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Noted & Registered	
At. Serial No.	2557
Date	17-5-2024



**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
WESTERN ZONE BENCH, PUNE**

ORIGINAL APPLICATION NO.198/2023(WZ)

Narayan Shivaji Gund

.... Applicant

Versus

MPCB & Ors

.... Respondents

**AFFIDAVIT IN REPLY ON BEHALF OF MAHARASHTRA
POLLUTION CONTROL BOARD i.e RESPONDENT NO. 1 TO
OBJECTIONS RAISED BY THE APPLICANT.**

I, Nikhil Jalindar More, aged about 35 years, occupation – Service, the Sub-Regional Officer of the Maharashtra Pollution Control Board at Solapur having office 4/B, Bali Block, Civil Lines, Opp. Government Milk Scheme, Saat Rasta, Solapur – 413 003, do hereby state on solemn affirmation as under :-

1. I am filing this reply to the objections raised by the Applicant to the Report of the Joint Committee dated 5/2/2024. I say that I am only dealing with the allegations made against the Respondent Board by the Applicant.

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Kalindi D. Surate
Advocate & Notary
Regd. No. 15113

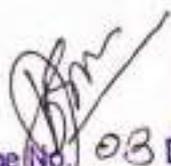
2. It is submitted that I have read the copy of the above objections filed by the Applicant to the Joint Committee Report dated 5/2/2024 and being conversant with the facts of the case. I am able to depose to the same. I crave leave of this Hon'ble Tribunal to file further Affidavit, if necessary. I deny all the allegations made and / or contention raised in the objections.
3. It is submitted that the contents of para 1 to 4 are matter of record and hence I do not wish to comments on the objections are related the facts of the case.
4. With reference to para 5 and 6 of the objections, it is submitted that in compliance of the Order dated 29/11/2023 passed by this Hon'ble NGT, the MPC Board being a nodal agency, has taken best possible efforts to complete the action/ tasks in a time bound manner.
- i. On 15/12/2023, after receipt of the Application, the Respondent Board has issued an Order 18/12/2023 regarding Constitution of Joint Committee.
 - ii. The Respondent Board vide letter dated 19/12/2023 communicated to the applicant and other complainants regarding visit of the Joint Committee on 22/12/2023 and requested to confirm their availability during the said visit along with all necessary documents.


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- iii. Accordingly, the Joint Committee was conducted a visit on 22/12/2023 and collected the samples of soil, dug well water, Effluent Treatment Plant.
- iv. On 25/01/2024, the results of samples including soil samples were received to the Joint Committee.
- v. On 05/02/2024, the Joint Committee has submitted the Report before this Hon'ble NGT.

It is evident from above chronology that no delay happened from Joint Committee in submission of Joint Committee Report before the Hon'ble NGT.

5. With reference para 7 of the objections, it is submitted that in compliance of the order dated 29/11/2023 passed by Hon'ble NGT, the Joint Committee has conducted a visit on 22/12/2023. Though there is a limited scope to the Joint Committee to visit to the farmlands of the applicant and other farmers in the vicinity, the committee has given opportunity to the all-other farmers of around nearby 3 villages- Yenaki, Watwate, Wagholiwadi from where the committee members have received the complaints prior to visit date and accordingly submitted the report before this Hon'ble Tribunal.
6. With reference to para 8 of the objections, it is submitted that at the time of the Joint Committee visit, both sugar and distillery units of Respondent No.2-Indusry, were found in operation and the same has been reported in the Joint Committee Report. The


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daily crushing data submitted by the Respondent No.2-industry to other Government Authorities i.e. Sakhar Ayukta Department for the month of December-2023 also indicates that the Respondent No.2-industry was in operation on the date of visit and prior days. A copy of the daily crushing data for the month of December-2023 submitted to the Sakhar Ayukta Department is enclosed as an **Annexure-I**.

7. With reference to para 9 and 10 of the objections, it is submitted that Section 21 of the Water (Prevention & Control of Pollution) Act, 1974 provides that : Power to take samples of effluents and procedure to be followed in connection therewith.—(1) A State Board or any officer empowered by it in this behalf shall have power to take for the purpose of analysis samples of water from any stream or well or samples of any sewage or trade effluent which is passing from any plant or vessel or from or over any place into any such stream or well. (2) The result of any analysis of a sample of any sewage or trade effluent taken under sub-section (1) shall not be admissible in evidence in any legal proceeding unless the provisions of sub-sections (3), (4) and (5) are complied with.

It is further submitted that the Joint Vigilance Samples means that the Industry will have to be intimated about the visit of the Field Officer from the Board and the sample shall be collected in presence of responsible person from the industry.

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The said exercise was done in compliance of the Hon'ble NGT Order dated 29/11/2023. Collection of sample u/s 21 of the Water (Prevention & Control of Pollution) Act, 1974 is followed in the event of filing of prosecution case. However, in the present case, Joint Vigilance Sampling has been done as per the directions of this Hon'ble Tribunal. Therefore, the Joint Vigilance Sampling shall not be confused with the legal sampling under Section 21 of the Water (Prevention and Control of Pollution) Act, 1974. The Joint Vigilance Sample always collected in presence of Representative of the industry.

8. With reference to para 11 and 12 of the objections, it is submitted that the Joint Committee gave enough opportunities to the applicant and all-other farmers of nearby 3 villages- Yenaki, Watwate, Wagholiwadi from whom the committee members had received the complaints prior to the date of visit. The committee had also collected soil and dug well water samples from the farmland of applicant and other complainants to analyze the impact of any kind of water/ air pollution caused by the Respondent No.2-industry on their soil/ dug well water. The JVS results of the ETP outlet of sugar industry which further used for land irrigation was collected at the time of the visit and presented in the report along with previous records.
9. With reference to para 13, 14 & 15 of the objections, it is submitted that the Joint Committee has already mentioned the



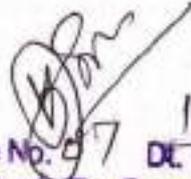
Office of the
 Registrar
 District & Sessions
 Court, Solapur

analysis results of ETP and consent limits in Table 4.1 of the Joint Committee Report. As per the condition mentioned in the consent issued to the Sugar Unit of the Respondent NO.2-Industry, the trade effluent generation is 425 CMD for which Respondent NO.2-industry has provided Effluent Treatment Plant (ETP) cum Condensate polishing unit (CPU) of capacity 2 MLD (2000 CMD) for the treatment of trade effluent. As per the condition mentioned in the consent issued to the Distillery Unit of the Respondent NO.2-Industry, the trade effluent (spent wash) generation is 1600 CMD for which Respondent NO.2-industry has provided MEE followed with 2 Nos. of dryers. The details of the pollution control system have already been mentioned in clause 7.2 of the Joint Committee Report. The Respondent Board vide letter dated. 6/6/2023 has directed to the Respondent No.2-industry to carry out third party feasibility report regarding Air and Water pollution system through reputed institute and submit the details of the same. Accordingly, Respondent NO.2-industry has submitted the Third-Party Assessment Report of Department of Environmental Science, Shivaji University, Kolhapur indicating that Respondent NO.2-industry has installed adequate pollution control system with recommendations that industry shall upgrade air pollution control system by providing Rotary Particulate Collector before wet scrubber and also provide 2 STPs of capacity 5KLD (0.5 CMD). A copy of the Third Party



Feasibility Report is enclosed herewith and marked as an **Annexure – 'II'**.

