

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MALIKPURA, BLOCK- DHANIPUR, 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 Kalptaru Power Transmission India limited, Aligarh.

On the request of M/s Kalptaru Power Transmission India limited, Aligarh. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 28.Mar.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 = 16.54 Ohms.

Drilling Water Resistivity = 18.30 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 - 17	12	Sandy clay	
3.	17 - 20	3	Clay kankar	
4.	20 - 27	7	Medium sand	Medium
5.	27 - 45	18	Clay kankar	
6.	45 - 58*	13	Medium sand	Medium
7.	58 - 78	20	Clay kankar	
8.	78 - 90*	12	Medium sand	Medium
9.	90 - 100	10	Clay kankar	

Sr No 8 - 83-90
(7m)

G.Sh
29/03/23



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



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No : JJM/ALIGARH/KPTL/01

RFI no: JJM/ALIGARH/KPTL/DHANIPUR

Date : 30/03/2023

Contractor Name: Kalpataru Power Transmission Limited.

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

Location of Work

DISTRICT: ALIGARH BLOCK: Dhanipura SCHEME: MALIKPURA

Following civil items are ready for inspection :

Date :

- SBC [] Tube Well [x] Excavation [] PCC [] RCC []
Drilling [] Logging [] Lowering [x] 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

On Date : 31-03/2023

Time : 10:00AM

Submitted By: Anshu Ranjan Kumar Date: 30/03/2023 Time 10.00 AM Sign: Anshu Ranjan Kumar

TPI (Aarvee)

Recieved By: M.F. KHAN 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

6.1 → MAUNPURI 4, STOK - MAUNPURI, DISTT. RAJASTHAN

72
18

90mtr

Required → 170 LPM
210

Shed

45-58 → 13mtr

78-90 → 12mtr

6.00	0.50
6.00	
6.00	
6.00	
6.00	
6.00	
6.00	
4.00	
6.00	45.50
6.00	
6.00	57.50
6.00	
6.00	
3.00	
6.00	78.50
6.00	84.50
6.00	
1	90.50

200 mm dia plain pipe → 73.00 mtr

200 mm dia slotted pipe → 18.00 mtr

Net 91.00 mtr

AGL → 0.50 mtr

BGL 90.50 mtr



KALPA-TARU

KALPATARU POWER TRANSMISSION LIMITED

aaarvee associates
architects engineers & consultants Pvt. Ltd.



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL DATE - 31/03/23

District:- Aligarh Block:- **DHANUPUR** Scheme:- **MALIKPURA**

Rig No/ Type DC:- **DC** Size of Bore:- **500mmφ**

Under:- JJM Assembly Size:- **200X200** Required LPM:- **210**

Contractor:- **KPTL**

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL		Pipe No. =	Drilling Started Date:- 24-03-2023
		Pipe No. =	DPR Drilling Depth:- 100m
		Pipe No. =	Logging Started Date:- 28-02-23
		Pipe No. =	Logging Completed Date:- 29-02-23
		Pipe No. =	Lowering Started Date :- 21-03-23
		Pipe No. =	Lowering Completed Date :- 21-03-23
		Pipe No. =	Housing Pipe Φ :- MM M
		Pipe No. =	Above AGL Φ :- 200 MM 0.510 M
		Pipe No. =	Plain Pipe Φ :- 200 MM 72.78 M
		Pipe No. =	Slotted Pipe Φ :- 200 MM 18m M
	0.51	Pipe No. = 16 = 6.06	Lowered Assembly:- 90.78 M
	6.06	Pipe No. = 15 = 6.06	Total Assembly+ AGL :- 91.29 M
	6.06	Pipe No. = 14 = 6.05	Actual Drilling Depth:- M
	6.05	Pipe No. = 13 = 6.06	MS H Frame:- 01
	6.06	Pipe No. = 12 = 6.06	MS Ring:- - 15
	6.06	Pipe No. = 11 = 6.06	MS Reducer:- -
	6.06	Pipe No. = 10 = 6.06	MS Ball Plug:- - 01
	6.06	Pipe No. = 9 = 3.60	MS Clamp:- - 01
45.50	3.60	Pipe No. = 8 = 6.06	MS Well Cap:- - 01
	6.00	Pipe No. = 7 = 6.08	Centre Guide:- - 03
57.50	6.00	Pipe No. = 6 = 6.06	
	6.06	Pipe No. = 5 = 6.06	
	6.06	Pipe No. = 4 = 6.05	
	6.05	Pipe No. = 3 = 3.06	
79.73	3.06	Pipe No. = 2 = 6.00	
84.73	6.00	Pipe No. = 1 = 6.05	
Bail Plug	6.05		

Shamshirpandy
Contractor
Representative

[Signature]
TPI
Representative

Client
Representative