

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SHAHPUR AURANGABAD, BLOCK- DHANIPUR, DISTT- ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 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 07.May.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:-

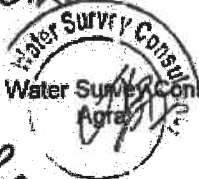
Mud Resistivity = 16.21 Ohms.

Drilling Water Resistivity = 17.48 Ohms.

Approx Water Level = 3 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 - 30	20	Medium sand	Medium
4.	30 - 34	4	Clay kankar	
5.	34 - 38	4	Fine sand	Medium
6.	38 - 42	4	Clay kankar	
7.	42 - 48*	6	Fine to Medium sand	Medium
8.	48 - 66	18	Clay kankar	
9.	66 - 85*	19	Medium sand	Medium
10.	85 - 89	4	Clay kankar	
11.	89 - 93*	4	Medium sand	Medium
12.	93 - 102	9	Clay kankar	

Sr No 09. highly kankar intermixed.


 Water Survey Consultancy Agency
 G. Sh
 08/05/23

- Logging performed as per SWIS guidelines Groundwater quality interpreted by firm as per their logger calibration!

G.P.: *Shakpur*,

Block: *Shakpur*

District: *Aligarh*

Required: 360 LPM

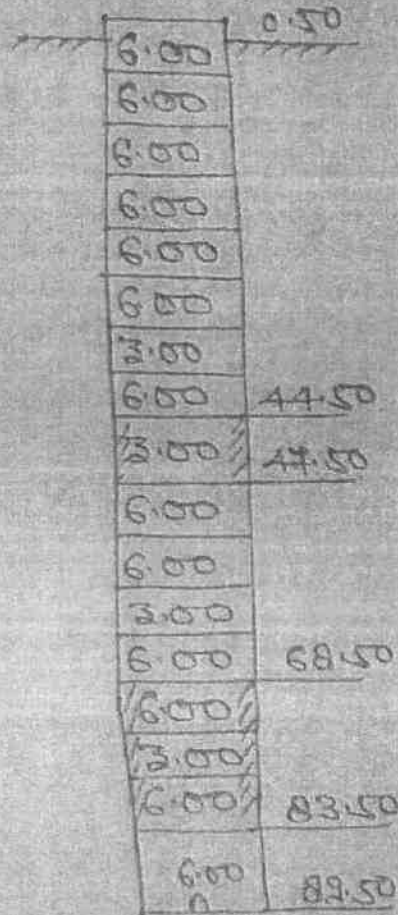
300mm dia Plain Pipe : X
200mm dia Plain Pipe : 72
200mm dia Slotted Pipe : 18
20mtr

Sireta :-

42-48 → 06mtr

66-85 → 19mtr

89-93 → 04mtr



300mm dia Plain Pipe : X
300X200 mm Reducer : Y
200mm dia Plain Pipe : 72.00mtr
200mm dia Slotted Pipe : 18.00mtr

Total : 20.00mtr



KALPATARU

KALPATARU POWER TRANSMISSION LIMITED

arvee associates
engineers & consultants Pvt. Ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh Block:- Dhanipur Scheme:- Aurangabad
 Rig No/ Type DC:- DC Size of Bore:- 500mmφ X 500mmφ
 Under:- JJM Assembly Size:- 200mmφ X 200mmφ Required LPM:-
 Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL	<u>05</u>	Pipe No. =	Drilling Started Date:- <u>16/04/2023</u> DPR Drilling Depth:- <u>30/04/2023</u>
1.11		Pipe No. =	Logging Started Date:- <u>07/05/2023</u> Logging Completed Date:- <u>07/05/2023</u>
-		Pipe No. =	Lowering Started Date :- <u>09/05/23</u> Lowering Completed Date :- <u>09/05/23</u>
-		Pipe No. =	Housing Pipe φ :- — MM — M Above AGL φ :- <u>200 MM</u> <u>0.5</u> M
<u>6.07</u>		Pipe No. = <u>17th</u>	Plain Pipe φ :- <u>200 MM</u> <u>71.76</u> M Slotted Pipe φ :- <u>200 MM</u> <u>18</u> M
<u>6.03</u>		Pipe No. = <u>16th</u>	Lowered Assembly:- <u>89.76</u> M Total Assembly+ AGL:- <u>89.76+0.5</u> M
<u>6.04</u>		Pipe No. = <u>15th</u>	Actual Drilling Depth:- <u>110Mtr</u> M
<u>6.17</u>		Pipe No. = <u>14th</u>	MS H Frame:- <u>500mmφ Outer to Outer</u> - <u>01N4</u>
<u>6.00</u>		Pipe No. = <u>13th</u>	MS Ring:- <u>16 Nos, 200 mmφ</u>
<u>6.00</u>		Pipe No. = <u>12th</u>	MS Reducer:- —
<u>2.69</u>		Pipe No. = <u>11th</u>	MS Ball Plug:- <u>200mmφ, 1 N4</u>
<u>6.00</u>	<u>44.50</u>	Pipe No. = <u>10th</u>	MS Clamp:- <u>200mmφ, 1 N4</u>
3.00		Pipe No. = <u>9th</u>	MS Well Cap:- <u>200 mmφ, 1 N4</u>
<u>1.28</u>	<u>47.50</u>	Pipe No. = <u>8th</u>	Centre Guide:- <u>03 Nos, 200mmφ</u>
<u>5.91</u>		Pipe No. = <u>7th</u>	
<u>6.85</u>		Pipe No. = <u>6th</u>	
<u>6.96</u>	<u>68.50</u>	Pipe No. = <u>5th</u>	
6.00		Pipe No. = <u>4th</u>	
3.00		Pipe No. = <u>3rd</u>	
6.00	<u>83.50</u>	Pipe No. = <u>2nd</u>	
Bail Plug <u>6.28</u>	<u>89.76</u>	Pipe No. = <u>1st</u>	

Amithranjan Kumar
 Contractor
 Representative

MPSY
 TPI
 Representative

Client
 Representative



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTU/01 RFI no: JJM/ALIGARH/KPTU/ Date : 08/05/2023
Contractor Name: Kalpataru Power Transmission Limited. LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022

Location of Work

DISTRICT: ALIGARH BLOCK: dhanipur SCHEME: Aurangabad

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 :

Tubewell MS pipe LOWERING WORK
Required discharge -360 LPM
Assembly - 200mm Ø x 200mm Ø

On Date : 09/05/2023 Time : 10:00AM
Submitted By AMIT RANJAN KUMAR Date: 08/05/2023 Time 10.00 AM Sign Amit Ranjan Kumar

Recieved By Manish Dwivedi Date 11/09/23 Time Sign Manish

Comments : Lowering work under progress.

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