10. With reference to para 16 of the objections, it is submitted that the Official of the Respondent Board at Solapur had made communications vide letter dated 13/10/2021 to Agriculture Department and GSDA Department to confirm the crop loss and borewell/ dugwell water contamination and submit the report of the same. The Agriculture Department vide its report dated 4/4/2022 informed that – “ash particles from the Jakraya sugar stack were found deposited over crops and there is possibility of adverse impact on crops development and yield. Also, few farmers reported that the dug well water is not suitable for drinking.” However, the report did not quantify any losses/ damages caused due to pollution. In the current scope of the work of the Joint committee, it is difficult to assess the damage/ loss caused related to the past period. Accordingly, at Clause 4.5 of the Joint Committee Report stated that -*“It is fact on record that the ground water quality of surrounding area was affected during the period of July-2021, however, to make any firm conclusion regarding the impact duration and impact area and accordingly accessing the environmental damage cost require extensive study involving expert agencies/ institutes like IIT/NEERI.”*


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11. With reference to para 17 to 21 of the objections, it is submitted that the Joint Committee has taken on record past analysis report, results of environmental dug well sample in a best possible way. For the past violation reported by the applicant are mostly referred from Board's various directions issued to the Respondent No.2-Industry from time to time in accordance with the reports submitted by Board officials and Board had directed the industry to take remedial actions as and when reported. The Respondent NO.2-industry has provided online monitoring system at ETP and stack. The same has found operational and connected with MPCB/ CPCB server during visit and mentioned in the Joint Committee Report. The data of online system is getting transferred to server directly after interval of 15 minutes continuously and committee members do not find any necessity to record the reading of the same in the report. The online data received to MPCB server at the time of visit and adjacent days is enclosed herewith as an **Annexure-'III'**.
12. With reference to para 22 of the objections, it is submitted that the Joint Committee Members during the visit at site observed that there is gathering of mob, therefore, immediately taken the assistance of local police authorities to conduct the visit. The Joint Committee has taken all possible efforts to ensure secure/ fearless environment provided to the applicant/ all stakeholders during the visit and only relevant stakeholders will get involved for the site inspection.




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13. With reference to para 23 to 28 of the objections, it is submitted that the prior intimation letter has been communicated to all applicants and the observations of their respective farmlands were taken on record by the Joint Committee in its Joint Committee Report.
14. With reference to para 29 of the objections, it is submitted that during the visit, the Joint Committee requested to the Applicant-Narayan Gund to allow the installation of Ambient Air Quality Monitoring machine at his house to collect the particulate matter concentration receiving at his house and provide electric supply for the same, however, the applicant has refused the request. On the basis of available results of Ambient Air Quality Monitoring are mentioned in Clause 5.2 of the Joint Committee Report.
15. With reference to para 30 of the objections, it is submitted that conducting inspections on more than one occasions is not consistent with the directions of Hon'ble NGT and not included under the scope of the committee. However, the MPC Board regularly collects JVS samples of the Respondent No.2-industry during crushing season.
16. With reference to para 31 and 32 of the objections, it is submitted that in compliance of the Order dated 23/11/2023 passed by this Hon'ble Tribunal, the Joint Committee has covered all directions

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issued by this Hon'ble Tribunal in its report, which was taken on record by the Hon'ble NGT.



17. Hence this Affidavit.

Solemnly affirmed on this ...¹⁸..... day of May 2024 at Solapur.

I know the affiant

For and on behalf of Maharashtra.
Pollution Control Board i.e.
Respondent No. 1.

[Signature]
ADVOCATE

[Signature]
(Nikhil More)
Sub-Regional Officer,
Solapur



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Solemnly affirmed before me by
Shri. Nikhil Jalindar More

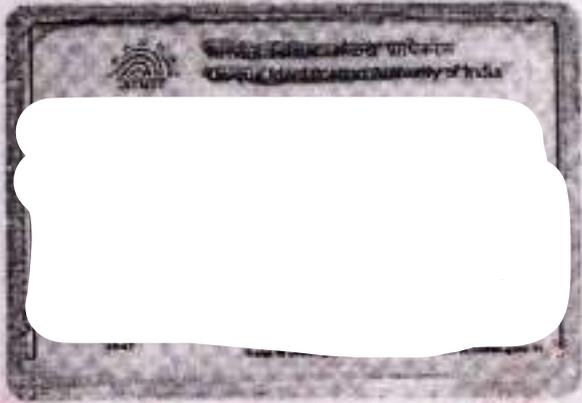
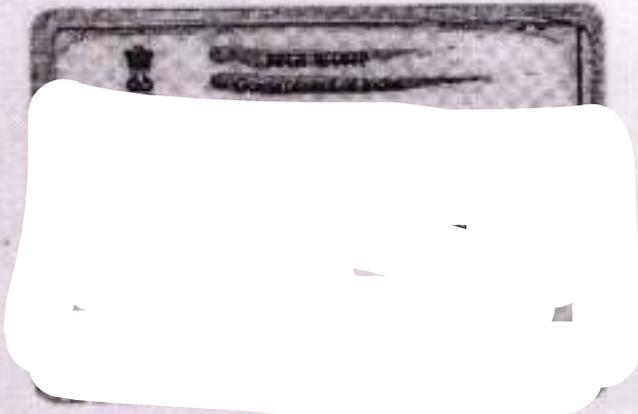
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BEFORE ME
KALINDI D. SURATE
NOTARY
GOVT OF INDIA
REG NO 15113

[Signature]

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Kalindi D. Surate
Advocate & Notary
Regd. No. 15113

Who is identified by Shri. self
Whom / personally know
Date :- 17/5/2024



NMA

Annexure - I

साखर आयुक्तालय महाराष्ट्र शासन
JAKRAYA

- o Factory Profile
- o User Profile
- o Change Password
- o Logout

गाळप परवाना
प्रमाण

सद्यकालीन व्यवस्थापन

साखर शासन व उपभोक्ता मंडळ

RT-7(C) MAHA (Division of Sugar)

2023-24 गाळप माहिती

वार्षिक माहिती

आज अखेर ऊस गाळप आज अखेर साखर उत्पादन
255400.000 177100.000

मासिक माहिती

महिना	उस गाळप	साखर उत्पादन
जानेवारी	75590.000	60750.000
फेब्रुवारी	36710.000	27500.000
मार्च	63100.000	27050.000
डिसेंबर	80000.000	61800.000

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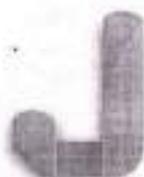
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Annexure-II

APCS & WWTP ADEQUACY REPORT

OF



JAKRAYA
SUGAR LTD.

JAKRAYA SUGAR LTD.

A/P - WATWATE, TAL. MOHOL, DIST.: SOLAPUR
STATE: MAHARASHTRA

PREPARED BY

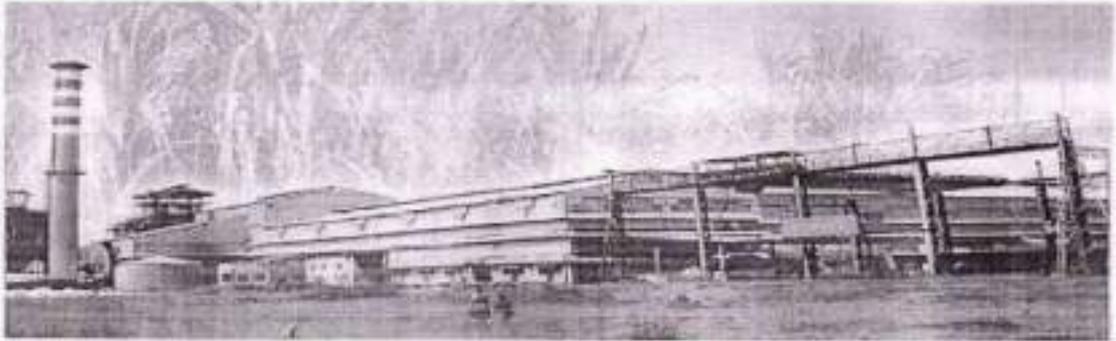


Estd. 1962

NAAC 'A++' Grade

With CGPA 3.52

DEPARTMENT OF ENVIRONMENTAL SCIENCE
SHIVAJI UNIVERSITY, KOLHAPUR



JAKRAYA SUGAR LTD. (JSL)

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Executive Summary

This executive summary provides a concise overview of the Environmental Adequacy Report conducted for a distillery and sugar plant project. The report evaluated the potential environmental impacts associated with the establishment and operation of the facility.

The proposed distillery and sugar plant project aims to contribute to the local economy by producing distilled beverages and sugar products. The project is anticipated to have positive economic implications, including job creation and revenue generation. However, it is crucial to assess and mitigate any potential adverse environmental effects that might arise from the plant's construction and operation.

The findings of the assessment indicate that the construction phase of the project may result in temporary disturbances to the local environment due to noise, dust, and increased traffic. However, these impacts can be managed through implementing appropriate mitigation measures such as dust control and construction scheduling to minimize disruptions to local communities.

The operational phase of the distillery and sugar plant is anticipated to have ongoing environmental impacts primarily related to water consumption, waste generation, and air emissions. To address these potential concerns, the report recommends the adoption of sustainable practices such as water recycling and treatment, waste segregation and responsible disposal, and the implementation of emission control technologies to minimize air pollutants.

