



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: U1621760515283207

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: Karuamai
Gram Panchayat: Karuamai Block: Nidhauri Kalan
District: Etah State: Uttar Pradesh
Address: Remarks:
Latitude: Longitude:

Date & time of sample collection

15.09.2023 | 11:48:00 AM

Date & time of sample received in lab

16.09.2023 | 12:01:00 PM

Date & time of sample analysed

20.09.2023 | 12:57:00 PM

Date & time of report generation

27.09.2023 | 12:49:56 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	48.100	
2	Chloride (as Cl)*	mg/l	250	1000	84.000	

Sr. No.	Parameter 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
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	0.310	
6	Free residual Chlorine	mg/l	0.2	1	0.000	
7	Iron (As Fe)*	mg/l	1	No Relaxation	0.030	
8	Magnesium (As Mg)*	mg/l	30	100	35.000	
9	Nitrate (as NO ₃)*	mg/l	45	No Relaxation	11.900	
10	Odour*	NA	Agreeable	Agreeable	0.000	
11	pH*	NA	6.5-8.5	No Relaxation	7.650	
12	Sulphate (as SO ₄)*	mg/l	200	400	37.200	
13	TDS*	mg/l	500	2000	498.000	
14	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	308.000	
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 CaCO ₃)*	mg/l	200	600	264.000	
18	Turbidity*	NTU	1	5	1.620	

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.

Designed & Developed by NIC. Copyright ©copy NJJM 2023

Print

FOR-S.L. CONT. & SUPPLIERS

PROP.



KALPA-TARU



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 : 18/08/2023

Contractor Name: Kalpataru Projects International Limited

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

Location of Work

District: Etah Block : Nidhauli Karain Scheme : Karuamaj

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 Pully DG Set
 Pump Set Stabilizer Panne Sloar Chlorinating Plant
 Rating EMF Meter Level / Pressure Transmitter RTU
 Earthing cable Starter Piping- DI () HDPE () MS () MDPE () Others

Work Description :

Lowering of Tubewell
Location - Karuamaj
water discharge. LPM - 470
Lowering depth = 96.5 mtr

On Date : 18/08/2023

Time : 11:00 AM

Submitted By Md. Adil Khan

Date 18/08/2023

Time 8:30 PM

Sign

Adil Khan

TPI (Aarvee)

Recieved By

Date

Time

Sign

Adil

Comments :

Total assembly = 96.50 mtr
200 mm plain pipe = 72.50 mtr
Hotted pipe = 24 mtr

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.



