



**KALPATARU**

**Kaavee associates**  
ARCHITECTS ENGINEERS & CONSULTANTS PVT. LTD.



QUALITY MANAGEMENT  
SYSTEM

Format No :  
KPTL/232221F/00023

DEPTH OF  
STARTA

## PROPOSED ASSEMBLY DETAILS

Block- Sheetalpur

GP- Loya Badshahpur Pitamda

SL.	DPR Details -
	Lowering Date - <u>30/03/2025</u>
1	Water Discharge in LPM - <u>410</u>
2.	Bore well Drilling dia- <u>500 mm.</u>
3.	Bore well Drilling depth- <u>100 mtr</u>

## LOGGING REPORT

Depth-		Date-	
SL.	Depth Range	Thickness	Remarks
1	<u>17-22</u>	<u>5</u>	<u>Fine Medium</u>
2			
3	<u>46-52</u>	<u>6</u>	<u>Medium Sand.</u>
4			
5	<u>60-65</u>	<u>5</u>	<u>Fine Medium</u>
6			<u>Sand</u>
7			
8	<u>67-80</u>	<u>13.</u>	<u>Medium Sand.</u>
9			
10	<u>87-97.</u>	<u>10.</u>	<u>Medium Sand.</u>
11			

## Assembly Details

## Proposed Assembly for Lowering

1. 300mm dia MS Plain Pipe-	
2. 200mm dia MS Plain Pipe	<u>67.99 mtr.</u>
3. 200mm dia MS Slotted Pipe-	<u>18.03 mtr.</u>
4. 200mm dia LCG Pipe -	
5. 300/200 mm dia Reducer -	
6. MS Bail Plug-	<u>1 Nos.</u>
7. MS Ring 300mm-	
8. MS Ring 200mm-	<u>14 Nos.</u>
9. MSSI Clamp-	<u>1 Nos.</u>
10. Centre Guide -	<u>2 Nos.</u>
11. TW Assembly Support-	<u>1 Nos.</u>
12. MS Well Cap -	<u>1 Nos.</u>
13. Pea Gravel Packing-	

G.L.

	(15)	<u>0.5</u>	
<u>552</u>	(14)	<u>5.52</u>	
<u>11.54</u>	(13)	<u>6.02</u>	
<u>17.55</u>	(12)	<u>6.01</u>	
<u>23.58</u>	(11)	<u>6.03</u>	
<u>29.6</u>	(10)	<u>6.02</u>	
<u>35.61</u>	(9)	<u>6.01</u>	
<u>41.64</u>	(8)	<u>6.03</u>	
<u>46.0</u>	(7)	<u>4.36</u>	
<u>52.01</u>	(6)	<u>6.01</u>	
<u>58.03</u>	(5)	<u>6.02</u>	
<u>64.06</u>	(4)	<u>6.03</u>	(C.G.)
<u>67.5</u>	(3)	<u>3.44</u>	
<u>73.51</u>	(2)	<u>6.01</u>	
<u>79.52</u>	(1)	<u>6.01</u>	
<u>85.52</u>		<u>6.0</u>	(C.G.)

KPTL

TPI

CLIENT (UPJN)



**KALPA-TARU®**



**aarvee associates**  
PROJECTS, PLANNING & CONSULTANCY 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 : 24/03/2025

Contractor Name: Kalpataru Projects International Limited

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

#### Location of Work

District: Etah Block: Sitapur Scheme: Gya Badachpur

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 ☐  
HDPE Pipeline ☐ Others ☐

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

Date :

Instrumentation ☐ Welding ☐ Valves ☐ Chain Pulley ☐ 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 - Drilling work  
Dia - 500 mm  
Depth - 100 mtr  
LPM - 410

On Date : 24/03/2025

Time : 11:00

Submitted By

Lokesh

Date

Time

Sign

TPI (Aarvee)

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

**KALPA-TARU®****aarvee associates**  
PROJECTS 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 : 25/03/25

Contractor Name: Kalpataru Projects International Limited

LOA No- 3563/W-25 (Aligarh)/2021-22 dated  
07.01.2022**Location of Work**

District: Btph. Block : Sheetalpur Scheme : Laya Sadakpur - Pkari

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 ☐  
 HDPE Pipeline ☐ Others ☐

Following Mechanical, Electrical, C&amp;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 :**

RFI, Tube well - logging work  
 Laya dph -

On Date : 25/03/25

Time : 11:00

Submitted By Gyansh Pathak

Date

Time

Sign

TPI (Aarvee)

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

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-586

Date:- 24-03-2025

### NAME OF SITE

GRAM PANCHAYAT- Loha Badshapur Pitam Singh      BLOCK- Sheetalpur  
DISTT- Etah

### NAME OF AGENCY

M/s Kalpataru Project International Pvt. Ltd.  
Etah



## GROUND WATER SURVEY CONSULTANCY

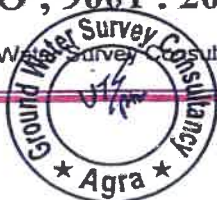
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- LOHA BADSHAPUR PITAM SINGH, 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 Project International Pvt. Ltd, Etah.

On the request of M/s Kalpataru Project International Pvt. Ltd, Etah. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 24.Mar.2025.

Logging Para meters - Self potential, short normal (N16), 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 = 15.23 Ohms.

Drilling Water Resistivity = 16.40 Ohms.