Furthermore, the need of this report emphasizes the importance of integrating biodiversity conservation measures into the project's design and operation. This could involve the creation of green buffers, habitat restoration, and adherence to sustainable agricultural practices to mitigate potential harm to local ecosystems.

In light of above, the report evaluates mainly air quality maintaining devices and wastewater management plants. The findings reveal design adequacy and operational treatability of equipment.

In conclusion, the Environmental Adequacy Report highlights the significance of balancing economic development with environmental preservation. By implementing the recommended mitigation strategies and sustainable practices, the distillery and sugar plant project can contribute positively to the local economy while minimizing its ecological footprint. Ongoing monitoring and adaptive management are crucial to ensure that the project remains environmentally sound throughout its lifecycle. The findings and recommendations of this report provide a foundation for decision-makers, stakeholders, and the project proponents to collaborate effectively in achieving both economic prosperity and environmental sustainability.

1. Background and Objectives Study

Industrialization is backbone for growth of any country. Many industries are running which are responsible for environmental disturbances. The disturbances may be untreated waste which generated from process, production, cleaning or washing purpose. Wastewater generated from distilleries and sugar industries consists of water from chemical processes, process stream wash water, product wash water, spent wash etc. Because of the nature of effluent and their components, wastewater generated from such plant is usually dangerous to environment. Washing and cleaning operations provide the principal sources of wastewater in such industries because these primary sources are associated with cleanup of spills, leaks, area wash down and storm water runoff. The quality of such effluent can be analyzed by their physico-chemical analysis. Monitoring of the environmental parameters of the effluent would allow having, at any time, a precise idea on performance evaluation of ETP and if necessary, appropriate measures may be undertaken to prevent adverse impact on environment. The obtained results are very much useful in identification and rectification of operational and maintenance problems and it can be also utilized to establish methods for improved performance of this industries and plant waste minimization strategies.

The necessity of Effluent Treatment Plant (ETP) adequacy for a distillery arises from the environmental and regulatory concerns associated with the production processes and waste generated in distilleries. Distilleries are industrial facilities which includes processes such as fermentation and distillation. These processes generate significant amounts of wastewater and byproducts that can contain various pollutants, including organic matter, suspended solids, alcohol residues, and potentially harmful chemicals.

Here are some key reasons highlighting the necessity of ETP adequacy for distilleries:

Environmental Regulations: Distillery wastewater can contain high levels of organic compounds, which, if released untreated into water bodies, can lead to oxygen depletion, harming aquatic life and disrupting ecosystems. Regulatory authorities often have strict standards for wastewater discharge to protect the environment and human health. An ETP ensures that the wastewater is treated to meet these regulatory standards before being released.

Water Pollution Prevention: Untreated or inadequately treated distillery wastewater can cause water pollution, impacting not only surface water bodies but also groundwater quality. An ETP helps in removing pollutants and contaminants, preventing their introduction into the environment and reducing the potential for negative impacts.

Community Health and Safety: Inadequately treated distillery effluents can pose health risks to communities living near the distillery. Harmful chemicals and pathogens in wastewater can contaminate local water sources and affect public health. Adequate treatment through an ETP minimizes these risks.

Sustainable Practices: As global awareness of environmental sustainability grows, industries are expected to adopt cleaner production practices. Implementing an effective ETP aligns with sustainable practices by reducing the environmental footprint of the distillery operations.

Brand Reputation: Environmental responsibility and sustainability are important factors in maintaining a positive brand image. Distilleries that invest in ETP adequacy demonstrate their commitment to environmental stewardship, which can enhance their reputation among consumers and stakeholders.

Resource Conservation: Distillery operations require significant amounts of water, energy, and raw materials. An ETP that efficiently treats wastewater can potentially recover resources, such as water, energy, and even certain byproducts, which can contribute to cost savings and sustainability.

Legal Compliance and Fines: Non-compliance with environmental regulations can lead to legal penalties, fines, and even the suspension of operations. An ETP ensures that the distillery remains compliant with relevant laws and regulations.

Long-Term Viability: Ensuring the adequacy of the ETP prepares the distillery for potential changes in production volume, processes, and regulations. It provides flexibility and resilience against future challenges.

In summary, the necessity of ETP adequacy for distilleries is driven by environmental protection, regulatory compliance, public health considerations, and sustainable business practices. An effective ETP is a crucial component in mitigating the environmental impacts associated with distillery operations, ensuring the well-being of surrounding communities, and promoting responsible industrial practices.

2. Process Description of Distillery

2.1. Process Sugar, Co-Gen & Distillery Flow Chart

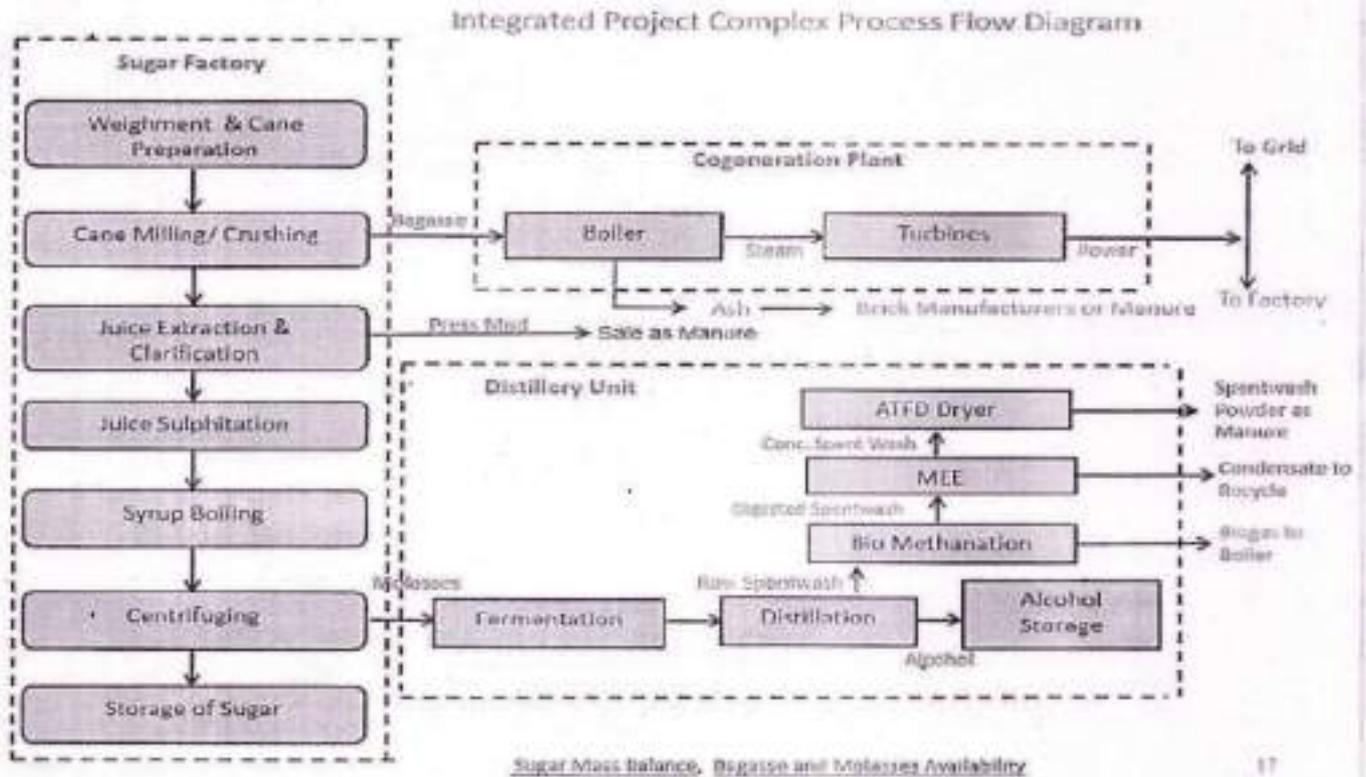


Figure 1: Process Sugar, Co-Gen & Distillery Flow Chart

2.1.1. General Working principle of ETP

The acronym "ETP" typically stands for "Effluent Treatment Plant." An Effluent treatment plant is a facility used to treat wastewater or effluent generated by industrial processes to remove contaminants and pollutants before releasing it into the environment or discharging it into a municipal sewage system. While sugar mills may have specific requirements and processes, the general working principles of an ETP remain relatively consistent. Here's an overview of how an ETP typically works:

Collection and Inlet:

Wastewater from various sources within the sugar mill, such as wash water, cooling water, and process water, is collected and channeled into the ETP.

