

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DATAHOLI BUZURG, BLOCK- BHAULI, DISTT- ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth, and Logged depth ~~110~~ 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 22.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 = 14.39 Ohms.

Drilling Water Resistivity = 15.68 Ohms.

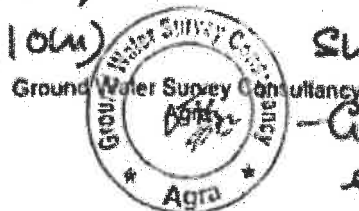
Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay	
3.	10 - 20	10	Medium sand	Medium
4.	20 - 25	5	Clay kankar	
5.	25 - 32	7	Medium sand	Medium
6.	32 - 55	23	Clay kankar	
7.	55 - 67*	12	Medium sand	Medium
8.	67 - 78	11	Clay kankar	
9.	78 - 83*	5	Fine to Medium sand	Medium
10.	83 - 94	11	Clay kankar	
11.	94 - 106*	12	Medium sand	Medium
12.	106 - 110	4	Clay kankar	

Sr No 9 - 79 - 83 (4m)

Sr No 11 - 96 - 106 (10m)

G Sh
22/03/23



- Logging performed as per
SWSM guidelines.

- Groundwater quality
interpreted by firm
as per their logger
calibration.



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01	RFI no: JJM/ALIGARH/KPTL/	Date : 24.03.2023
Contractor Name: Kalpataru Power Transmission Limited.	LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022	

Location of Work

District: ALIGARH	Block : BIJAULI	Scheme : Data choli Buzing
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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"/>
Shuttering <input type="checkbox"/>	Brick Work <input type="checkbox"/>	Plaster Work <input type="checkbox"/>	Painting <input type="checkbox"/>	Stand Post <input type="checkbox"/>
Riser 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"/>	Slor <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="text"/>	

Work Description :
Tube well lowering.

Or date : 25.03.2023	Time : 10:00 AM		
Submitted By : Taaif Habib	Date: 24.03.23	Time : 6:00 PM	Sign :

TPI (Aarvee)

Recieved By	Date	Time :	Sign
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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

Noor Azeem Khan

70
24
100 mtr

G.P. → Datta Chali Buzurg, Block - Bijauli, Allgorh

Required → '555 LPM'

Strata
55-67 → 12 mtr
78-83 → 05 mtr
94-106 → 12 mtr

6.00	0.50
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	
1.50	
6.00	55.00
6.00	
6.00	67.00
6.00	
6.00	79.00
3.50	82.50
6.00	
6.00	94.50
2.50	
6.00	103.00
6.00	109.00 ✓

200 mm dia Plain pipe → 85.50 mtr
 200 mm dia slotted pipe → 24.00 mtr
 P.H. 109.50 mtr
 BGL AGL (-) 0.50 mtr
 BGL 109.00 mtr



KALPATARU

KALPATARU POWER TRANSMISSION LIMITED

kaarvee associates
architects engineers & consultants Pvt. Ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh Block:- Bijauli Scheme:- Data choli Buzurg

Rig No/ Type DC:- Size of Bore:- 500 mm

Under:- JJM Assembly Size:- NPS 250mm Required LPM:- 555

Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL		Pipe No. =	Drilling Started Date:- <u>10.03.2023</u>
	<u>0.73</u>		DPR Drilling Depth:- <u>110 mtr</u>
	<u>5.35</u>	Pipe No. = <u>20 = 6.08 m</u>	Logging Started Date:- <u>23.03.23</u>
	<u>11.43</u>	Pipe No. = <u>19 = 6.08 m</u>	Logging Completed Date:- <u>23.03.23</u>
	<u>17.47</u>	Pipe No. = <u>18 = 6.04 m</u>	Lowering Started Date:- <u>25.03.23</u>
	<u>23.54</u>	Pipe No. = <u>17 = 6.07 m</u>	Lowering Completed Date:- <u>25.03.23</u>
	<u>29.62</u>	Pipe No. = <u>16 = 6.08 m</u>	Housing Pipe Φ:- MM M
	<u>35.69</u>	Pipe No. = <u>15 = 6.07 m</u>	Above AGL Φ:- <u>200</u> MM <u>0.5</u> M
	<u>41.78</u>	Pipe No. = <u>14 = 6.09 m</u>	Plain Pipe Φ:- <u>200</u> MM <u>85.02</u> M
	<u>47.86</u>	Pipe No. = <u>13 = 6.08 m</u>	Slotted Pipe Φ:- <u>200</u> MM <u>24.08</u> M
	<u>48.06</u>	Pipe No. = <u>12 = 1 m</u>	Lowered Assembly:- <u>109.1</u> M
	<u>54.92</u>	Pipe No. = <u>11 = 6.06 m</u>	Total Assembly+ AGL:- <u>109.83</u> M
	<u>60.94</u>	Pipe No. = <u>10 = 6.02 m</u>	Actual Drilling Depth:- <u>110</u> M
	<u>66.96</u>	Pipe No. = <u>9 = 6.02 m</u>	MS H Frame:- <u>01</u>
	<u>72.98</u>	Pipe No. = <u>8 = 6.02 m</u>	MS Ring:- <u>19</u>
	<u>79.06</u>	Pipe No. = <u>7 = 6.08 m</u>	MS Reducer:- <u>—</u>
	<u>82.58</u>	Pipe No. = <u>6 = 3.52 m</u>	MS Bail Plug:- <u>01</u>
	<u>88.46</u>	Pipe No. = <u>5 = 5.88 m</u>	MS Clamp:- <u>01</u>
	<u>94.5</u>	Pipe No. = <u>4 = 6.04 m</u>	MS Well Cap:- <u>01</u>
	<u>97.50</u>	Pipe No. = <u>3 = 2.5 m</u>	Centre Guide:- <u>03</u>
	<u>103.02</u>	Pipe No. = <u>2 = 6.02 m</u>	
Bail Plug	<u>109.1</u>	Pipe No. = <u>1 = 6.08 m</u>	

[Signature]
Contractor
Representative
(KPTL)

[Signature]
TPI
Representative

Client
Representative