



Institute Name: L J Polytechnic

1. Title of the Activity: Kotarpur Water Treatment Plant

2. Name of the Faculty/Coordinator: Akash Agrawal, Shikha Shah

3. Department / Program Name: Civil Engineering

4. Date & Duration of the Activity: Date : 07/08/2025 From: 9:30 To: 4:00

5. Objectives of the Activity:

- To gain practical knowledge of the water treatment processes.
- To learn about the water tests in laboratory.
- The knowledge of water distribution network for any town or city.
- To learn the use of scada (Supervisory Control and Data Acquisition) software to operate any treatment plant automatically.

6. Description of the Activity:

The visit of Kotarpur water treatment plant was conducted for the students to increase their practical knowledge of the treatment processes used to make clear drinkable water with desirable quality standards. There were three plants of 650 mld, 300 mld and 200 mld among them we had visited the 300 mld water treatment plant. All the process step by step from raw water of river to clear water in our water taps was explained by site engineer so that students have clear idea of all the treatment in detail. Also the basic knowledge of scada software to operate any water treatment plant automatically. The treated water is then distributed to entire city by Dudheshwar water works.

7. External Participation:

a) Invited Speaker/Dignitary/Resource Person:

Name: Mahendrabhai

Designation: Engineer

Affiliation: Ahmedabad Municipal Corporation

b) Number of External Participants: 2

8. Internal Participation:

- a) Number of Faculties involved: 2
- b) Number of Non-Teaching Employees involved: 0
- c) Number of Students involved: 68
- d) Mode of Participation: Offline

9. Learning Outcome Achieved:

Students have gained knowledge of the subject water supply and sanitary engineering. The basic treatments involved are plain sedimentation, sedimentation with coagulation, filtration and disinfection of water. In 300 MLD plant there were six sedimentation tank, 26 filters and clear water storage tank. This process of treatment gives total 1150 MLD supply of water every day to entire city.

10. Photographs / Screenshots:



11. Feedback from Students (if any):

Kothari Saiyam (Sem5): The visit was very informative, we get knowledge regarding the process of treatment of water which we have studied in the class.

12. Attendance Sheet:

L.J Polytechnic, Ahmedabad (CL-5A)
Kotarpur Water Treatment Plant Visit

Attendance Record

Date: 07-08-25

S#.	Enrol. #.	Student Name	Sign.
1	23012250510001	AFAQUR RAHMAN	AB
2	23012250510006	BHARVAD YASH PUNAMBHAI	Yash
3	23012250510008	CHAUDHARY HARESHKUMAR RAMESHKUMAR	HD
4	23012250510010	CHAUHAN RAJVARDHANSINGH LAXMANSINGH	RAJIV
5	23012250510011	CHAVDA SAHIL GANPATBHAI	Sahil
6	23012250510012	CHIRAYU ASHOK CHAUDHARY	Chiray
7	23012250510014	DAVE MANUSH BHARGAVBHAI	Manush
8	23012250510016	DESAI VISHVASH DHARMENDRA	Vishvas
9	23012250510018	FARZAN VIMADALAL	Farzan
10	23012250510019	GADHIYA DEEP SURESHBHAI	Deep
11	23012250510020	GAUTAM SUNIL NANKURAM	Sunil
12	23012250510022	GOSWAMI YAJAT SANJAYGIRI	AB
13	23012250510023	HARSHIL PINTUBHAI PATEL	AB
14	23012250510024	JADAV DHAIRYA HARSHADKUMAR	JD
15	23012250510025	JAGJIT SINGH	AB
16	23012250510026	JAINAM KARTIKBHAI SHAH	Kartik
17	23012250510028	KAPISH S PATEL	Kapish
18	23012250510030	KAVAR DHRUV MAHESHKUMAR	Dhruv
19	23012250510033	KO. PATEL AJAYBHAI NANJIBHAI	Ajay
20	23012250510035	KOTHARI SAIYAM MILAPBHAI	Saiyam
21	23012250510036	LALAVAT SANKET SHYAM	Sanket
22	23012250510037	LUHAR RUDRA CHHAGANBHAI	Rudra
23	23012250510038	MAKWANA PARTH RAVIKUMAR	PARTH
24	23012250510042	MALI BOBI RAMNIVAS	Bobi
25	23012250510043	MEHTA NIRMIT MILIND	Nirmit
26	23012250510044	MEMON TAHA MOHAMMADIBRAHIM	Taha
27	23012250510045	METALIYA AAYUSH GOPALBHAI	Ayush
28	23012250510047	MIRZA MUBIN AJAZBAIG	Mubin
29	23012250510051	ODD ADITYA BIPINBHAI	Aditya
30	23012250510052	PACHCHIGAR HARSHWARDHAN WALMIKI	Harsh
31	23012250510053	PANCHAL PANTH SHAILESHBHAI	Panth
32	23012250510054	PANCHOLI OM PRADIPKUMAR	Om
33	23012250510055	PARMAR AKSHAT DILIPBHAI	Akshat
34	23012250510057	PARMAR RUDRA ELESIBHAI	Rudra
35	23012250510058	PARMAR TIRTH VITESHCHANDRA	Tirth
36	23012250510060	PATEL MO UVESH HANIFBHAI	UVesh
37	23012250510061	PATEL NEEL SANDIPKUMAR	Neel
38	23012250510062	PATEL PRANSHAV CHIRAGKUMAR	Pranshav
39	23012250510063	PATEL PRATHAM PRAVIN	Pratham
40	23012250510064	PATEL SHIVAM RAMESHBHAI	Shivam
		Name of Faculty	Atish Agrawal
		Signature of Faculty	Atish

