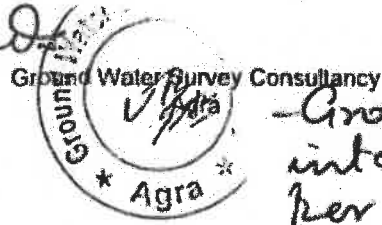
Drilling Water Resistivity = 16.71 ~~Ohms.~~

Approx Water Level = 21 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 - 17	9	Dry sand	
4.	17 - 23	6	Clay kankar	
5.	23 - 31	8	Fine to Medium sand	Medium
6.	31 - 56	25	Clay kankar	
7.	56 - 65*	9	Medium sand	Medium
8.	65 - 68	3	Clay kankar	
9.	68 - 82*	14	Medium sand	Medium
10.	82 - 89	7	Clay kankar	
11.	89 - 99*	10	Medium sand	Medium
12.	99 - 105	6	Clay kankar	

- All zones are intermixed with thin bands of kankar

- Logging performed as per SWSM guidelines



- Groundwater quality interpreted by firm as per their logger calibration

G.Sr
14/02/23



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01 RFI no: JJM/ALIGARH/KPTL/ Date : 14/03/2023

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

Location of Work

DISTRICT: ALIGARH BLOCK: GANIGRI SCHEME: DOTEHI

Following civil items are ready for inspection : Date : SBC [] Tube Well [x] Excavation [] PCC [] RCC [] Drilling [] Logging [] Lowering [x] 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 : Tube well lowering

On Date: 15/03/2023 Time: 10:00AM

Submitted By TARIK HADID Date: 14/03/23 Time 10.00 AM Sign [Signature]

TPI (Aarvee) Recieved By Anand Gangrade Date 15-03-23 Time 2:00PM Sign [Signature]

Comments :

Civil Department E&M , I/C Department NAME : [] APPROVED NAME : [] APPROVED DESIG : [] APPROVED AS NOTED DESIG : [] APPROVED AS NOTED SIGN: [] REJECTED SIGN: [] REJECTED



KALPATARU

KALPATARU POWER TRANSMISSION LIMITED

aarvee associates
architects engineers & consultants pvt. ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Allgarh	Block:- GANGIRI	Scheme:- DAHELI
Rig No/ Type DC:-	Size of Bore:- 500mmφ	
Under:- JJM	Assembly Size:- 200mmφ	Required LPM:- 230LPM
Contractor:- KPTL		

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL		Pipe No. =	Drilling Started Date:- 09/04/23
		Pipe No. =	DPR Drilling Depth:- 110m
		Pipe No. =	Logging Started Date:- 14.03.2023
		Pipe No. =	Logging Completed Date:- 14.03.2023
		Pipe No. =	Lowering Started Date :- 15.03.2023
		Pipe No. =	Lowering Completed Date :- 15.03.2023
		Pipe No. =	Housing Pipe Φ :- 200 MM M
		Pipe No. =	Above AGL Φ :- 200 MM 0.5 M
		Pipe No. =	Plain Pipe Φ :- 200 MM 70 M
		Pipe No. =	Slotted Pipe Φ :- 200 MM 10 M
		Pipe No. =	Lowered Assembly:- 07.50 M
		Pipe No. =	Total Assembly+ AGL :- 08.00 M
		Pipe No. = 15 = 6.0m	Actual Drilling Depth:- 110 M
		Pipe No. = 14 = 6.0m	MS H Frame:- 1
		Pipe No. = 13 = 6.0m	MS Ring:- 14
	Pipe No. = 12 = 6.0m	MS Reducer:- -	
	Pipe No. = 11 = 6.0m	MS Bail Plug:- 1	
	Pipe No. = 10 = 6.0m	MS Clamp:- 1	
	Pipe No. = 9 = 6.0m	MS Well Cap:- 1	
	Pipe No. = 8 = 6.0m	Centre Guide:- 3	
	Pipe No. = 7 = 4.0m		
	Pipe No. = 6 = 6.0m		
	Pipe No. = 5 = 6.0m		
	Pipe No. = 4 = 6.0m		
	Pipe No. = 3 = 6.0m		
	Pipe No. = 2 = 6.0m		
	Pipe No. = 1 = 6.0m		

[Signature]
Contractor (KPTL)
Representative

[Signature]
15-03-23
Representative

Client Representative