



KALPATARU



aarvee associates
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 : 05/05/2024

Contractor Name: Kalpataru Projects International Limited

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

District:	Block : Sakit	Location of Work	Scheme : Mubarakpur Chhathana
Following civil items are ready for inspection :		Date :	RC
SBC <input type="checkbox"/>	Tube Well <input checked="" type="checkbox"/>	Excavation <input type="checkbox"/>	Stand Post <input type="checkbox"/>
Shuttering <input type="checkbox"/>	Brick Work <input type="checkbox"/>	Plaster Work <input type="checkbox"/>	Interlocking Tile <input type="checkbox"/>
Rising Main <input type="checkbox"/>	Backfilling <input type="checkbox"/>	M.S. Wicket Gate/ Window <input type="checkbox"/>	
HDPE Pipeline <input type="checkbox"/>	Others <input type="checkbox"/>		

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"/>
Pump Set <input type="checkbox"/>	Stabilizer <input type="checkbox"/>	Pannel <input type="checkbox"/>	Sloar <input type="checkbox"/>
Lighting <input type="checkbox"/>	EMF Meter <input type="checkbox"/>	Level / Pressure Transmitter <input type="checkbox"/>	DG Set <input type="checkbox"/>
Earthing cable <input type="checkbox"/>	Starter <input type="checkbox"/>	Piping- DI () HDPE () MS () MDPE () <input type="checkbox"/>	Chlorinating Plant <input type="checkbox"/>
Work Description :			RTU <input type="checkbox"/>
			Others <input type="checkbox"/>

Assembly lowering
 * Assembly size = 200 mm - 96.0m
 * Per gravel packing
 * Lpm - 550 Lpm

On Date : 06/05/2024	Time : 10:00 Am
Submitted By Prudhman	Date 05/05/2024 Time 5:00 Pm Sign [Signature]
TPI (Aarvee)	
Recieved By	Date 6/5/24 Time Sign [Signature]

Comments :
 Total Assembly = 96.0m
 200mm P.L pipe = 71.970
 200mm S.P pipe = 24.030

Civil Department	E&M, I/C Department
NAME :	NAME :
DESIG :	DESIG :
SN :	SIGN :
<input type="checkbox"/> APPROVED	<input type="checkbox"/> APPROVED
<input type="checkbox"/> APPROVED AS NOTED	<input type="checkbox"/> APPROVED AS NOTED
<input type="checkbox"/> REJECTED	<input type="checkbox"/> REJECTED



KALPA-TARU



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PROJECT - STATE WATER AND SANITATION MISSION PROJECT ETAH

REQUEST FOR INSPECTION (RFI)

Format No : KPIL/232221F/00001

RFI no: JJM/ETAH/KPIL/

Date : 1/05/2024

Contractor Name: Kalpataru Projects International Limited

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

Location of Work

District: Etah Block: SaKiL Scheme: Mubasik Pui Chhacheng

Following civil items are ready for inspection :

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

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

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 :

Drilling work -
 (i) Depth of Bore - 110m
 (ii) size of Bore - 500mm φ
 (iii) Types of m/c
 (iv) Electric logging
 (v) Discharge as per DPR - 550

On Date : 02/05/2024

Time : 8:00 Am

Submitted By Pradyuman

Date 01/05/2024

Time 5:00 Pm

Sign Prady

TPI (Aarvee)

Recieved By

Date 2/5/24

Time

Sign TPIIT

Comments :

Drilling Depth = 110m
logging depth = 107m

Civil Department

NAME :

APPROVED

NAME :

APPROVED

DESIG :

APPROVED AS NOTED

DESIG :

APPROVED AS NOTED

SN:

REJECTED

SIGN:

REJECTED



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QUALITY MANAGEMENT SYSTEM

Format No :
KPTL/232221F/00023

DEPTH OF
STARTA

PROPOSED ASSEMBLY DETAILS

Block- Sakit

GP- Chhachhena and mubani/ghuz
Chhachhena

SL. DPR Details -

Lowering Date - 06/05/2024

1. Water Discharge in LPM - 550

2. Bore well Drilling dia- 500mm

3. Bore well Drilling depth- 110m

LOGGING REPORT

Depth- 167

Date- 02/05/2024

SL.	Depth Range	Thickness	Remarks
1	42-50	8m	
2	59-74	15m	
3	76-93	17m	
4			
5			
6			
7			
8			
9			
10			
11			

1. 42-50

8m

2. 59-74

15m

3. 76-93

17m

4.

5.

6.

7.

8.

9.

10.

11.

