

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AHAK, BLOCK- JAWAN, DISTT- ALIGARH UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth 100 mtrs. at above site. Was drilled by M/s Kalpataru Power Transmission limited, Etah.

On the request of M/s Kalpataru Power Transmission limited, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 15.June.2023.

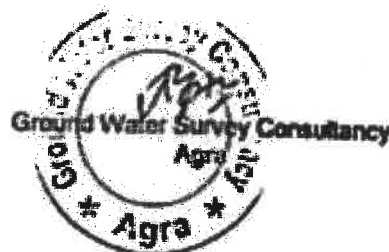
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 16.43 Ohms.

Drilling Water Resistivity = 17.24 Ohms.

Approx Water Level = 14 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 11	6	Clay	
3.	11 - 17	6	Medium sand	Medium
4.	17 - 25	8	Clay kankar	
5.	25 - 35	10	Medium sand	Medium
6.	35 - 43	8	Clay kankar	
7.	43 - 52*	9	Medium sand	Medium
8.	53 - 59	6	Clay kankar	
9.	59 - 80*	21	Medium sand	Medium
10.	80 - 100	20	Clay kankar	



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



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01	RFI no: JJM/ALIGARH/KPTL/	Date : 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: JAWAN	SCHEME: AHAK
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Following civil items are ready for inspection : Date :

SBC <input type="checkbox"/>	Tube Well <input 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="checkbox"/>			

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 work. Assembly \approx 200x200 mm
 Cp-110 Drill depth - 100

On Date : 17/06/23 Time : 10:00AM
 Submitted By RAMANAND Date: Time 10.00 AM Sign Ramanand

Recieved By MOHD ASIM Date Time Sign M. Asim

Comments :
 ① Mud pit Area is not Battered with hard barricading
 ② Quality of welding is not Satisfactory. Improvement Required.

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



KALPA-TARU

KALPATARU POWER TRANSMISSION LIMITED

arvee associates
architects engineers & consultants pvt. ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh Block:- **JAWAN** Scheme:- **AHAK**

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

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

Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL		Pipe No. =	Drilling Started Date:- 13/06/23 DPR Drilling Depth:- 100
		Pipe No. =	Logging Started Date:- 16/06/23 Logging Completed Date:- 16/06/23
		Pipe No. =	Lowering Started Date :- 17/06/23 Lowering Completed Date :- 17/06/23
		Pipe No. =	Housing Pipe Φ :- MM M Above AGL Φ :- MM M
	0.59	Pipe No. =	Plain Pipe Φ :- 200 MM 66.09 M Slotted Pipe Φ :- 200 MM 18 M
		Pipe No. =	Lowered Assembly:- 83.50 M Total Assembly+ AGL :- 83.50 + 0.59 M
		Pipe No. = 15 = 6.01 M	Actual Drilling Depth:- 100 M MS H Frame:- 01
		Pipe No. = 14 = 6.02 M	MS Ring:- 14 Nos 200M MS Reducer:-
		Pipe No. = 13 = 6.02 M	MS Bail Plug:- 01 MS Clamp:- 01
		Pipe No. = 12 = 6.00 M	MS Well Cap:- 01 Centre Guide:- 02
		Pipe No. = 11 = 6.01 M	
		Pipe No. = 10 = 6.02 M	
		Pipe No. = 9 = 6.01 M	
		Pipe No. = 8 = 4.00	
266		Pipe No. = 7 = 6.00 M	
		Pipe No. = 6 = 6.00 M	
		Pipe No. = 5 = 2.00 M	
		Pipe No. = 4 = 6.00 M	
L66		Pipe No. = 3 = 6.00 M	
L66		Pipe No. = 2 = 6.00 M	
Bail Plug		Pipe No. = 1 = 6.00 M	

Sanand
Contractor
Representative

M. Anis
TPI
Representative

Client
Representative

G.P. : Ahak

Block : Jamban

District : Alghorh

Required : 110 LPM

300mm dia Plain Pipe : X

200mm dia Plain Pipe : 78

200mm dia Slotted Pipe : 12

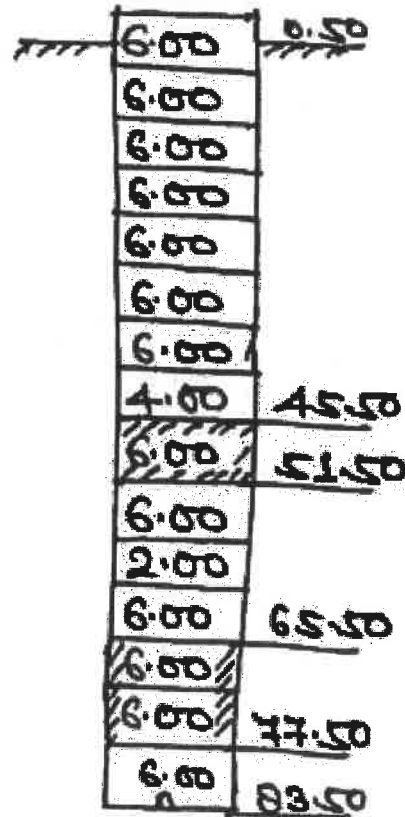
Summry

Streta :-

25-35 → 10 mtr x

43-52 → 09 mtr

59-80 → 21 mtr



300mm dia Plain Pipe : X

300X200 mm Reducer : X

200mm dia Plain Pipe : 66.00 mtr

200mm dia Slotted Pipe : 18.00 mtr

Total : 84.00 mtr