



KALPA-TARU

KALPATARU POWER TRANSMISSION LIMITED

aarvee associates architects engineers & consultants pvt. ltd



PIPE ASSEMBLY AND LOWERING CHART FOR TUBE WELL

District:- Aligarh

Block:- IGLAS

Scheme:- NAVABAS

Rig No/ Type DC:- DC

Size of Bore:- 500mmφ x 500mmφ

Under:- JJM

Assembly Size:- 200mmφ x 200mmφ

Required LPM:- 450 LPM

Contractor:- KPTL

CHART		PIPE LENGTH	ASSEMBLY DETAILS
AGL	0.80	Pipe No. =	Drilling Started Date:- 02/04/2024 DPR Drilling Depth:- 110MTR
		Pipe No. =	Logging Started Date:- 07/04/2024 Logging Completed Date:- 07/04/2024
		Pipe No. =	Lowering Started Date:- 09/04/2024 Lowering Completed Date:- 09/04/2024
		Pipe No. =	Housing Pipe φ :- MM M Above AGL φ :- 200 MM 0.80 M
		Pipe No. =	Plain Pipe φ :- 200 MM 36.35 M Slotted Pipe φ :- 200 MM 09.00 M
		Pipe No. =	Lowered Assembly:- 44.50 M Total Assembly+ AGL :- 44.50+0.80 M
		Pipe No. =	Actual Drilling Depth:- 110MTR M
		Pipe No. =	MS H Frame:- 200mmφ, 1 Nos MS Ring:- 200mmφ, 09 Nos MS Reducer:-
		Pipe No. =	MS Bail Plug:- 200mmφ, 1 Nos MS Clamp:- 200mmφ, 1 Nos
		Pipe No. =	MS Well Cap:- 200mmφ, 1 Nos Centre Guide:- 200mmφ, 2 Nos
		Pipe No. =	
	6.10	Pipe No. = 10th	
	6.10	Pipe No. = 9th	
	2.50	Pipe No. = 8th	
	6.10	Pipe No. = 7th	
MS RW SLOTTED	20.00	Pipe No. = 6th	
	23.00	Pipe No. = 5th	
	6.10	Pipe No. = 4th	
MS RW SLOTTED	30.50	Pipe No. = 3rd	
	36.50	Pipe No. = 2nd	
Bail Plug	6.05	Pipe No. = 1st	

*Amit Ranjan Kumar*

Contractor Representative

*Adnan*

TPI Representative

Client Representative



# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 100 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 07.April.2024.

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:-

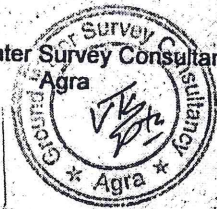
Mud Resistivity = 6.79 Ohms.

Drilling Water Resistivity = 7.64 Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry sand	
3.	15 - 20	5	Clay kankar	
4.	20 - 23	3	Fine sand	Med to Marginally
5.	23 - 31	8	Clay kankar	
6.	31 - 36	5	Fine sand	Med to Marginally
7.	36 - 40	4	Clay kankar	
8.	40 - 42	2	Kankar sand	
9.	42 - 55	13	Clay kankar	
10.	55 - 60	5	Sand & kankar	Saline
11.	60 - 66	6	Clay kankar	
12.	66 - 73	7	Sand & kankar	Saline
13.	73 - 100	27	Clay kankar	

Ground Water Survey Consultancy





G.P. : Naya bas

Block : Jgla

District : Aligarh

Required : 450 LPM

300mm dia Plain Pipe : X  
200mm dia Plain Pipe : 08  
200mm dia Slotted Pipe : 12  
100 mtr

on Electric

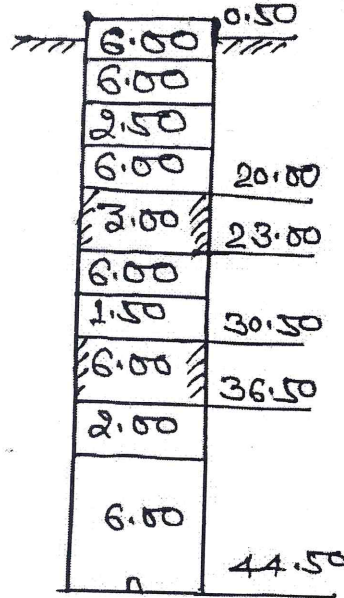
Water level → 35 feet

Streta :-

20-23 → 0.3 mtr

~~36-40 → 0.4 mtr~~

31-36 → 0.5 mtr



Note → cement sealing करनी होगी

300mm dia Plain Pipe : X  
300X200 mm Reducer : X  
200mm dia Plain Pipe : 36.00 mtr  
200mm dia Slotted Pipe : 09.00 mtr

**Total** : 45.00 mtr

KALPA-TARU

KALPATARU PROJECTS INTERNATIONAL LIMITED  
Plot No. 10, Sector 10, Gurgaon, Haryana

INDIA WATER RESOURCES DEVELOPMENT CORPORATION  
Water & Sanitation Division



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ALIGARH

REQUEST FOR INSPECTION (RFI)

Format No: JIM ALIGARH KPIL 01 RFI no: JIM ALIGARH KPIL Date: 09/04/2024

Contractor Name: KALPATARU PROJECTS INTERNATIONAL LIMITED LOA No- 3155/W-25 (Aligarh)/2021-22 dated 01.11.2022

Location of Work

DISTRICT:- ALIGARH BLOCK: IGLAS SCHEME: NAYABASS

Following civil items are ready for inspection :  
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 :  
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  
Assembly Size - 200mm x 200mm  
Required discharge - 450 LPM

On Date: 09/04/2024 Time:

Submitted By: Amit Rangan Kumar Date: 09/04/24 Time Sign: Amit Rangan Kumar

Recieved 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