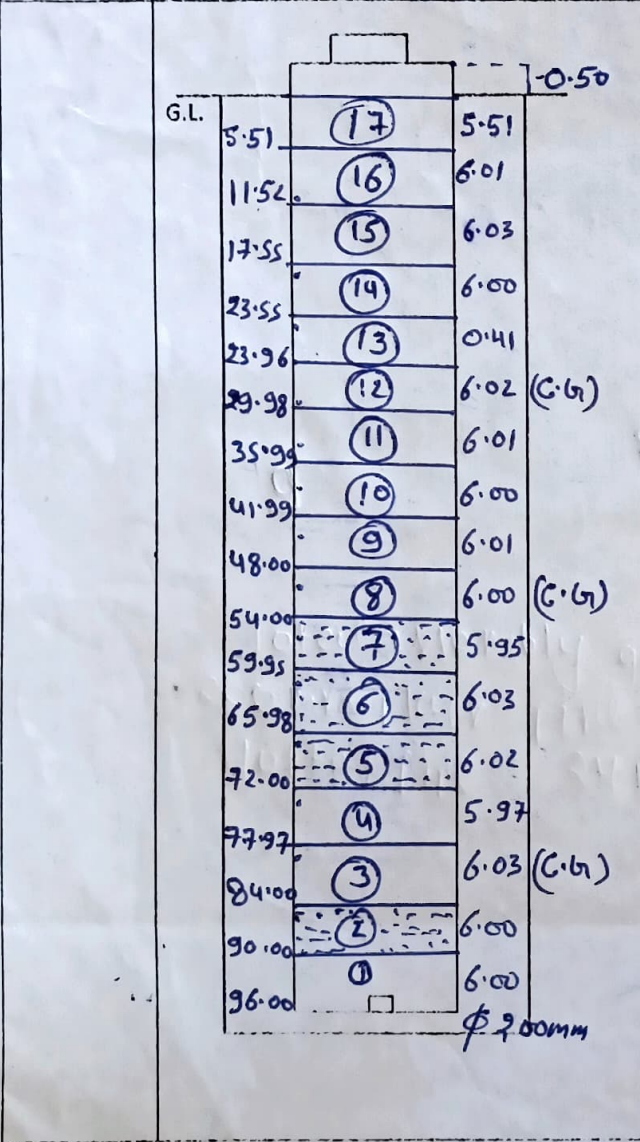
QUALITY MANAGEMENT SYSTEM

Format No :
KPTL/232221F/00023

DEPTH OF STARTA

PROPOSED ASSEMBLY DETAILS
Block- Nidhanuli Keolan
GP- Kazumaj

SL.	DPR Details -
	Lowering Date - <u>19/07/2023</u>
1	Water Discharge in LPM - <u>470</u>
2	Bore well Drilling dia- <u>500</u>
3	Bore well Drilling depth- <u>1100</u>



LOGGING REPORT

Depth-	Date-		
SL.	Depth Range	Thickness	Remarks
1	54-72	18 mtr	
2	83-92	09 mtr	
3			
4			
5			
6			
7			
8			
9			
10			
11			

Assembly Details

- Proposed Assembly for Lowering**
- 300mm dia MS Plain Pipe-
 - 200mm dia MS Plain Pipe 72.50 mtr
 - 200mm dia MS Slotted Pipe- 24.00 mtr
 - 200mm dia LCG Pipe -
 - 300/200 mm dia Reducer -
 - MS Bail Plug- 1
 - MS Ring 300mm-
 - MS Ring 200mm- 16
 - MSI Clamp- 1
 - Centre Guide - 3
 - TW Assembly Support- 1
 - MS Well Cap - 1
 - Pea Gravel Packing- 19.16

Abul Khan
KPTL

TPI

CLIENT (UPJN)

Lowering work executed as per assembly chart.

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KARUAMAI, BLOCK- MARHERA, 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 16.July.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 = 15.72 Ohms.

Drilling Water Resistivity = 16.58 Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry sand	
3.	15 - 29	14	Clay kankar	
4.	29 - 35	6	Medium sand	Medium
5.	35 - 45	10	Clay kankar	
6.	45 - 47	2	Fine sand	Medium
7.	47 - 54	8	Clay kankar	
8.	54 - 72*	18	Medium sand	Medium
9.	72 - 83	11	Clay kankar	
10.	83 - 92*	9	Medium sand	Medium
11.	92 - 110	18	Clay kankar	



G.P. : Karuamai,

Block : Aligay

District : Etah

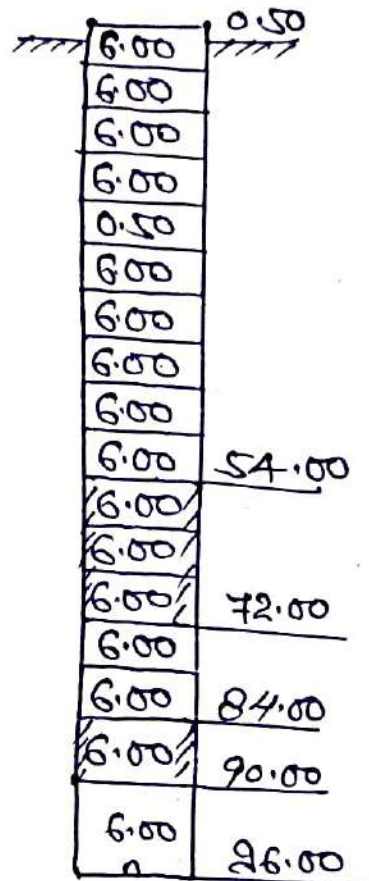
Required : 470 LPM

300mm dia Plain Pipe : X
200mm dia Plain Pipe : 76
200mm dia Slotted Pipe : 24
100 mtr

Streta :-

54-72 → 18 mtr

83-92 → 09 mtr



300mm dia Plain Pipe : X
300X200 mm Reducer : X
200mm dia Plain Pipe : 72.50 mtr
200mm dia Slotted Pipe : 24.00 mtr
Total : 96.50 mtr