Approx Water Level = 11 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 7	2	Fine sand	
3.	7 - 17	10	Clay kankar	
4.	17 - 22	5	Fine to medium sand	Medium
5.	22 - 46	24	Clay kankar	
6.	46 - 52*	6	Medium sand	Medium
7.	52 - 60	8	Clay kankar	
8.	60 - 65*	5	Fine to medium sand	Medium
9.	65 - 67	2	Clay kankar	
10.	67 - 80*	13	Medium sand	Medium
11.	80 - 87	7	Clay kankar	
12.	87 - 97*	10	Medium sand	Medium
13.	97 - 100	3	Clay kankar	

Ground Water Survey Consultancy



**Conclusions and Recommendations :-**

1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (\*) appear to be aquifer zones for possible Development of tube well.
3. The Quality of water is expected Medium .
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.



**Ground Water Survey Consultancy**



**KALPA-TARU®****aarvee associates**  
project management & consulting services**PROJECT - STATE WATER AND SANITATION MISSION PROJECT ETAH****REQUEST FOR INSPECTION (RFI)****Format No :** KPIL/232221F/00001**RFI no:** JJM/ETAH/KPIL/**Date :** 30/03/25**Contractor Name:** Kalpataru Projects International LimitedLOA No- 3563/W-25 (Aligarh)/2021-22 dated  
07.01.2022**Location of Work****District:** Etah**Block :** Sheetalpur**Scheme :** Long Gadgaon Bhabha

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 ☐  
 HDPE Pipeline ☐ Others ☐

Following Mechanical, Electrical, C&amp;I items are ready for inspection :

**Date :**

Instrumentation ☐ Welding ☐ Valves ☐ Chain Pulley ☐ DG Set ☐  
 Pump Set ☐ Stabilizer ☐ Panel ☐ Sloar ☐ Chlorinating Plant ☐  
 Lighting ☐ EMF Meter ☐ Level / Pressure Transmitter ☐ RTU ☐  
 Earthing cable ☐ Starter ☐ Piping- DI ( ) HDPE ( ) MS ( ) MDPE ( ) ☐ Others ☐

**Work Description :**

RFI Tubewell for Longy.  
 MS Pipe - 200mm dia  
 Long depth - 86 mtr  
 L.P.M - 710.

**On Date :** 30/03/25**Time :** 11:00 AM**Submitted By** Gyanshankar**Date****Time****Sign****TPI (Aarvee)****Received 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

G.P. - Loya Badshah Pur Peetam Singh

25/03/2025

Electric Based  
7.5kW

Discharge: 4/10  
LPM

W.L = 11mt

Block - Sheeta Pur

Tahsil - Etah Sadar

Dist - Etah

### As/B.O.Q. Pipe

200mm P/P — 72mt

200mm S/B — 18mt  
90mt

### As/Logging Report

17-22 - 5 fine to medium sand  
46-52 - 6 medium sand ✓  
60-65 - 5 fine to medium sand  
67-80 - 13 medium sand ✓  
87-97 - 10 medium sand.

200x200 mm if	0.50
	46
	6
	52
	6
	6
	3.50
	67.50
	6
	6
	79.50
n	6
	85.50

### As/site

T = 86mt

200 P/P = 68mt

200 S/B = 18mt

86mt  
T =

## 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:

U1485429528320909

## User Information

Name: Kalpataru power transmission limited

Mobile: 6398162959

Email: vikas.om@kalpatarugroup.com

Pin Code: 207248

Full Address: Village- Arjunai Simrai , Gram Panchayat- Arjunai Simrai, Block- Aliganj, District- Etah, State- Uttar Pradesh

## Sample description

Source of Sample: Loya Badshah Preetam Singh

Village: Loya Badshahpur Peetam Singh

Gram Panchayat: Loya Badshah Pur Peetam Singh

Block: Shitalpur

District: Etah

State: Uttar Pradesh

Address:

Remarks:

Latitude:

Longitude:

Date &amp; time of sample collection

11.04.2025 | 12:35:00 PM

Date &amp; time of sample received in lab

15.04.2025 | 09:45:00 AM

Date &amp; time of sample analysed

16.04.2025 | 09:57:00 AM

Date &amp; time of report generation

21.04.2025 | 09:58:01 AM

## Test results

S. 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	Method of Analysis	Remarks
1	Calcium (as Ca)*	mg/l	75	200	24.040	EDTA Titrimetric method	
2	Chloride (as Cl)*	mg/l	250	1000	9.700	Argentometric method	
3	Colour*	Hazen units	5	15	1.000	Visual comparison method	

S. 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	Method of Analysis	Remarks
4	E. coli	CFU/100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	MFT	
5	Fluoride (as F)*	mg/l	1	1.5	0.110	Ion selective electrode method	
6	Iron (As Fe)*	mg/l	1	No Relaxation	0.010	Phenanthroline method or as per IS 15303:2002 Electrothermal atomic absorption/Spectrophotometer method	
7	Magnesium (As Mg)*	mg/l	30	100	27.200	Calculation by APHA	
8	Nitrate (as NO3)*	mg/l	45	No Relaxation	1.700	UV-Visible Spectrophotometer	
9	pH*	NA	6.5-8.5	No Relaxation	7.480	Electrometric method	
10	Sulphate (as SO4)*	mg/l	200	400	0.790	Turbidimetric method	
11	TDS*	mg/l	500	2000	227.000	Gravimetric method	
12	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	212.000	Titration method	
13	Total Arsenic (As As)	mg/l	0.01	No Relaxation	0.000	Silver diethyldithiocarbamate (SDDC) method using UV-Visible Spectrophotometer	
14	Total coliform	CFU/ 100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	MFT	
15	Total Hardness (As CaCO3)*	mg/l	200	600	172.000	EDTA Titrimetric method	
16	Turbidity*	NTU	1	5	0.780	Nephelometric method	

**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

**Data prepared by**

Chemist: (Yashwant Singh)

Microbiologist: (Yashwant Singh)

**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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