

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AANANDPUR, BLOCK- GANGIRI, DISTT- ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth ~~102~~ 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 28.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 = 16.58 Ohms.

Drilling Water Resistivity = 17.88 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 17	7	Fine sand	
4.	17 - 25	8	Clay kankar	
5.	25 - 35	10	Medium sand	Medium
6.	35 - 47	12	Clay kankar	
7.	47 - 53*	6	Fine to Medium sand	Medium
8.	53 - 57	4	Clay kankar	
9.	57 - 66*	9	Medium sand	Medium
10.	66 - 69	3	Clay kankar	
11.	69 - 82*	13	Medium sand	Medium
12.	82 - 89	7	Clay kankar	
13.	89 - 95*	6	Fine to Medium sand	Medium
14.	95 - 102	7	Clay kankar	

Qr No 13-90-95
(5w)

G.S.R.
29/03/23



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



KALPA-TARU

KALPATARU POWER TRANSMISSION LIMITED

vaarvee associates
architects engineers & consultants pvt. ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh Block:- *Gangaki* Scheme:- *Anandpur*
 Rig No/ Type DC:- Size of Bore:- *500mm*
 Under:- JJM Assembly Size:- *NB 200mm* Required LPM:- *310*
 Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL		Pipe No. =	Drilling Started Date:- <i>26.03.23</i> DPR Drilling Depth:- <i>110m</i>
		Pipe No. =	Logging Started Date:- <i>29.03.23</i> Logging Completed Date:- <i>29.03.23</i>
		Pipe No. =	Lowering Started Date:- <i>03.04.23</i> Lowering Completed Date:- <i>03.04.23</i>
		Pipe No. =	Housing Pipe Φ :- MM M Above AGL Φ :- <i>200</i> MM <i>0.60</i> M
		Pipe No. =	Plain Pipe Φ :- <i>200</i> MM <i>70.19</i> M Slotted Pipe Φ :- <i>200</i> MM <i>18.0</i> M
		Pipe No. =	Lowered Assembly:- <i>07.5</i> M Total Assembly+ AGL :- <i>88.18</i> M
		Pipe No. = <i>15 = 6.02m</i>	Actual Drilling Depth:- <i>110</i> M
		Pipe No. = <i>14 = 6.01m</i>	MS H Frame:- <i>01</i> MS Ring:- <i>014</i>
		Pipe No. = <i>13 = 6.03m</i>	MS Reducer:- <i>-</i> MS Bail Plug:- <i>01</i>
		Pipe No. = <i>12 = 6.01m</i>	MS Clamp:- <i>01</i> MS Well Cap:- <i>01</i>
		Pipe No. = <i>11 = 6.02m</i>	Centre Guide:- <i>02</i>
		Pipe No. = <i>10 = 6.01m</i>	
		Pipe No. = <i>9 = 6.02m</i>	
		Pipe No. = <i>02 = 6.01m</i>	
	e.g		Pipe No. = <i>7 = 5.01m</i>
		Pipe No. = <i>6 = 6.02m</i>	
		Pipe No. = <i>6.0m</i>	
		Pipe No. = <i>4 = 5m</i>	
		Pipe No. = <i>3 = 6.01m</i>	
		Pipe No. = <i>22 = 6.0m</i>	
		Pipe No. = <i>1 = 6.01m</i>	
Bail Plug	<i>07.5</i>		

[Signature]
 Contractor Representative
(Stamp)

[Signature]
 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 : 31.03.2023

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

Location of Work

District: ALIGARH Block : Gangisi Scheme : Anandpur

Following civil items are ready for inspection : Date :

- SBC [] Tube Well [x] Excavation [] PCC [] RCC []
Shuttering [] Brick Work [] Plaster Work [] Painting [] Stand Post []
ing 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 : 01.04.2023 Time : 10:00 AM

Submitted By TAAMP Date: 31.03.23 Time: 3:00 PM Sign: [Signature]

TPI (Aarvee)

Received By Date Time Sign [Signature]

Comments : 3/4/23

Table with 4 columns: Department, Name, Designation, Status. Rows for Civil and E&M, I/C departments with APPROVED, APPROVED AS NOTED, and REJECTED options.

C.P. → Anandpur - Block - Gangaoti, Aligarh

"Required" → "310 LPM"

88
12

100 mtr

Stick

47-53 → 06 mtr

157-66 → 09 mtr

169-82 → 12 mtr

6.00	0.50
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	
5.00	
6.00	58.50
6.00	64.50
5.00	69.50
6.00	
6.00	81.50
6.00	
n	87.50

200 mm dia Plain pipe → 70 mtr

200 mm dia Stkld pipe → 18.00 mtr

Ptd 88.00 mtr

AGL → 0.50 mtr

BGL 87.50 mtr