Screening and Pre-Treatment:

In the initial stage, the wastewater may undergo screening to remove larger debris, such as sticks, leaves, and other solid materials.

Pre-treatment processes may include the use of grit chambers to settle out heavier solids like sand and gravel.

Primary Treatment:

The pre-treated wastewater enters a primary treatment tank, such as a sedimentation tank or clarifier.

In this tank, suspended solids and heavier contaminants settle to the bottom as sludge, while relatively cleaner water rises to the top.

Secondary Treatment (Biological Treatment):

The clarified wastewater from the primary treatment stage enters a secondary treatment process, which is often a biological treatment unit.

In the biological treatment stage, microorganisms (bacteria and sometimes other microorganisms) break down organic pollutants present in the water. This can involve aerobic or anaerobic processes.

Aerobic processes use oxygen to facilitate the decomposition of organic matter, while anaerobic processes occur in the absence of oxygen.

Tertiary Treatment:

Depending on the specific requirements and regulations, some ETPs may include a tertiary treatment stage to further polish the effluent. This stage may involve additional filtration, chemical treatment, or advanced processes like membrane filtration or activated carbon adsorption.

Effluent Quality Monitoring:

Throughout the treatment process, the quality of the effluent is continuously monitored to ensure it meets regulatory standards and the specific requirements of the sugar mill.

Effluent Discharge:

Once the wastewater has undergone the necessary treatment and meets the required quality standards, it can be safely discharged into the environment or the municipal sewage system, depending on local regulations.

Sludge Handling:

The sludge produced in the primary and secondary treatment stages may require further treatment or disposal, such as dewatering, drying, or disposal in a designated area.

The specific design and components of an ETP can vary depending on the scale of the sugar mill, the characteristics of the wastewater, and regulatory requirements. Effective ETPs are crucial for minimizing the environmental impact of industrial processes and ensuring compliance with environmental regulations.

2.2. *Process Distillery Flowchart*

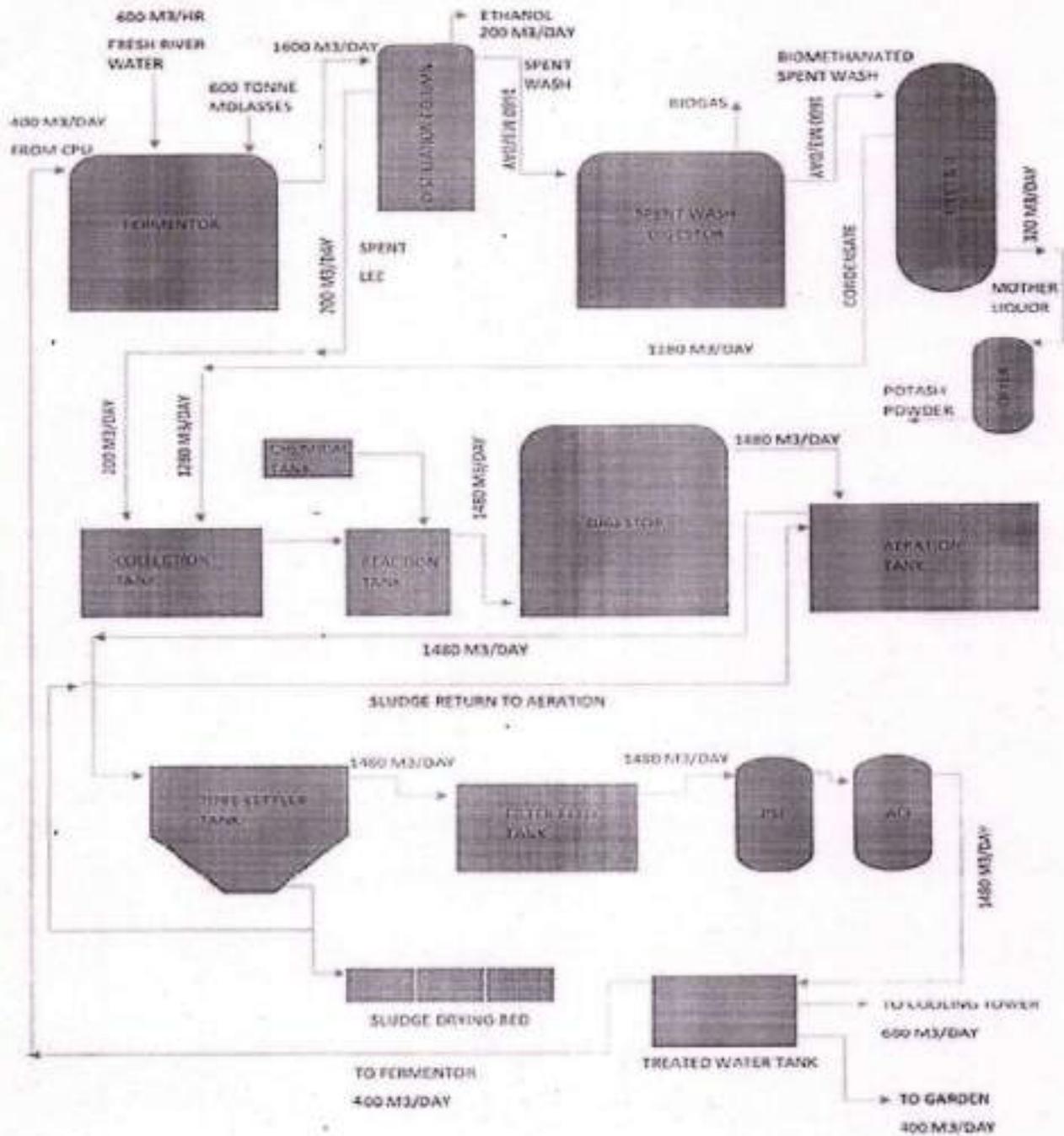


Figure 2 : Water Flowsheet of Distillery

Unit wise working principle

2.2.1. Spent Wash Digester I & II

Principle of Working

A spent wash digester is a vessel or tank designed to facilitate the anaerobic digestion of spent wash. Anaerobic digestion is a biological process in which microorganisms break down organic matter in the absence of oxygen, leading to the production of biogas and a reduction in the organic content of the waste.

Here's how the process generally works:

Feedstock Preparation: The spent wash is collected from the distillation process and fed into the digester.

Anaerobic Digestion: Inside the digester, anaerobic microorganisms, primarily methane-producing bacteria, break down the organic matter in the spent wash. This process generates biogas, which is primarily composed of methane (CH_4) and carbon dioxide (CO_2).

Biogas Collection: The biogas produced during anaerobic digestion can be collected and used as an energy source. It can be burned to generate heat and electricity, reducing the reliance on external energy sources.

- Benefits of using a spent wash digester include:

Biogas Generation: The production of biogas provides an additional energy source that can be used to offset operational energy requirements.

Waste Reduction: Anaerobic digestion reduces the organic content of the spent wash, mitigating the environmental impact of waste disposal.

Odor Control: The digestion process can help reduce the strong odors associated with untreated spent wash.

Nutrient Recovery: The digested material may contain nutrients that can be used as a fertilizer or soil amendment.

