



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)

Print

Test report

Sample ID:

U1716871S18149542

User Information

Name:

Kalpataru Projects International Limited

Mobile:

9098864227

Email:

ssinfra@gmail.com

Pin Code:

Full Address:

Village- Pehara Majra Kabir Pur , Gram Panchayat- Pehara Majra Kabir Pur, Block- Shitalpur, District- Etah, State- Uttar Pradesh

Sample description

Source of Sample:

Kindhar

Village:

WAJIDPUR BARAULI

Gram Panchayat:

WAJIDPUR BARAULI

Block:

Shitalpur

District:

Etah

State:

Uttar Pradesh

Address:

Remarks:

Latitude:

Longitude:

Date & time of sample collection

02.02.2024 | 11:48:00 AM

Date & time of sample received in lab

03.02.2024 | 10:10:00 AM

Date & time of sample analysed

12.02.2024 | 11:15:00 PM

Date & time of report generation

01.04.2024 | 12:01:20 AM

Test results

Requirement

Permissible limit (in absence of

Test

Sr. No.	Parameters tested	Unit of measurement	(acceptable limit) as per BIS 10500	alternate source) as per BIS 10500	result value	Remarks
1	Calcium (as Ca)*	mg/l	75	200	57.700	
2	Chloride (as Cl)*	mg/l	250	1000	24.000	
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	0.180	
6	Iron (As Fe)*	mg/l	1	No Relaxation	0.020	
7	Magnesium (As Mg)*	mg/l	30	100	23.300	
8	Nitrate (as NO3)*	mg/l	45	No Relaxation	9.300	
9	pH*	NA	6.5-8.5	No Relaxation	7.440	
10	Sulphate (as SO4)*	mg/l	200	400	10.700	
11	TDS*	mg/l	500	2000	486.000	
12	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	312.000	
13	Total Arsenic (As As)	mg/l	0.01	No Relaxation	0.000	
14	Total coliform	CFU/ 100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	
15	Total Hardness (As CaCO3)*	mg/l	200	600	240.000	
16	Turbidity*	NTU	1	5	1.260	

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.

Designed & Developed by NIC. Copyright ©copy NJJM 2024

[Print](#)



KALPA-TARU



aarvee associates
architects engineers & consultants pvt. ltd



SWSM
Uttar Pradesh

PROJECT - STATE WATER AND SANITATION MISSION PROJECT ETAH

REQUEST FOR INSPECTION (RFI)

Format No : KPIL/232221F/00001

RFI no: JJM/ETAH/KPIL/

Date : 08/11/2023

Contractor Name: Kalpataru Projects International Limited

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

Location of Work

District:

Etah

Block :

Sheetalpur

Scheme :

GP- Rajidpur

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"/>	RCC	<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"/>		
HDPE 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"/>	Pannel	<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="text"/>		

Work Description :

Tube well work - (Assembly lowering)

* Assembly size = 20mm = 97.520
 * Peagravel packing =
 * Lpm = 400

On Date : 08/11/2023

Time : 7:00pm

Submitted By

Puduman

Date

08/11/2023

Time

10:00am

Sign

Prady

TPI (Aarvee)

Recieved By

Date

9/11/23

Time

Sign

Pradi

Comments :

Total assembly = 97.520m
 Klein pipe = 77.50m
 Slotted pipe = 20.020m

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
architects engineers & consultants pvt. ltd.



SWSM
Uttar Pradesh

PROJECT - STATE WATER AND SANITATION MISSION PROJECT ETAH

REQUEST FOR INSPECTION (RFI)

Format No : KPIL/232221F/00001

RFI no: JJM/ETAH/KPIL/

Date : 03/11/2023

Contractor Name: Kalpataru Projects International Limited

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

Location of Work

District: Etah

Block : Sheetalpur

Scheme : G.P. Baidpur

Following civil items are ready for inspection :

Date :

SBC	<input type="checkbox"/>	Tube Well	<input type="checkbox"/>	Excavation	<input checked="" type="checkbox"/>	PCC	<input type="checkbox"/>	RCC	<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"/>		
HDPE 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"/>	Pannel	<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="text"/>		

Work Description :

Drilling work
 * Depth of Bore = 110m
 * Size of Bore = 500mm dia
 * Type of mc = Rig mc
 * Start at logging =

Discharge as per DPM-450

On Date : 4/11/2023

Time : 10:00 AM

Submitted By : Baidman

Date : 03/11/2023

Time : 8:00 PM

Sign : [Signature]

TPI (Aarvee)

Received By

Date : 4/11/23

Time

Sign : [Signature]

Comments :

drilling depth = 110m
 logging " = 110m

Civil Department

E&M, I/C Department

NAME :

APPROVED

NAME :

APPROVED

DESIG :

APPROVED AS NOTED

DESIG :

APPROVED AS NOTED

SIGN:

REJECTED

SIGN:

REJECTED



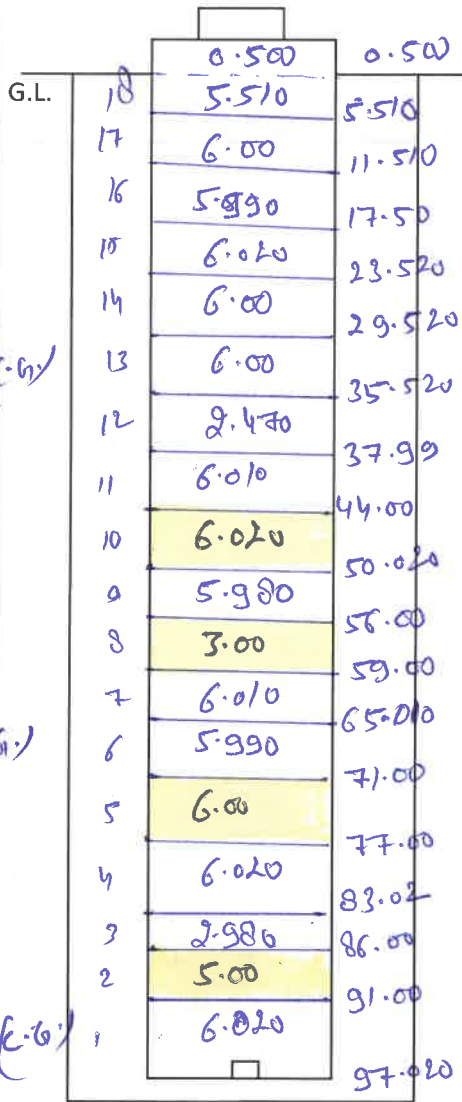
aarvee associates
architects engineers & consultants pvt. ltd.



QUALITY MANAGEMENT SYSTEM

Format No :
KPTL/232221F/00023

DEPTH OF STARTA	PROPOSED ASSEMBLY DETAILS	SL.	DPR Details -		
	Block- <u>Sheetalpur</u>		Lowering Date - <u>09/11/2023</u>		
	GP- <u>Baidipur</u>	1	Water Discharge in LPM - <u>400 LPM</u>		
		2.	Bore well Drilling dia- <u>500mm</u>		
		3.	Bore well Drilling depth- <u>110m</u>		
			LOGGING REPORT		
			Depth- <u>110m</u>	Date- <u>04/11/2023</u>	
		SL.	Depth Range	Thickness	Remarks
		1	<u>55-60</u>	<u>05</u>	<u>medium</u>
		2	<u>44-50</u>	<u>06</u>	<u>"</u>
		3	<u>71-77</u>	<u>06</u>	<u>"</u>
		4	<u>86-91</u>	<u>05</u>	<u>"</u>
		5			
		6			
		7			
		8			
		9			
		10			
		11			
			Assembly Details		
			Total Assembly = $77.5 + 20.02 = 97.520m$		
			Proposed Assembly for Lowering		
			1. 300mm dia MS Plain Pipe-		
			2. 200mm dia MS Plain Pipe <u>77.5 m</u>		
			3. 200mm dia MS Slotted Pipe- <u>20.02 m</u>		
			4. 200mm dia LCG Pipe -		
			5. 300/200 mm dia Reducer -		
			6. MS Bail Plug- <u>01</u>		
			7. MS Ring 300mm- <u>01</u>		
			8. MS Ring 200mm- <u>17</u>		
			9. MSSl Clamp- <u>01</u>		
			10. Centre Guide - <u>03</u>		
			11. TW Assembly Support- <u>01</u>		
			12. MS Well Cap - <u>01</u>		
			13. Pea Gravel Packing- <u>18.55 cu</u>		



KPTL
Prady

TPI

CLIENT (UPJN)

Lowering work executed as per
10 Assembly chart

G.P. : Bajirpur

Block : Shitalpur

Required : 400 LPM

District : Etah

300mm dia Plain Pipe : X
200mm dia Plain Pipe : 46
200mm dia Slotted Pipe : 24
100 mtr

Streta :-

55-60 → 05 mtr

44-50 → 06 mtr

71-77 → 06 mtr

86-91 → 05 mtr

18	6.00	0.50
17	6.00	
16	6.00	
15	6.00	
14	6.00	
13	6.00	
12	2.50	
11	6.00	44.00
10	6.00	50.00
9	6.00	56.00
8	3.00	59.00
7	6.00	
6	6.00	71.00
5	6.00	77.00
4	6.00	
3	3.00	86.00
2	5.00	91.00
1	6.00	97.00

300mm dia Plain Pipe : X
300X200 mm Reducer : X
200mm dia Plain Pipe : 77.50 mtr
200mm dia Slotted Pipe : 20.50 mtr

Total : 97.50 mtr

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BAJIDPUR, BLOCK- SHITALPUR, DISTT- ETAH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 04.Nov.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 = 14.17 Ohms.

Drilling Water Resistivity = 15.40 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 - 8	3	Fine sand	
3.	8 - 15	7	Clay kankar	
4.	15 - 27	12	Medium sand	Medium
5.	27 - 34	8	Clay kankar	
6.	34 - 36	2	Fine to medium sand	Medium
7.	36 - 44	8	Clay kankar	
8.	44 - 50*	6	Fine to Medium sand	Medium
9.	50 - 55	5	Clay kankar	
10.	55 - 60	5	Fine sand	Medium
11.	60 - 71	11	Clay kankar	
12.	71 - 77*	6	Fine to medium sand	Medium
13.	77 - 86	9	Clay kankar	
13.	86 - 91*	5	Fine to medium sand	Medium
14.	91 - 110	19	Clay kankar	

Note :- Please ensure pre-monsoon water level before lower the well assembly.

Ground Water Survey Consultancy

