



Jal Jeevan Mission

Har Ghar Jal

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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)

[Print](#)

Test report

Sample ID:

U1485429S19570733

User Information

Name:	Kalpataru power transmission limited	Mobile:	6398162959
Email:	vikas.om@kalpatarugroup.com	Pin Code:	
Full Address:	Village- Arjunai Simrai , Gram Panchayat- Arjunai Simrai, Block- Aliganj, District- Etah, State- Uttar Pradesh		

Sample description

Source of Sample:	Jamalpur	Village:	Jamal Pur
Gram Panchayat:	Jamal Pur	Block:	Shitalpur
District:	Etah	State:	Uttar Pradesh
Address:		Remarks:	
Latitude:	27.5201680	Longitude:	78.8788171

Date & time of sample collection

20.04.2024 | 10:55:00 AM

Date & time of sample received in lab

29.04.2024 | 02:00:00 PM

Date & time of sample analysed

29.04.2024 | 02:28:00 PM

Date & time of report generation

02.05.2024 | 06:41:26 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	27.300	
2	Chloride (as Cl)*	mg/l	250	1000	17.600	
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	0.100	
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 NO ₃)*	mg/l	45	No Relaxation	5.100	
10	pH*	NA	6.5-8.5	No Relaxation	8.070	
11	Sulphate (as SO ₄)*	mg/l	200	400	12.100	
12	TDS*	mg/l	500	2000	201.000	
13	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	168.000	
14	Total Arsenic (As As)	mg/l	0.01	No Relaxation	0.000	
15	Total coliform	CFU/ 100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	
16	Total Hardness (As CaCO ₃)*	mg/l	200	600	152.000	
17	Turbidity*	NTU	1	5	0.590	

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)

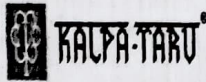
*****This is an electronically generated report and does not require a signature.*****

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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architects engineers & consultants pvt. ltd.



QUALITY MANAGEMENT SYSTEM

Format No :
KPTL/232221F/00023

DEPTH OF STARTA

PROPOSED ASSEMBLY DETAILS

Block- Slytulpur
GP- Jamalpur

SL. DPR Details -

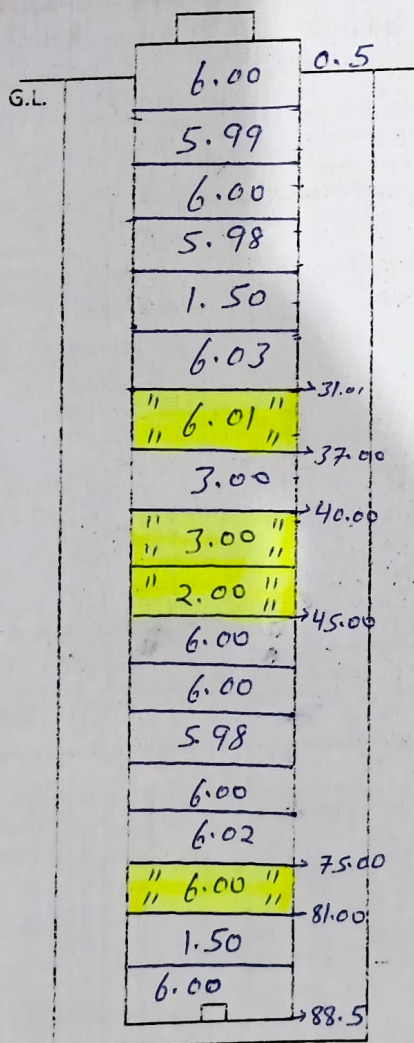
Lowering Date - 06/01/2024

1. Water Discharge in LPM - 260

2. Bore well Drilling dia- 500mm

3. Bore well Drilling depth- 100 mtr

LOGGING REPORT 100 mtr



Total length = $89.01 - 0.5$
 $= 88.51$

Depth-	Date-	SL.	Depth Range	Thickness	Remarks
		1	31-37	6.01	
		2	40-45	5.00	
		3	75-81	6.00	
		4			
		5			
		6			
		7			
		8			
		9			
		10			
		11			

Assembly Details

Proposed Assembly for Lowering

- 300mm dia MS Plain Pipe-
- 200mm dia MS Plain Pipe 72 mtr
- 200mm dia MS Slotted Pipe-
- 200mm dia LCG Pipe - 17.01 mtr
- 300/200 mm dia Reducer -
- MS Bail Plug- 1 Nos
- MS Ring 300mm-
- MS Ring 200mm- 17 Nos
- MSSI Clamp- 1 Nos
- Centre Guide - 3 Nos
- TW Assembly Support- 1 Nos
- MS Well Cap - 1 Nos
- Pea Gravel Packing-

to keep
KPTL

ग्राहक
TPI

CLIENT (UPJN)

Lowering work executed as per assembly chart.

KALPA-TARU®

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architects engineers & consultants pvt. ltd.



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ETAH

REQUEST FOR INSPECTION (RFI)

Format No : KPIL/232221F/00001

RFI no: JJM/ETAH/KPIL/

Date : 22/12/2023

Contractor Name: Kalpataru Projects International Limited

LOA No- 3563/W-25 (Aligarh)/2021-22 dated 07.01.2022

Location of Work

District: Etah Block : Shutapur Scheme : Samalpur

Following civil items are ready for inspection :

Date :

SBC	<input type="checkbox"/>	Tube Well	<input checked="" type="checkbox"/>	Excavation	<input type="checkbox"/>	PCC	<input type="checkbox"/>	RC	<input type="checkbox"/>
Shuttering	<input type="checkbox"/>	Brick Work	<input type="checkbox"/>	Plaster Work	<input type="checkbox"/>	Painting	<input type="checkbox"/>	Stand Post	<input type="checkbox"/>
Rising Main	<input type="checkbox"/>	Backfilling	<input type="checkbox"/>	M.S. Wicket Gate/ Window	<input type="checkbox"/>			Interlocking Tile	<input type="checkbox"/>
PE Pipeline	<input type="checkbox"/>	Others	<input type="text"/>						

