

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth ~~120~~ 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 is conduct at above bore hole using IGIS Well Logger on 08.Jun.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 = ~~13.55~~ Ohms.

Drilling Water Resistivity = ~~14.58~~ 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 - 12	7	Dry sand	
3.	12 - 20	8	Clay kankar	
4.	20 - 35*	15	Fine to Medium sand	Medium
5.	35 - 45	10	Clay kankar	
6.	45 - 50	5	Fine sand	Marginally saline
7.	50 - 60	10	Clay kankar	
8.	60 - 65	15	Fine to Medium sand	saline
9.	65 - 70	5	Clay kankar	
10.	70 - 80	10	Sand & kankar	saline
11.	80 - 120	10	Clay kankar	

Ground Water Survey Consultancy



- Logging performed as per SWSM guidelines
- Groundwater quality interpreted by firm as per their logger calibration
GSK
08/06/23

G.P. : Karas

Block : Igla

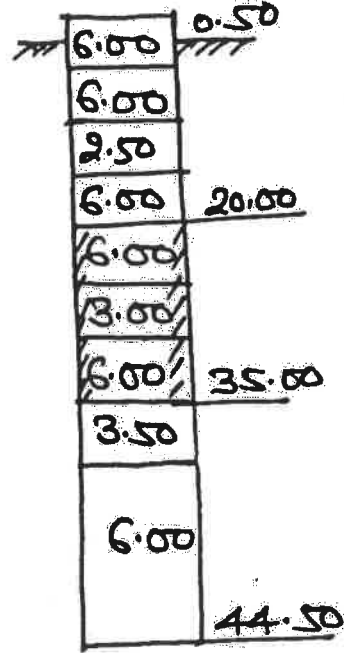
District : Aligarh

Required : 720 LPM

300mm dia Plain Pipe : 48
200mm dia Plain Pipe : 32
200mm dia Slotted Pipe : 30
110mtr

Streta :-

20-35 → 15mtr



नोट → ① cement Sealing करानी होगी।
② पर्याप्त Struts प्राप्त न होने के कारण 300 x 200 mm सिंथ के नलबूप के स्थान पर 200 x 200 mm सिंथ का नलबूप सि. कराया जाना उचित होगा। नलबूप हेतु 500 mm सिंथ का Bore बनाया जाये।

Signature

300mm dia Plain Pipe : X
300X200 mm Reducer : X
200mm dia Plain Pipe : 30.00 mtr
200mm dia Slotted Pipe : 15.00 mtr
Total : 45.00 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 : 11/06/23

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: IG (A) S SCHEME: KARAS

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 - 120

Required LPM > 720

Assembly size > 200x200 mm phi

On Date : 12/06/23

Time : 10:00AM

Submitted By : RAMANAND

Date:

Time 10.00 AM

Sign

(Signature)

TPI (Aarvee)

Received By : MOHD ASIM

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