

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 09.Sep.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 = 13.50 Ohms.

Drilling Water Resistivity = 14.09 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 - 7	2	Clay kankar	
3.	7 - 10	3	Fine sand	
4.	10 - 14	4	Clay kankar	
5.	14 - 21	7	Fine to Medium sand	Medium
6.	21 - 25	4	Clay kankar	
7.	25 - 29*	4	Fine to Medium sand	Medium
8.	29 - 32	3	Clay kankar	
9.	32 - 35	3	Fine sand	Med to Marginally
10.	35 - 48	13	Clay kankar	
11.	48 - 56	8	Fine sand	Saline
12.	56 - 82	26	Clay kankar	
13.	82 - 85	3	Sand & kankar	Saline
14.	85 - 110	25	Clay kankar	



G.P. : Nagh Baranar

Block : Gramda

District : Aligarh

Required : 595 LPM

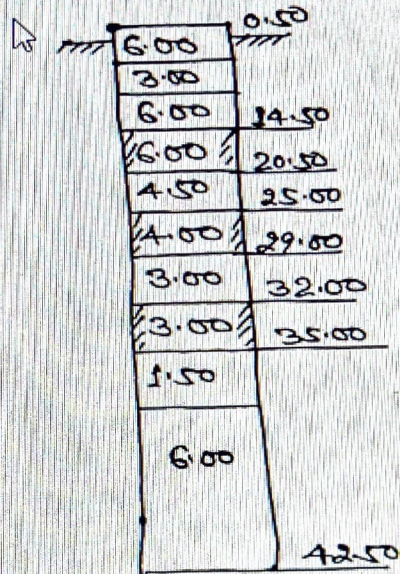
300mm dia Plain Pipe : X
200mm dia Plain Pipe : 76
200mm dia Slotted Pipe : 24
100 mtr

Streta :-

14-21 → 07 mtr

25-29 → 04 mtr

32-35 → 03 mtr



Note → 43-48 के मध्य cement sealing करनी होगी।

300mm dia Plain Pipe : X
300X200 mm Reducer : X
200mm dia Plain Pipe : 30.00 mtr
200mm dia Slotted Pipe : 13.00 mtr
Total : 43.00 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 : 12/09/2023

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: IGLAS SCHEME: NAULA DARBAR

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 Pulley, 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 :

Hubwell ms pipe lowering work
Assembly size- 200mm x 200mm
Required discharge- SGS

On Date : 13/09/2023

Time : 10:00AM

Submitted By AMITRANJAN KUMAR Date: 12/09/23 Time 10.00 AM Sign Amit Ranjan Kumar

TPI (Aarvee)

Received By Adnan Habib Date Time Sign Adnan

Comments :

Civil Department

E&M, JC Department

NAME: APPROVED NAME: APPROVED
DESIG: APPROVED AS NOTED DESIG: APPROVED AS NOTED
SIGN: REJECTED SIGN: REJECTED



KALPA-TARU

KALPATARU POWER TRANSMISSION LIMITED

darvee associates
and its engineers & consultants pvt. ltd



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh

Block:- **IGLAS**

Scheme:- **NAGLA DARBAR**

Rig No/ Type DC:-

Under:- **JJM**

Size of Bore:-

Contractor:- **KPTL**

Assembly Size:- **200mm x 200mm**

Required LPM:- **595**

CHART

PIPE LENGTH

ASSEMBLY DETAILS

AGL	CHART	PIPE LENGTH	ASSEMBLY DETAILS
		Pipe No. =	Drilling Started Date:- 07/09/2023
		Pipe No. =	DPR Drilling Depth: 110 mtr
		Pipe No. =	Logging Started Date:- 09-09-2023
		Pipe No. =	Logging Completed Date:- 09-09-2023
		Pipe No. =	Lowering Started Date :- 13-09-2023
		Pipe No. =	Lowering Completed Date :-
		Pipe No. =	Housing Pipe Φ :- MM M
		Pipe No. =	Above AGL Φ :- MM M
		Pipe No. =	Plain Pipe Φ :- 200 MM 30 M
		Pipe No. =	Slotted Pipe Φ :- 200 MM 13 M
		Pipe No. =	Lowered Assembly:- 42.50 M
		Pipe No. =	Total Assembly+ AGL :- 42.50 + 0.5M
		Pipe No. =	Actual Drilling Depth:- 110 mtr . M
		Pipe No. =	MS H Frame:- 01 - 200 mm
		Pipe No. =	MS Ring:- 10 - 200 mm
		Pipe No. =	MS Reducer:-
		Pipe No. =	MS Ball Plug:- 01 - 200 mm
		Pipe No. =	MS Clamp:- 01 - 200 mm
		Pipe No. =	MS Well Cap:- 01 - 200 mm
		Pipe No. =	Centre Guide:- 01 - 200 mm
		Pipe No. = 14th - 6.0m	
		Pipe No. = 10th - 3.0m	
		Pipe No. = 9th - 6.0m	
		Pipe No. = 8th - 6.0m	
		Pipe No. = 7th - 4.50m	
		Pipe No. = 6th - 4 m	
		Pipe No. = 5th - 3m	
		Pipe No. = 4th - 1m	
		Pipe No. = 3rd - 2 mtr	
		Pipe No. = 2nd - 1.50m	
		Pipe No. = 1st - 6.0 m	

.50

6.00

3.00

6.00

14.50

6.00M

20.50

4.50

25.00

4.00M

29.00

3.00

32.00

1.00M

2.00M

35.00

1.50

6.00

42.50

C.G

Slotted

Slotted

Slotted

Slotted

CG

Ball Plug

Pandey

Contractor Representative

Adnan

TPI Representative

Client Representative