Following Mechanical, Electrical, C&I Items are ready for inspection :

Date :

Instrumentation	<input type="checkbox"/>	Welding	<input type="checkbox"/>	Valves	<input type="checkbox"/>	Chain Pully	<input type="checkbox"/>	DG Set	<input type="checkbox"/>
Pump Set	<input type="checkbox"/>	Stabilizer	<input type="checkbox"/>	Panne	<input type="checkbox"/>	Sloar	<input type="checkbox"/>	Chlorinating Plant	<input type="checkbox"/>
Lighting	<input type="checkbox"/>	EMF Meter	<input type="checkbox"/>	Level / Pressure Transmitter	<input type="checkbox"/>			RTU	<input type="checkbox"/>
Earthing cable	<input type="checkbox"/>	Starter	<input type="checkbox"/>	Piping- DI () HDPE () MS () MDPE ()	<input type="checkbox"/>			Others	<input type="checkbox"/>

Work Description :

Tube well Drilling & logging work

Required:- 2 PM - 260

On Date : 23/12/2023

Time : 11:00

Submitted By

Date

Time

Sign

[Signature]

TPI (Aarvee)

Received By

Date 23/12/23 Time

Sign

[Signature]

Comments :

Drilling depth = 100mtr
Logging depth = 100mtr

Civil Department

E&M , I/C Department

NAME :

APPROVED

NAME :

APPROVED

DESIG :

APPROVED AS NOTED

DESIG :

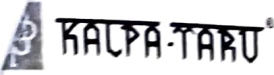
APPROVED AS NOTED

SIGN:

REJECTED

SIGN:

REJECTED



PROJECT - STATE WATER AND SANITATION MISSION PROJECT ETAH

REQUEST FOR INSPECTION (RFI)

Format No : KPIL/232221F/00001 RFI no: JJM/ETAH/KPIL/ Date : 05/01/2024
Contractor Name: Kalpataru Projects International Limited LOA No- 3563/W-25 (Aligarh)2021-22 dated 07.01.2022

Location of Work

District: Etah Block : Shyatalpur Scheme : Jamalpur

Following civil items are ready for inspection : Date :
SBC Tube Well Excavation PCC RC
Shuttering Brick Work Plaster Work Painting Stand Post
Rising Main Backfilling M.S. Wicket Gate/ Window Interlocking Tile
 PE Pipeline Others

Following Mechanical, Electrical, C&I items are ready for inspection : Date :
Instrumentation Welding Valves Chain Pully DG Set
Pump Set Stabilizer Panne 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
Required -260 LPM
MS 200dia plain pipe - 72 mtr
MS LCG 200mm pipe - 17.01 mtr

On Date : 06/01/2024 Time : 10:00

Submitted By _____ Date _____ Time _____ Sign [Signature]

TPI (Aarvee)

Recieved By _____ Date 6/01/24 Time _____ Sign [Signature]

Comments :
Total assembly = 89.01 mtr
200mm plain pipe = 72 mtr
LCG pipe = 17.01 mtr

Civil Department E&M , I/C Department
NAME : APPROVED NAME : APPROVED
DESIG : APPROVED AS NOTED DESIG : APPROVED AS NOTED
SIGN: REJECTED SIGN: REJECTED



G.P. : Jamalpur
 Block : Sitapur
 Required : 260 LPM

District : Etah

on Electric

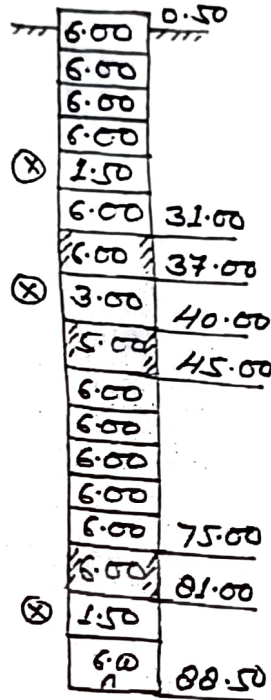
300mm dia Plain Pipe : x
 200mm dia Plain Pipe : 72
 200mm dia Slotted Pipe : 18
90mtr

Streta :-

31-37 → 0.6mtr

40-45 → 0.5mtr

75-81 → 0.6mtr



2022-23

300mm dia Plain Pipe : x
 300X200 mm Reducer : x
 200mm dia Plain Pipe : 72.00 mtr
 200mm dia Slotted Pipe : 17.00 mtr

Total : 89.00 mtr

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JAMALPUR, BLOCK- SHEETALPUR, DISTT- ETAH
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 Kalpataru Power Transmission limited, Etah.

On the request of M/s Kalpataru Power Transmission limited, Etah.a Geophysical well Logging in the above bore hole using IGIS Well Logger on 23.Dec.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 = 15.43 Ohms.

Drilling Water Resistivity = 16.28 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 9	4	Clay kankar	
3.	9 - 12	3	Fine sand	
4.	12 - 18	6	Clay kankar	
5.	18 - 25	7	Sand & kankar	
6.	25 - 31	6	Clay kankar	
7.	31 - 37	6	Medium sand	Medium
8.	37 - 40	3	Clay kankar	
9.	40 - 45*	5	Medium sand	Medium
10.	45 - 75	30	Clay kankar	
11.	75 - 81*	6	Fine to Medium sand	Medium
12.	81 - 90	9	Clay kankar	
13.	90 - 100*	10	Fine to Medium sand	Medium

Ground Water Survey Consultancy