L.J Polytechnic, Ahmedabad (CI-5B)
Kotarpur Water Treatment Plant Visit

Attendance Record

Date: 07-08-25

S#.	Enrol. #.	Student Name	Sign.
1	22012250510017	SOLANKI JAIMIN PAESHKUMAR	— AB —
2	22012250510023	THAKOR KARTIK DASHRATHIBHAI	(P)
3	22012250510033	LALL MANDEEPSINGH	Mandep
4	22012250510038	RIYAWALA MOHD. SHAHIM MOHD. ASIF	Shahid
5	22012250510066	PANDYA SAGARKUMAR JAYESHBHAI	Sagars
6	23012250510067	PATHAN NAJEERKHAN MAIYUDDINKHAN	N. Jc
7	23012250510068	PRAJAPATI HIMANSHU VISHAL	Himanshu
8	23012250510069	PRINCE UMAKANT PATEL	Prince
9	23012250510070	RAMI AKSHAT JAIMIN	Rami
10	23012250510071	RAVAL DHAIRYA SANDIPKUMAR	Dhaival
11	23012250510073	SAMA ABRARBHAI NIZAMBHAI	Abhis
12	23012250510074	SAMA HASNAIN HABIBBHAI	Hasnain
13	23012250510075	SAMA NAFISH RAMZANBHAI	Nafish
14	23012250510076	SAUMYA OZA	Sa
15	23012250510077	SETALVAD PRIT ARPANKUMAR	Prit
16	23012250510078	SHAH JAHAN DISHIL	Jahan
17	23012250510079	SHAIKH MOHAMMAD GYASUDDIN SHAKIL	G. Shaukhan
18	23012250510080	SHLOK SHAH	Shlok
19	23012250510081	SISODIYA MOHAMMADZAI MO. MOJIM	Mojim
20	23012250510082	SOHAM HARSH SHAH	Soham
21	23012250510087	THAKOR DHAVAL BALDEVBHAI	Dhaival
22	23012250510088	THAKOR KULDEEPSINH DILIPSINHJI	Kuldeep
23	23012250510089	THAKOR ROHITBHAI ARVINDBHAI	Rohit
24	23012250510090	TRAPASIYA HETARTH ROHITBHAI	Hetarth
25	23012250510091	TRIVEDI AYUSH MEHULKUMAR	Ayush
26	23012250510092	UPADHYAYA PARV BALBHADRA	Parv
27	23012250510093	VADHIYA PURVAM HETALBHAI	Purvam
28	23012250510094	VANSHRAJ VAGHELA	VS
29	23012250510096	VATSAL RAKESHBHAI PATEL	Vatsal
30	23012250510097	VEGDA DARSHIL MAUBHAI	Darshil
31	23012250570901	DABHI MAN RAJESHBHAI	Man
Name of Faculty			Shikha Shah
Signature of Faculty			S. P. Shah

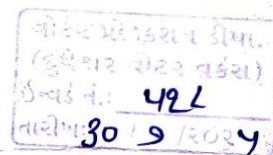
13. Activity Brochure/Notice:

LJ School of Diploma Studies (LJ Polytechnic)

Date: 29/07/2025

LJP/CIVIL/IND. VISIT/2025-26/357

To,
Additional Chief Engineer,
Water Production
Dudheshwar Water Works,
Dudheshwar,
Ahmedabad-380004



Subject: Request to Arrange Educational Visit to Kotarpur Water Treatment Plant

I am Akash Agrawal, Head of the Civil Engineering Department at LJ Polytechnic, Ahmedabad. I am writing to formally request your kind support in organizing an educational visit to the Kotarpur Water Treatment Plant for our students.

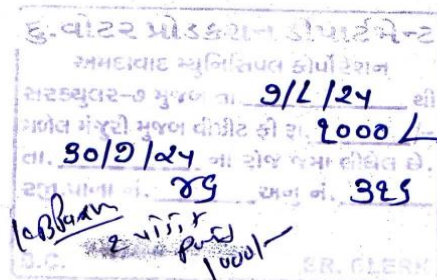
As part of the curriculum for the subject "Water Supply & Sanitary Engineering," we aim to enhance the practical understanding of our students by exposing them to real-time water treatment operations and technologies. This visit will be a valuable learning opportunity to witness firsthand the implementation of water purification processes and modern engineering techniques.

We are planning this visit for a group of 70 students and faculty members on 7th or 8th, August 2025. We would be grateful if your esteemed organization could accommodate our request and assist in facilitating the arrangements. We also request the presence of a technical expert during the visit to help guide the students and explain the processes involved.

We truly appreciate your time and consideration and look forward to your positive response.

Sincerely,

Akash Agrawal
Mobile No.: 8866175169
Email: akash.agrawal@ljk.edu.in



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14. Outcome Summary:

Students understood all the theoretical process involved in water treatment clearly. The laboratory tests used to check the quality standards for raw water as well as treated water.