

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JATWAR, BLOCK- GONDA, DISTT- ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 108 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 21.Nov.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 = 14.11 Ohms.

Drilling Water Resistivity = 15.36 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 - 15	10	Clay kankar	
3.	15 - 26	11	Medium sand	Medium
4.	26 - 30	4	Clay kankar	
5.	30 - 38*	8	Medium sand	Medium
6.	38 - 50	12	Clay kankar	
7.	50 - 60*	10	Fine to medium sand	Medium
8.	60 - 108	48	Clay kankar	



G.P. : नरसिंहराज

Block : Gonda

District : Aligarh

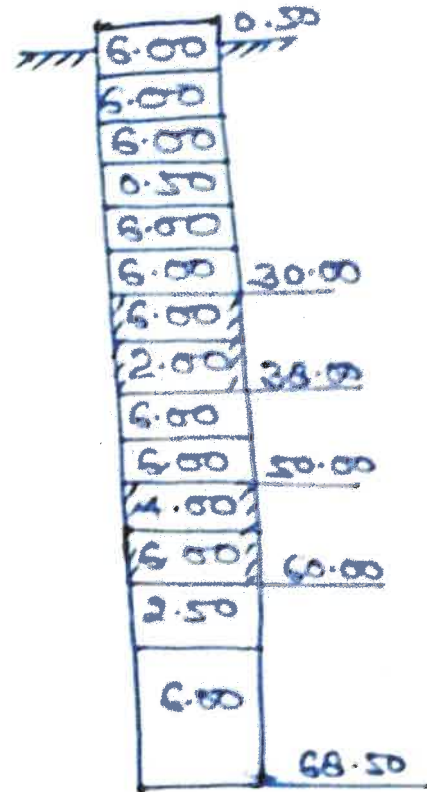
Required : 495 LPM

300mm dia Plain Pipe : x
200mm dia Plain Pipe : 76
200mm dia Slotted Pipe : 24
100 mtr

Streta :-

30-38 → 08 mtr

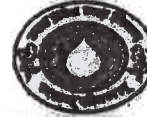
50-60 → 10 mtr



300mm dia Plain Pipe : x
300X200 mm Reducer : x
200mm dia Plain Pipe : 51.00 mtr
200mm dia Slotted Pipe : 18.00 mtr
Total : 69.00 mtr



arvee 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 : 24/11/2023

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: Gronda SCHEME: Jatwari

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 :

Tubewell MS pipe lowering work,
Required discharge - 4.95 Lpm,

On Date : 25/11/2023

Time : 10:00AM

Submitted By AMIT RANJAN KU Date: 24/11/2023 Time 10.00 AM

Sign Amit Ranjan Kumar

TPI (Arvee)

Received By _____ Date _____ Time _____ Sign _____

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/KPTLU/01

RFI no: JJM/ALIGARH/KPTL/

Date : 20/11/2023

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: Gonda SCHEME: Jatwari

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 Electro logging work Assembly ST.2E - 200mm dia 200mm Required discharge - 495

depth - 110

On Date : 21/11/2023

Time : 10:00AM

Submitted By AMIT RANJAN KUMAR Date: 20/11/2023 Time 10.00 AM

Sign Amit Ranjan Kumar

TPL (Aarvee)

Received By Date Time Sign

Comments :

Civil Department

E&M, I/C Department

NAME : APPROVED

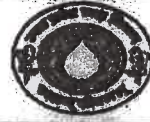
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PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTU/01

RFI no: JJM/ALIGARH/KPTU/

Date : 16/11/2023

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: Gonda SCHEME: Jafwar

Following civil items are ready for inspection : Date :
SBC [] Tube Well [x] Excavation [] PCC [] RCC []
Drilling [x] 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 :
Rig machine installation & tube well drilling work.
Assembly size - 200mm x 200mm
Required discharge - 4.95

On Date : 17/11/2023 Time : 10:00AM

Submitted By Amit Ranjan Kumar Date: 16/11/2023 Time 10.00 AM Sign Amit Ranjan Kumar

TPI (Aarvee)

Received By Date Time Sign

Comments :

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