Specifications:

Table 1 - Specification of Digester I & II

Parameter	Digester I	Digester II
Diameter	28.3 m	36 m
Height	17.047 m	18 m
Capacity	11000 m ³	18000 m ³
Feed Flow	500 m ³ /day	720 m ³ /day
Outlet Flow	500 m ³ /day	720 m ³ /day
Biogas Production	21000 m ³ /day	31000 m ³ /day
Feed Spent Brix	12 Bx	12 Bx
Outlet Spent Brix	8 Bx	8 Bx
Feed COD	100000	120000
Outlet COD	30000	35000

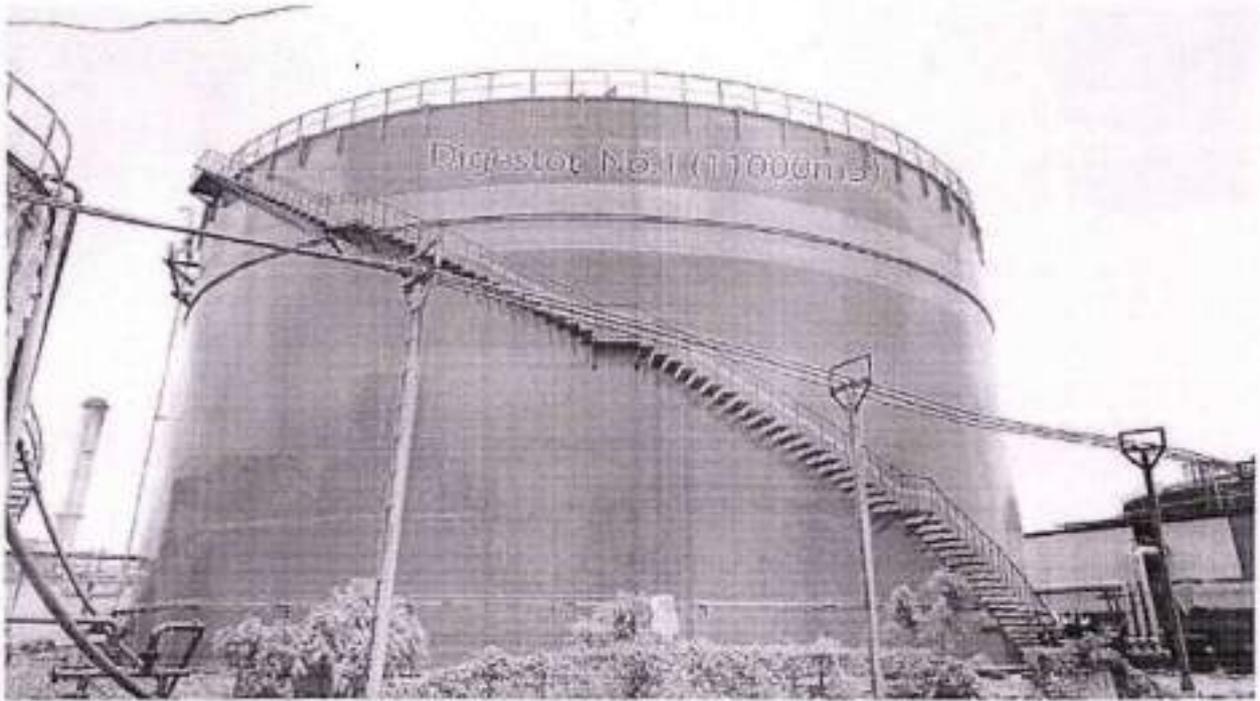


Image 1 : Digester I - 11000 m³

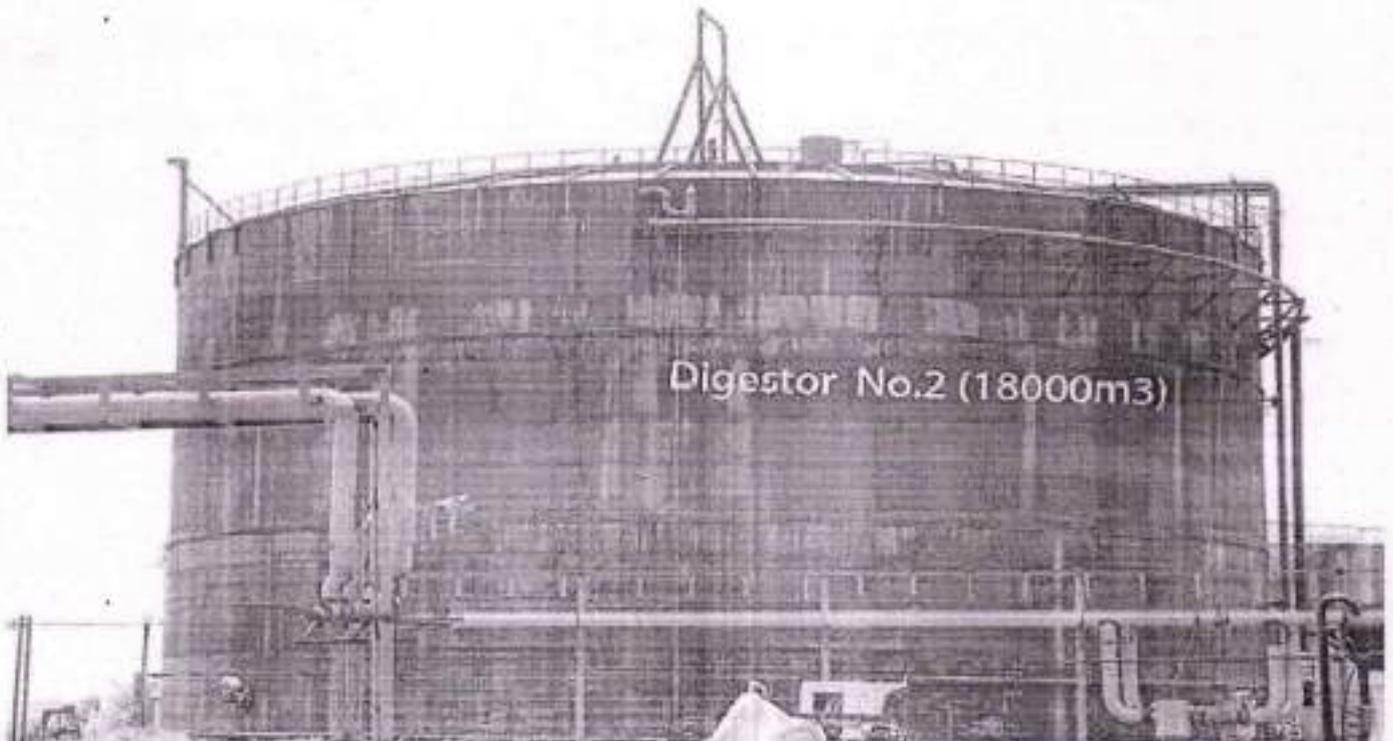


Image 2: Digester II - 18000 m³

2.2.2. Multi Effect Evaporator

Principle of Working

A multiple-effect evaporator (MEE) is a type of thermal concentration system used to evaporate water from a liquid solution, typically in industrial processes. It's a highly efficient method for concentrating solutions by utilizing the heat from the condensation of vapor generated in one stage to evaporate liquid in the next stage. This multi-stage setup allows for energy savings compared to single-stage evaporation.

Here's how a multiple-effect evaporator generally works:

Basic Principle: A multiple-effect evaporator consists of multiple evaporator vessels (stages) arranged in series. Each stage operates at a lower pressure than the previous stage. As the solution flows from one stage to the next, the pressure difference allows the solution to boil at lower temperatures, saving energy.

Steam Usage: In the first stage, external steam or another heat source is used to provide the necessary heat for evaporation. The vapor generated in this stage flows to the next stage, where it condenses, transferring its latent heat to the solution in the second stage, causing that solution to evaporate.

Cascade Effect: The vapor generated in each stage is condensed in the next stage, releasing its latent heat. This heat is utilized to evaporate the solution in the subsequent stage. This process is repeated through each stage in the evaporator, with the vapor sequentially condensing and releasing heat, leading to water removal and solution concentration.

Energy Efficiency: The condensed vapor from one stage becomes the heating medium for the next stage. This cascade effect significantly reduces the need for external heat sources, making multiple-effect evaporators energy-efficient compared to single-effect systems.

Concentration: As the solution progresses through the stages, water is continually removed through evaporation, leading to concentration of the solute in the remaining liquid.

Specifications:

Table 2 - Specification of Multi Effect Evaporator I & II

Parameter	MEE 1	MEE 2
Feed Flow	25 m ³ /hr	20 m ³ /hr
Feed Brix	10	10
Outlet Brix	40	40
No. of Surface Condenser	2	1
Surface Condenser height	6m	6m
No. of Effects	1	5
No. of Tubes in Calandria	1100	1424
Calandria Tube Dia	48mm	48mm
Calandria Tube Height	12 m	12 m
Operating Temp	85 C	85 C
Vacuum	650 mm hg	650 mm hg



Image 3: MEE I



Image 4: MEE II

2.2.3. Dryer – I & II with Hot Air Generator

Dryer – I & II

Principle of Working

The feed from feed tank is fed to the atomization system through a variable speed feed Pump. The atomized particles come in contact with the hot air entering the chamber in a co-current fashion through an air distributor.

The dried product entrained with the exhaust air is separated in a high efficiency cyclone separator and discharged through the rotary air lock valve and the exhaust air is then vented to the atmosphere.

The process air is handled by means of two centrifugal blowers. The entire operation of the plant is through a locally mounted instrument cum motor control panel.

