



# Jal Jeevan Mission

Har Ghar Jal



## District Level Water Analysis Laboratory , U.P Jal Nigam (Rural), ALIGARH

BUILDINGNO 01, ADHIKSHAN ABHIYANTA KARYALAYA, NIRMAN MANDAL, U.P. JAL NIGAM, RAMGHATROAD, ALIGARH ALIGARH,UTTARPRADESH-202001 (Test Address only )

### Test report

Sample ID:

U1621760S13432721

### User Information

Name:

KALPATARU POWER TRANSMISSION LIMITED

Mobile:

9758010399

Email:

praveen.singh2@kalpatarupower.com

Pin Code:

Full Address:

Village- Barthar , Gram Panchayat- Barthar, Block- Shitalpur, District- Etah, State- Uttar Pradesh

### Sample description

Source of Sample:

Tube well / Bore well / Well

Village:

Dhiramai9/3/4 Biswa

Gram Panchayat:

Dhiramai9/3/4 Biswa

Block:

Marehra

District:

Etah

State:

Uttar Pradesh

Address:

Remarks:

Latitude:

Longitude:

Date & time of sample collection

05.07.2023 | 10:40:00 AM

Date & time of sample received in lab

13.07.2023 | 06:36:00 PM

Date & time of sample analysed

15.07.2023 | 07:03:00 PM

Date & time of report generation

15.07.2023 | 07:03:00 PM

### Test results

Sr. No.	Parameters tested	Unit of measurement	Requirement (acceptable limit) as per BIS 10500	Permissible limit (in absence of alternate source) as per BIS 10500	Test result value	Remarks
1	Calcium (as Ca)*	mg/l	75	200	22.500	
2	Chloride (as Cl)*	mg/l	250	1000	34.000	
3	Colour*	Hazen units	5	15	1.000	
4	E. coli	CFU/100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	
5	Fluoride (as F)*	mg/l	1	1.5	0.160	

Sr. No.	Parameters tested	Unit of measurement	Requirement (acceptable limit) as per BIS 10500	Permissible limit (in absence of alternate source) as per BIS 10500	Test result value	Remarks
6	Free residual Chlorine	mg/l	0.2	1	0.000	
7	Iron (As Fe)*	mg/l	1	No Relaxation	0.010	
8	Magnesium (As Mg)*	mg/l	30	100	20.400	
9	Nitrate (as NO3)*	mg/l	45	No Relaxation	9.400	
10	Odour*	NA	Agreeable	Agreeable	0.000	
11	pH*	NA	6.5-8.5	No Relaxation	7.610	
12	Sulphate (as SO4)*	mg/l	200	400	13.400	
13	TDS*	mg/l	500	2000	273.000	
14	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	188.000	
15	Total Arsenic (As As)	mg/l	0.01	No Relaxation	0.000	
16	Total coliform	CFU/ 100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	
17	Total Hardness (As CaCO3)*	mg/l	200	600	140.000	
18	Turbidity*	NTU	1	5	1.180	

**Note:**

- 1)\*indicates parameters that are NABL accredited.
- 2)This test results related to the sample tested above
- 3)The report shall not to be reproduced in full without approval of authority
- 4)This is the end of the report

**Authorised signatory**  
Shailender rajawat (Test Lab Incharge)

**Jal Jeevan Mission aims at potable tap water supply to every home**

Let's join hands to ensure drinking water is potable. It helps in preventing water borne diseases and improve public health.

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**Print**



KALPA-TARU



aarvee associates  
architects engineers & consultants pvt. ltd.



QUALITY MANAGEMENT SYSTEM

Format No :

