

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHEEVANPUR, BLOCK- CHANDAUS, DISTT- ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 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 01.April.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 = 12.52 Ohms.

Drilling Water Resistivity = 13.70 Ohms.

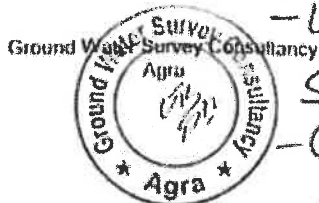
Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 7	2	Clay kankar	
3.	7 - 15	8	Dry sand	
4.	15 - 18	3	Clay kankar	
5.	18 - 23	5	Fine sand	
6.	23 - 31	8	Clay kankar	
7.	31 - 40	9	Fine to Medium sand	Medium
8.	40 - 44	4	Clay kankar	
9.	44 - 61*	17	Medium sand	Medium
10.	61 - 72	11	Clay kankar	
11.	72 - 77	5	Fine sand	Medium
12.	77 - 94	17	Clay kankar	
13.	94 - 100*	6	Medium sand & kankar	Medium
14.	100 - 105	5	Clay kankar	

Sr No 9 - 45 - 60 (15m)

Sr No 13 - 96 - 100 (4m)

G Sh
03/04/23



- Logging performed as per
SWSM guidelines
- Groundwater quality
interchecked by firm
as per their logger
calibration

G.P. → Chivanpur, Block-Chandaus, Aligarh
 Required → "260 LPM"

$\frac{82}{18}$
 100 mtr.

Shelt

AH-61 → 17 mtr

9H-100 → 0.6 mtr
 =

6.00	0.50
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	
3.50	
6.00	45.00
6.00	
3.00	
6.00	60.00
6.00	
6.00	
6.00	
6.00	
4.00	
6.00	94.00
3.00	97.00
6.00	
	103.00

200 mm dia plain pipe → 85.50 mtr

200 mm dia stilted pipe → 18.00 mtr

Total	103.50 mtr
AGL	(-) 0.50 mtr
BGL	103.00 mtr



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/Chandaus/11

Date :

Contractor Name: Kalpataru Power Transmission Limited.

LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022

Location of Work

District: ALIGARH Block : Chandaus Scheme : Chivanpur

Following civil items are ready for inspection : Date :

- SBC, Tube Well, Excavation, PCC, RCC, 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 :

Drilling of bore well GP- Chivanpur Block- Chandaus Co-ordinate N- discharge-360LPM drilling depth = 110meter

On Date: 30-03-23

Time: 11:02 AM

Submitted By: Grawal

Date: 29-03-23 Time: 5.40 PM

Sign: Grawal

TPI (Aarvee)

Received By: Ashish Kumar Date: 04/04/2023 Time: 01:00 PM Sign: Ashish

Comments :

Civil Department

E&M, I/C Department

NAME : APPROVED

NAME : APPROVED

DESIG : APPROVED AS NOTED

DESIG : APPROVED AS NOTED

SIGN: REJECTED

SIGN: REJECTED



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/Chandaus/IS

Date :

Contractor Name: Kalpataru Power Transmission Limited.

LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022

Location of Work

District: ALIGARH

Block : Chandaus

Scheme : Chikanpur WSS

Following civil items are ready for inspection :

Date :

- ABC Tube Well Excavation PCC RCC
- 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 :

Electrical logging of Chikanpur WSS

On Date: 20-03-2023

Time: 11:03 AM

Submitted By: [Signature]

Date: 01-03-23

Time: 6:03 PM

Sign: [Signature]

PI (Aarvee)

Recieved By

[Signature]

Date 05/04/2023

Time 01:00 PM

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