Dryer Specifications

Table 3 - Specification of Dryer I & II

Parameter	Dryer I	Dryer II
Capacity :	9 m ³	6 m ³
Feed Rate :	9600 kg/hr	6000 kg/hr
TDS in Feed :	45%	45%
Output from Spray Dryer :	4547 kg/hr at 5% moisture (w/w)	3120 kg/hr at 5% moisture (w/w)
Water Evaporation :	5053 kg/hr by design at 240 °C inlet and 110 °C outlet	2880 kg/hr by design at 240 °C inlet and 110 °C outlet



Image 5: Dryer II - 9 m³

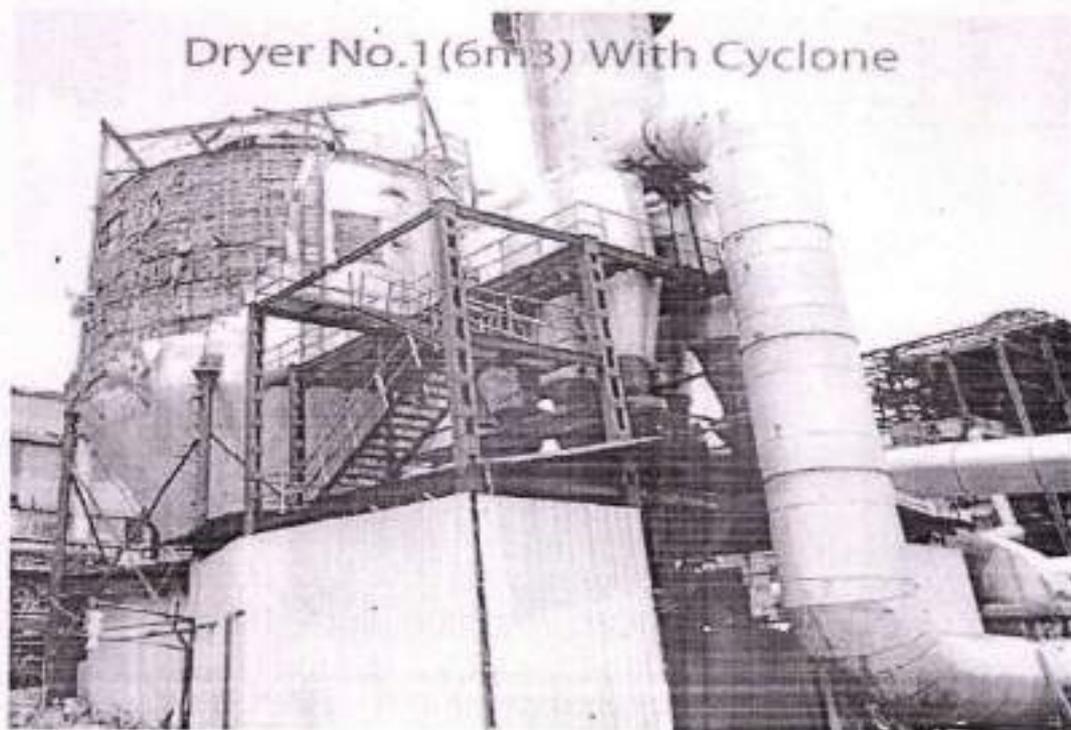


Image 6: Dryer I - 6 m³

Hot Air Generator

Principle of Working

A hot air generator system for a dryer is a mechanism used in appliances like clothes dryers to generate and circulate warm air to efficiently dry clothes and other fabrics.

The feed from feed tank is fed to the atomization system through a variable speed feed Pump. The atomized particles come in contact with the hot air entering the chamber in a co-current fashion through an air distributor.

The dried product entrained with the exhaust air is separated in a high efficiency cyclone separator and discharged through the rotary air lock valve and the exhaust air is then vented to the atmosphere.

The process air is handled by means of two centrifugal blowers. The entire operation of the plant is through a locally mounted instrument cum motor control panel.

HAG Specifications:

Table 4 - Specification of Hot Air Generator System

Sr. No.	Description	Capacity
1	Capacity	50,00000 Kcal/hr
2	Temperature	250 C max
3	Fuel Used	Bagasse
4	Side Plate MOC	IS2062
5	ID Motor	250 Hp – 2 qty
6	SA Fan Motor	10 Hp
7	Screw Conveyer	2 Hp



Image B: Wet Scrubber

Wet Scrubber Specifications:

Table 5 - Specifications of Wet Scrubbers

TECHNICAL DATA	WET SCRUBBER OFFLINE	WET SCRUBBER ONLINE
Flow Volume	133200 m ³ /h	123400 m ³ /h
Static Pressure I/L	-350 mmWG	-350 mmWG
Static Pressure O/L	10 mmWG	10 mmWG
Gas Temperature	150 °C	110 °C
Total Power Efficiency	82.3 %	81.7 %
Power Consumption	159.86 kW 150°C	147.88 kW 110°C

ID Fan Details:

Fan Speed: 980 rpm
 Static Load: 7320 kg-f
 Dynamic Load: 4540 kg-f
 GD² Value: 1500 kgm²
 Application: I.D.FAN
 Qty.: 2 NOS.

Scrubber Column Details

Type - Venturi
 Gas Flow Direction - Bottom to Up
 Diameter - 5651 mm

Diagram

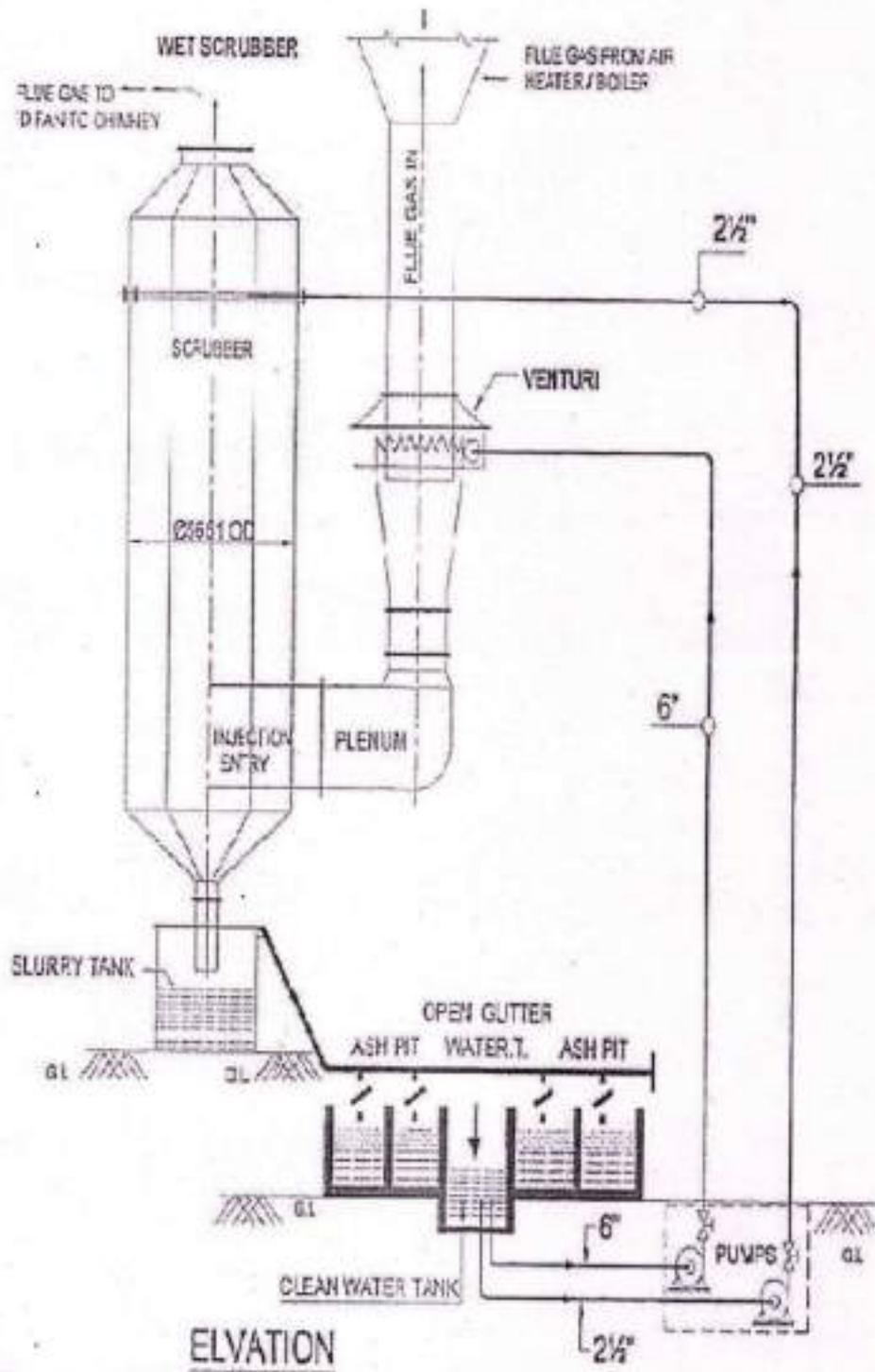


Figure 5 - GA diagram of Wet Scrubber

2.2.5. Cyclone

Principle of Working

An air cyclone, often referred to as a cyclone separator or cyclone dust collector, is a device used to separate particles from a gas or air stream. It operates on the principle of centrifugal force and inertia to separate heavier particles from the lighter gas stream. Here's how it works:

Inlet: The gas or air stream, along with the particles it carries, enters the cyclone through an inlet. This inlet tangentially introduces the gas near the top of the cyclone's cylindrical body. This tangential entry creates a swirling motion inside the cyclone.