Assembly Details

Total Assembly - 71.97 + 24.030
- 96.00 m

Proposed Assembly for Lowering

1. 300mm dia MS Plain Pipe-

2. 200mm dia MS Plain Pipe 71.97 m

3. 200mm dia MS Slotted Pipe- 24.030 m

4. 200mm dia LCG Pipe - 01

5. 300/200 mm dia Reducer -

6. MS Bail Plug- 01

7. MS Ring 300mm-

8. MS Ring 200mm- 15

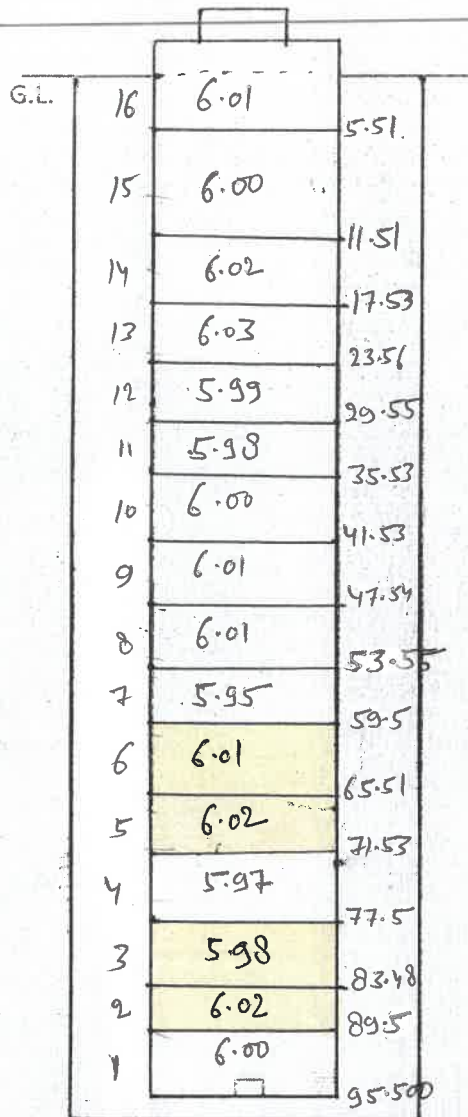
9. MSSi Clamp- 01

10. Centre Guide - 03

11. TW Assembly Support- 01

12. MS Well Cap - 01

13. Pea Gravel Packing- 18 cum



Paat
KPTL

Prith
TPI

CLIENT (UPJN)

Lowering work
executed as per
assembly chart.

No. Zone Testing

G.P. : Chachhen and Mubainkpur Chachhana.

Block : Sakit

District : Etah

Required : 550 LPM

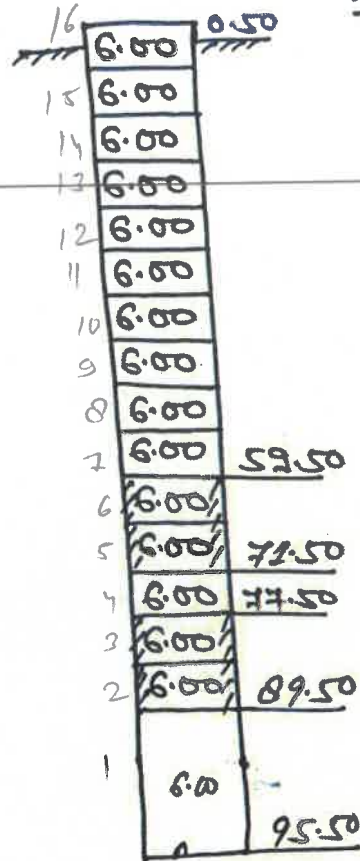
300mm dia Plain Pipe : X
200mm dia Plain Pipe : 40
200mm dia Slotted Pipe : 24
100 mtr

on Electric

Static head \rightarrow 20 feet

Streta :-

42-50 \rightarrow 08 mtr
59-74 \rightarrow 15 mtr
76-93 \rightarrow 17 mtr



300mm dia Plain Pipe : X
300X200 mm Reducer : X
200mm dia Plain Pipe : 72.00 mtr
200mm dia Slotted Pipe : 24.00 mtr

Total : 96.00 mtr

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MUBARAKPUR, BLOCK- SAKIT, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 107 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 02.May.2024.

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 = 16.09 Ohms.

Drilling Water Resistivity = 17.22 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 - 10	5	Fine sand	
3.	10 - 13	3	Clay kankar	
4.	13 - 20	7	Fine to Medium sand	
5.	20 - 35	15	Clay kankar	Medium
6.	35 - 38	3	Fine sand	
7.	38 - 42	4	Clay kankar	Medium
8.	42 - 50*	8	Medium sand	
9.	50 - 59	9	Clay kankar	Medium
10.	59 - 74*	15	Medium Sand	
11.	74 - 76	2	Kankar	Medium
12.	76 - 93*	17	Medium sand	
13.	93 - 107	14	Clay kankar	Medium





Jal Jeevan Mission

Har Ghar Jal

Har Ghar Jal
Jal Jeevan Mission

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:

U1485429S20091593

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:	Mubarikpur Chhachhana	Village:	Mubarikpur Chhachhana
Gram Panchayat:	Mubarikpur Chhachhana	Block:	Sakit
District:	Etah	State:	Uttar Pradesh
Address:		Remarks:	
Latitude:		Longitude:	

Date & time of sample collection

15.05.2024 | 06:02:00 PM

Date & time of sample received in lab

16.05.2024 | 05:36:00 PM

Date & time of sample analysed

17.05.2024 | 05:55:00 PM

Date & time of report generation

20.05.2024 | 05:58:16 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	35.300	
2	Chloride (as Cl)*	mg/l	250	1000	54.700	
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	0.370	
6	Iron (As Fe)*	mg/l	1	No Relaxation	0.040	
7	Magnesium (As Mg)*	mg/l	30	100	42.700	
8	Nitrate (as NO ₃)*	mg/l	45	No Relaxation	5.100	
9	pH*	NA	6.5-8.5	No Relaxation	7.910	
10	Sulphate (as SO ₄)*	mg/l	200	400	23.600	
11	TDS*	mg/l	500	2000	408.000	
12	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	196.000	
13	Total Arsenic (As As)	mg/l	0.01	No Relaxation	0.001	
14	Total coliform	CFU/ 100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	
15	Total Hardness (As CaCO ₃)*	mg/l	200	600	264.000	
16	Turbidity*	NTU	1	5	0.980	

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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