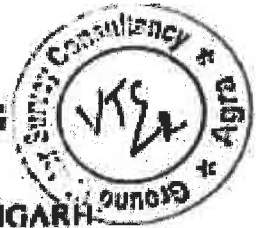


REPORT ON GEOPHYSICAL WELL LOGGING
AT
RUSTAM NAGAR
 GRAM PANCHAYAT, BLOCK- BUAJILI, DISTT- ALGARH
UNDER
JAL JIVAN MISSION



Introduction:

A Deep bore hole was drilled 120 mtrs. depth and Logged depth 112 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.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 = 17.51 Ohms.

Approx Water Level = 3 Mir.

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 - 14	7	Fine sand	
4.	14 - 20	6	Clay kankar	
5.	20 - 35	15	Medium sand	Medium
6.	35 - 45	10	Clay kankar	
7.	45 - 53*	8	Fine to Medium sand	Medium
8.	53 - 62	8	Clay kankar	
9.	62 - 86*	14	Medium sand & kankar	Medium
10.	86 - 95	9	Clay kankar	
11.	95 - 105*	10	Fine to Medium sand	Medium
12.	105 - 112	7	Clay kankar	

Ground Water Survey Consultancy



— Logging performed as per ISWM guidelines.
 — Groundwater quality interpreted by firm as per their logger calibration
 G.Sh
 02/06/23

G.P. : Rustam Nagar

Block : Bizauli

District : Aligarh

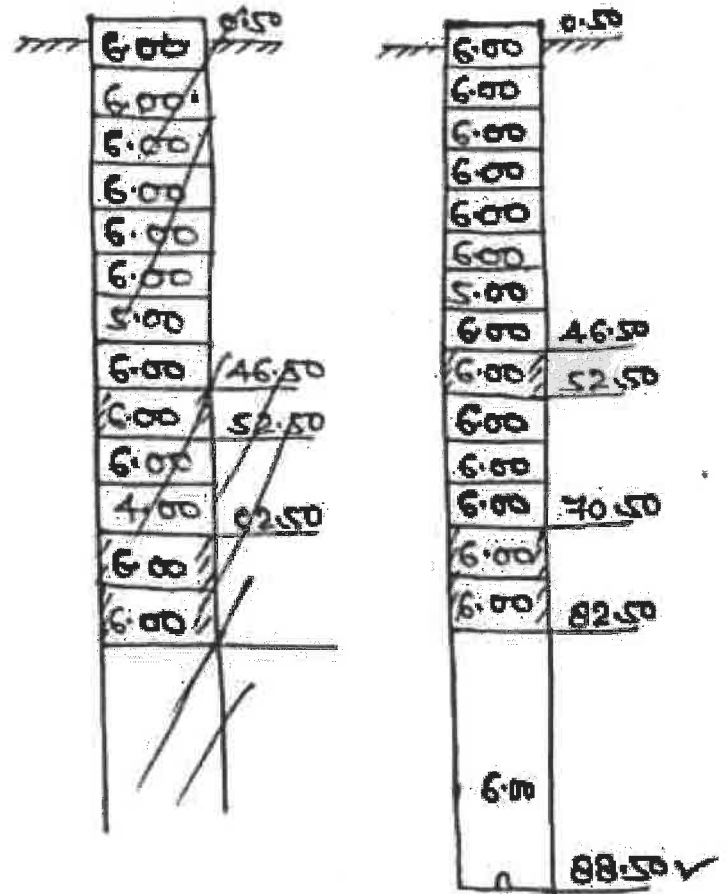
Required : 205 LPM

300mm dia Plain Pipe : X
200mm dia Plain Pipe : 84
200mm dia Slotted Pipe : 06
90mtr.

Streta :-

45-53 → 08mtr

62-86 → 24mtr



300mm dia Plain Pipe : X
300X200 mm Reducer : X
200mm dia Plain Pipe : 71.00 mtr
200mm dia Slotted Pipe : 18.00 mtr

Total : 89.00 mtr



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/

Date : 02/06/23

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: BIJAOLI SCHEME: ROSTAM NAGAR

Following civil items are ready for inspection :

Date :

- SBC, Tube Well, Excavation, PCC, RCC, Drilling, Logging, Lowering, 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 :

Tube well lowering work DRILL DEPTH -> 120M

LPM -> 20S

Assembly size -> 200x200mm

On Date : 03/02/23

Time : 10:00AM

Submitted By RAMANAND

Date:

Time 10.00 AM

Sign

Handwritten signature

TPI (Aarvee)

Receved By MOHD ACEM

Date

Time

Sign

Handwritten 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



Aarvee associates
architects engineers & consultants pvt. ltd.



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no:
JJM/ALIGARH/KPTL/

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: **BIJAUJI** SCHEME: **RUSTAM NAGAR**

Following civil items are ready for inspection :

Date :

SBC Tube Well Excavation PCC RCC
 Drilling Logging Lowering 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 :

Big machine installation and drilling work.

On Date :

Time : 10:00AM

Submitted By **RAMANAND**

Date:

Time 10.00 AM

Sign

Ramanand

TPI (Aarvee)

Reclaved By **M. J. Khan**

Date

Time

Sign

M. J. Khan

Comments :

Civil Department

E&M, I/C Department

NAME : APPROVED

NAME : APPROVED

DESIG : APPROVED AS NOTED

DESIG : APPROVED AS NOTED

SIGN: REJECTED

SIGN: REJECTED



Aarvee associates
architects engineers & consultants pvt. ltd.



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/D1

RFI no:

JJM/ALIGARH/KPTL/

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: BIJAOLI SCHEME: RUSTAM NAGAR

Following civil items are ready for inspection :

Date :

SBC Tube Well Excavation PCC RCC
 Drilling Logging Lowering 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 :

Electro logging work.

On Date :

Time : 10:00AM

Submitted By

RAMANAND

Date:

Time 10.00 AM

Sign

[Signature]

TPI (Aarvee)

Received By

MOHD ASEEM

Date

Time

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