Swirling Motion: As the gas enters the cyclone tangentially, it starts to rotate in a spiral pattern due to the cyclone's internal shape. The rotational motion creates a centrifugal force, which pushes the heavier particles towards the outer walls of the cyclone.

Centrifugal Force: The centrifugal force causes the particles to move towards the outer walls of the cyclone. As the gas spirals downward, the particles experience greater centrifugal forces, and they are pushed against the cyclone's walls. This motion separates the particles from the gas stream.

Inertia and Gravitational Settling: As the gas and particles continue to move downward in the cyclone, the gas stream starts to slow down near the bottom due to friction with the walls. The lighter gas is more influenced by the changes in direction and begins to move upward towards the center of the cyclone, forming an inner vortex. The heavier particles, however, have more inertia and are less affected by the changes in direction. This inertia, coupled with the force of gravity, causes the particles to settle downwards and collect at the bottom of the cyclone.

Outlet: The clean gas, having been separated from the particles, continues its upward movement in the center of the cyclone and exits through an outlet located at the top. It's important to note that while some fine particles might still be carried along with the gas stream, the majority of the larger particles have been separated.

Particle Collection: The collected particles at the bottom of the cyclone are periodically removed. This can be done manually or automatically, depending on the design and purpose of the cyclone. These collected particles can range from dust and debris to larger solid particles.

Diagram

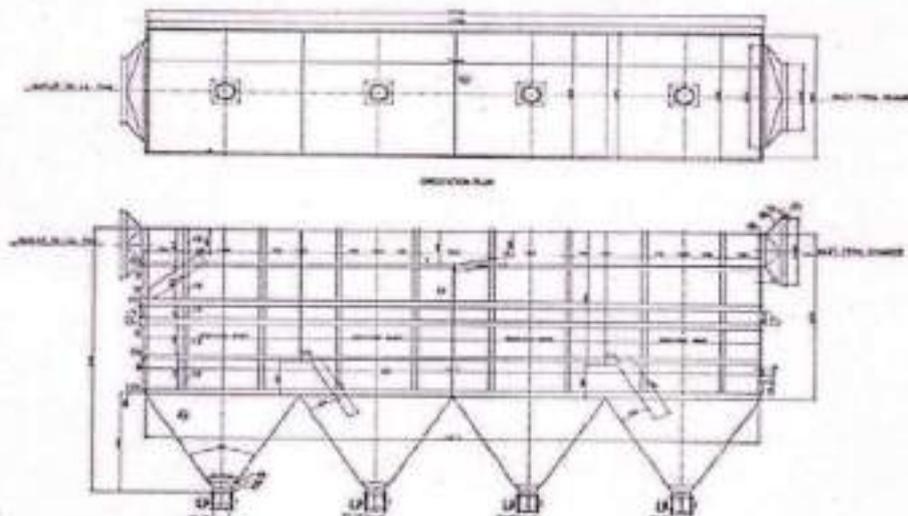


Figure 6 - GA diagram of Wet Scrubber

2.2.6. Condensate Polishing Unit (CPU)

Principle of Working

In a distillery, a condensate polishing unit (CPU) plays a critical role in maintaining the purity of water used in various processes, including steam generation, cooling, and product formulation. Distilleries produce alcoholic beverages through processes like fermentation and distillation, which generate impurities that can affect the quality of the final product. A condensate polishing unit helps remove contaminants from the condensate generated during these processes.

Collection Tank

A collection tank is a key component within an industrial facility's wastewater treatment system. The primary purpose of a CPU collection tank is to receive, store, and provide initial treatment to the wastewater or effluent generated by the industrial processes before it undergoes further treatment in the condensate polishing unit.

Chemical Tank

In CPU chemical tanks play a crucial role in the treatment process by holding various chemicals that are used to treat and condition the incoming wastewater. The chemicals added to the CPU help in neutralizing, precipitating, and coagulating, flocculating, disinfecting, or otherwise altering the characteristics of the wastewater to facilitate its effective treatment.

Reaction Tank

In cases where the incoming wastewater is highly acidic or alkaline, chemicals are added to neutralize the pH. This prevents damage to the treatment infrastructure and ensures that downstream treatment processes are not negatively impacted by extreme pH conditions.

Digester (UASBR)

An Up flow Anaerobic Sludge Blanket Reactor (UASBR) is a type of anaerobic wastewater treatment system used to treat organic wastewater, generate biogas, and reduce environmental pollution. It's a variant of the more general anaerobic digestion process used for treating various types of wastewaters, particularly those with high organic content.

Aeration Tank

Aeration tanks are more commonly associated with biological wastewater treatment systems, such as activated sludge processes. In this context, an aeration tank is a critical component of the treatment process, where microorganisms (bacteria and other microorganisms) break down organic pollutants in the wastewater. The aeration tank contains a mixture of wastewater and activated sludge (a mixture of microorganisms that consume organic matter). Air or oxygen is introduced into the tank using diffusers, mechanical aerators, or other aeration equipment.

Tube Settler

A tube settler, also known as a lamella settler or inclined plate settler, is a component used in water treatment processes to enhance the settling of suspended solids from water. It utilizes a series of closely spaced inclined plates or tubes to create a large settling area within a compact space. The primary purpose of a tube settler is to increase the efficiency of solid-liquid separation by promoting the gravitational settling of particles.

Filter Feed Tank

A filter feed tank is used to treat wastewater and remove impurities before discharge or reuse. The primary purpose of a filter feed tank is to receive, store, and provide uniform distribution of wastewater to filtration units or processes.

PSF & ACF

A Pressure Sand Filter (PSF) is a type of water treatment filter used to remove suspended solids, turbidity, and particulate matter from water. It consists of a tank filled with specially graded sand as the filtration media. The water is passed through the sand bed under pressure, which facilitates the removal of impurities. PSFs are commonly used in industrial, municipal, and residential water treatment systems for pre-treatment before processes like disinfection, softening, or further treatment. The working principle of a PSF involves the water flowing through the sand bed, where suspended particles get trapped in the void spaces between the sand particles. Over time, the accumulation of particles can clog the sand bed, reducing filtration efficiency. To address this, PSFs require periodic backwashing, during which the water flow is reversed to flush out the accumulated particles and restore the sand's filtration capacity.

An Activated Carbon Filter (ACF) is a filtration system that uses activated carbon as the filtration media. Activated carbon is a highly porous material with a large surface area, making it effective at adsorbing (not absorbing) various impurities from water, such as organic compounds, chlorine, tastes, odors, and some dissolved chemicals. In an ACF, water flows through a bed of activated carbon granules or blocks. As the water passes through the activated carbon, impurities adhere to the carbon's surface through adsorption. ACFs are commonly used in drinking water treatment, wastewater treatment, and industrial processes. They are particularly effective in improving water quality and taste by removing unwanted contaminants.

Treated Water Tank

A Treated water tank is used to store treated water for further reuse and distribution.

