

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- THERA, BLOCK- IGLAS, DISTT- ALIGARH  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth ~~100~~ mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Aligarh.

On the request of M/S PNC-SPML-JV, Aligarh. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 28.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:-

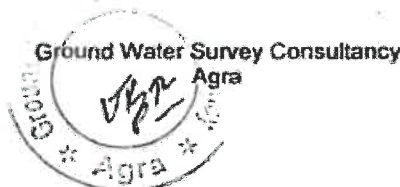
Mud Resistivity = 14.52 Ohms.

Drilling Water Resistivity = 15.60 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 - 10	5	Fine sand	
3.	10 - 13	3	Clay kankar	
4.	13 - 28	15	Fine to Medium sand	Medium
5.	28 - 34	6	Clay kankar	
6.	34 - 42*	8	Medium sand	Medium
7.	42 - 54	12	Clay kankar	
8.	54 - 60*	6	Fine to Medium sand	Med to Marginally
9.	60 - 67	7	Clay kankar	
10.	67 - 75	8	Sand & kankar	Med to Marginally
11.	75 - 85	10	Clay kankar	
12.	85 - 100*	15	Medium sand	Med to Marginally

C/S  
3 of 2/23



Logging performed as per SWSM guidelines  
- Groundwater quality interpreted by firms as per their logger calibration

G.P. : Takwa,

Block : Jyba

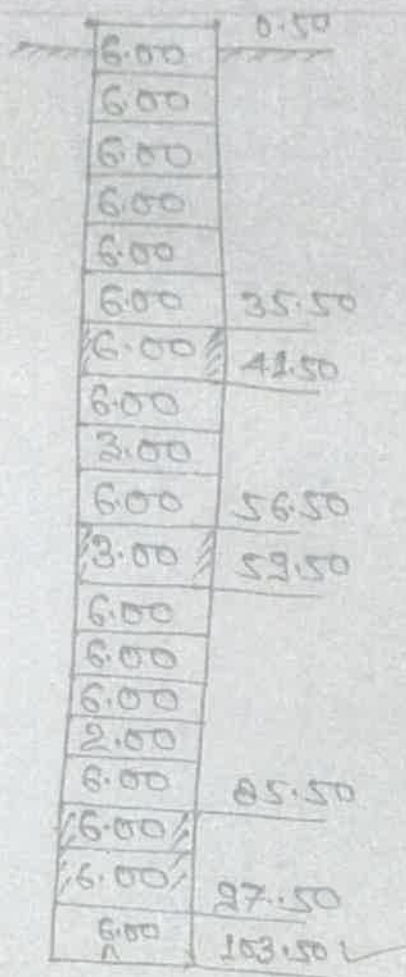
District : Aligarh

Required : 250 LPM  
530

300mm dia Plain Pipe : 4  
200mm dia Plain Pipe : 46  
200mm dia Slotted Pipe : 24  
150mtr

Streta :-

34-42 → 0.8mtr  
55-60 → 0.5mtr  
85-100 → 1.5mtr



300mm dia Plain Pipe : X  
300X200 mm Reducer : X  
200mm dia Plain Pipe : 83.00 mtr  
200mm dia Slotted Pipe : 21.00 mtr  
**Total : 104.00 mtr**



**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 : 27/05/23

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: IGLAS SCHEME: TEMRA

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 :

Rig machine installation and drilling work

On Date : Time : 10:00AM

Submitted By RAMANAND Date: Time 10.00 AM Sign Ramanand

TPI (Aarvee)

Recieved By MOHD ASIM Date: Time Sign M. Asim

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





PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/

Date : 28/05/23

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: IGLAS SCHEME: TGHRA

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: Ramchand

TPI (Aarvee)

Recieved By: MOHD ASIM Date: Time Sign: M. Asim

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/	Date : 30/05/23
Contractor Name: Kalpataru Power Transmission Limited.	LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022	

Location of Work

DISTRICT: ALIGARH	BLOCK : JG/45	SCHEME : TEHERA
-------------------	---------------	-----------------

Following civil items are ready for inspection : Date :

SBC <input type="checkbox"/>	Tube Well <input type="checkbox"/>	Excavation <input type="checkbox"/>	PCC <input type="checkbox"/>	RCC <input type="checkbox"/>
Drilling <input type="checkbox"/>	Logging <input type="checkbox"/>	Lowering <input checked="" type="checkbox"/>	OP Unit <input type="checkbox"/>	Column <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"/>
Rising 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"/>	Sloar <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 :  
 Tubewell lowering work  
 Drill depth  $\Rightarrow$  110  
 LPM  $\Rightarrow$  500  
 Assembly size - 200x200 mm

On Date : 29/05/23 Time : 10:00AM

Submitted By RAMANAND Date: Time 10.00 AM Sign Ramanand

TPI (Aarvee)

Reclved By Jeetendra Singh Date: Time: Sign Jeetendra

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