KPTL/232221F/00023

DEPTH OF STARTA

### PROPOSED ASSEMBLY DETAILS

Block- Martura

GP- Dhiramai pondar biewa

SL. DPR Details -

Lowering Date - 06/05/2023

1. Water Discharge in LPM - 560

2. Bore well Drilling dia- 500 mm

3. Bore well Drilling depth- 110 mtr.

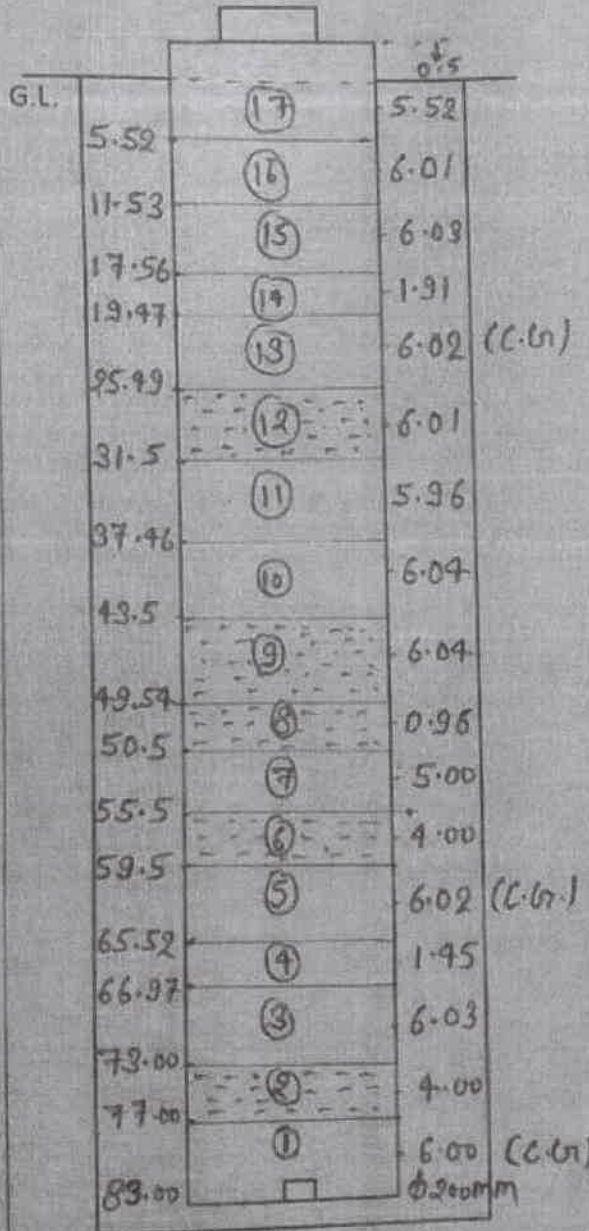
### LOGGING REPORT

Depth-	Date-	SL.	Depth Range	Thickness	Remarks
		1	13-32	19	
		2	43-51	8	
		3	55-60	5	
		4	73-77	4	
		5			
		6			
		7			
		8			
		9			
		10			
		11			

### Assembly Details

### Proposed Assembly for Lowering

- 300mm dia MS Plain Pipe-
- 200mm dia MS Plain Pipe - 62.49 mtr.
- 200mm dia MS Slotted Pipe- 21.01 mtr.
- 200mm dia LCG Pipe -
- 300/200 mm dia Reducer -
- MS Bail Plug- 1
- MS Ring 300mm-
- MS Ring 200mm- 16
- MSSI Clamp-
- Centre Guide - 3
- TW Assembly Support-
- MS Well Cap - 1
- Pea Gravel Packing- 18.97 cum



Shubham  
KPTL

TPI

TPI

lowering work  
executed as per  
assembly chart

CLIENT (UPJN)

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DHIRAMAI PONE DAS BISWA, BLOCK- MARHERA,  
DISTT- ETAH  
UNDER  
JAL JIVAN MISSION



## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 90 mtrs. at above site. Was drilled by M/s *Kalpatriya Power Transmission Ltd.*

On the request of M/s *Kalpatriya Power Transmission Ltd.* a Geophysical well Logging in the above bore hole using IGIS Well Logger on 27.April.2023.

Logging Parameters - 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 = 15.78 Ohms.

Drilling Water Resistivity = 16.99 Ohms.

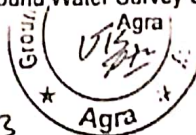
Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Kankar	
3.	10 - 13	3	Clay kankar	
4.	13 - 32	19	Fine to Medium sand	Medium
5.	32 - 35	3	Clay kankar	
6.	35 - 38	3	Fine sand	Medium
7.	38 - 43	5	Clay kankar	
<del>8.</del>	43 - 51*	8	Fine to Medium sand	Medium
9.	51 - 55	4	Clay kankar	
10.	55 - 60	5	Sand & kankar	Medium
11.	60 - 73	13	Clay kankar	
<del>12.</del>	73 - 77*	4	Fine to Medium sand	Medium
13.	77 - 90	13	Clay kankar	

S<sub>2</sub> NO4 - 44 - 51 (7m)

G.Sh  
03/05/23

Ground Water Survey Consultancy



- Logging performed as per SWSM guidelines.

- Groundwater quality interpreted by firm as per their logger calibration