Treatment Schematic Flowsheet

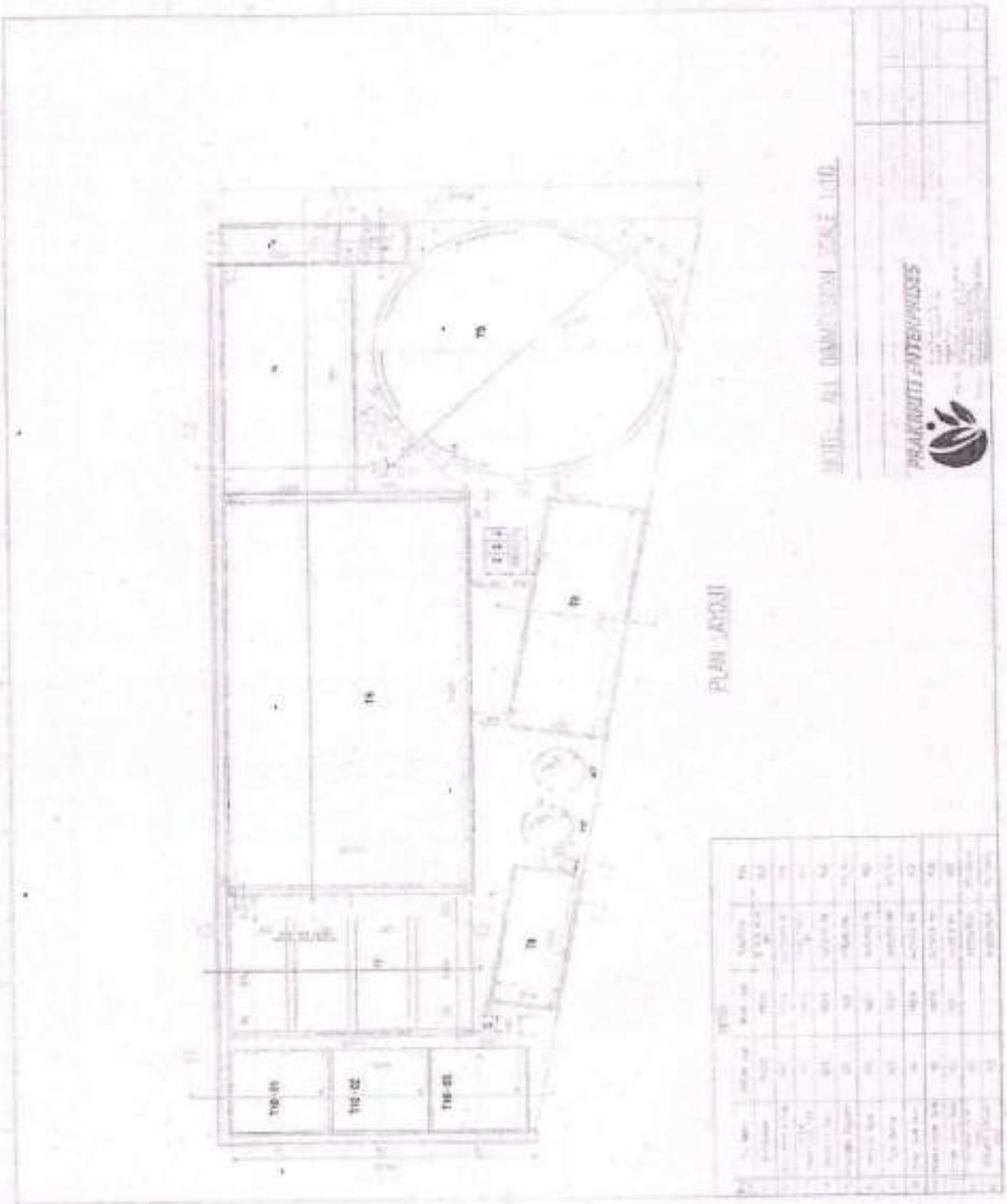


Figure 7 - CPU unit arrangement layout

Dimensions Table

Table 6 - Dimensions of Condensate Polishing Unit (CPU)

Tag. No	Tag Name	Bottom Level	Water Level	Size/Flow	Mat
T1	Bar Screen	100.45	101.5	1.5 × 1.5 × 1.5 Mtr	RCC
T2	pH Correction Tank	98.5	101.5	7 × 2.7 × 3.45 Mtr	RCC
T3	Chemical Preparation Tank	101.4	103.3	2.45 × 2.75 × 2.3 Mtr	RCC
T4	Collection Tank	98.5	101.5	17 × 8 × 3.45 Mtr	RCC
T5	Anaerobic Digester	100	109	Ø 19 × 10 Mtr	MS Tank
T6	Aeration Tank	100	103.7	30 × 15 × 4.0 Mtr	RCC
T7	Tube Settler	100	103.1	15 × 10 × 3.4 Mtr	MS Tank
T8	Filter Feed Tank	99	102.0	4 × 10 × 3.3 Mtr	RCC
T9	Treated Water tank	99	102.0	6 × 17 × 3.3 Mtr	RCC
T10	Sludge Drying Beds	100	101.7	6 × 6 × 1.8 Mtr	RCC
PSF	Pressure Sand Filter	100	-	Ø 3200 × 1800	MS - Epoxy
ACF	Activated Carbon Filter	100	-	Ø 3200 × 1800	MS - Epoxy

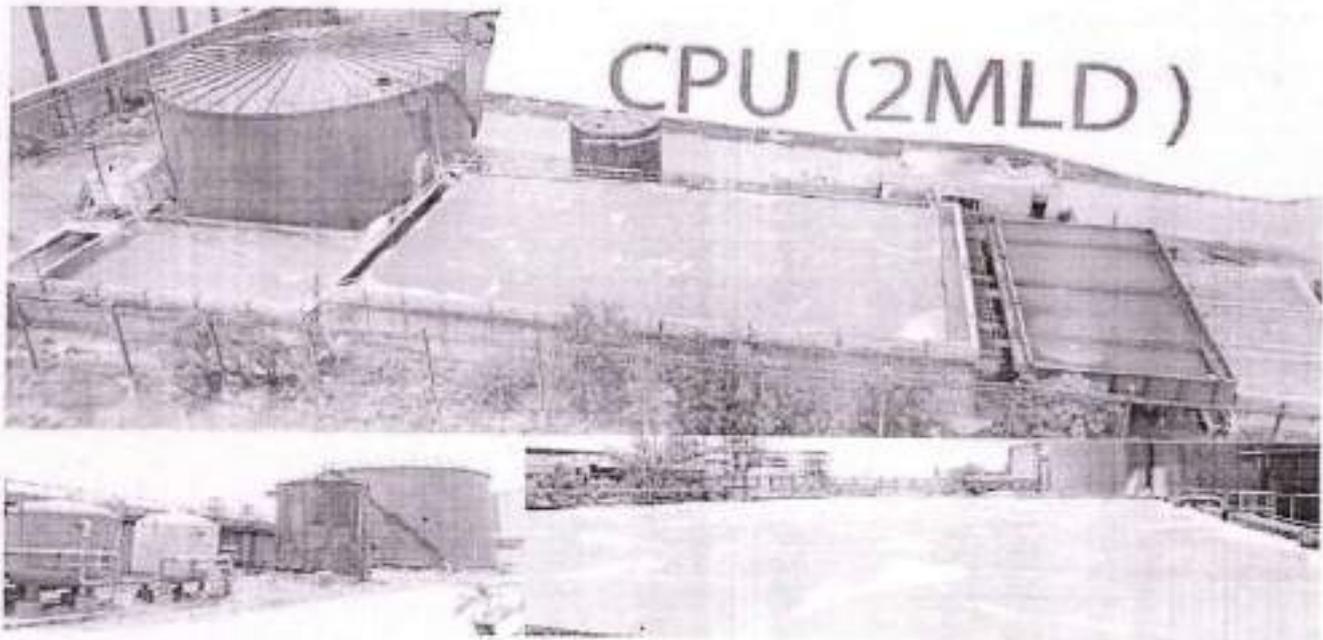


Image 9: CPU - 2 MLD

2.2.7. Effluent Treatment Plant (ETP)

Principle of Working

An Effluent Treatment Plant (ETP) in a sugar industry, often referred to as a Sugar ETP, is a crucial facility designed to treat the wastewater generated during various processes in a sugar mill or refinery. The sugar industry generates significant amounts of wastewater containing organic matter, suspended solids, and other pollutants. A well-designed ETP is essential to manage and treat this wastewater before it is discharged into the environment or reused within the facility.

Collection Tank

An Effluent Treatment Plant (ETP) collection tank is a key component within an ETP system used to treat wastewater generated by industrial processes before discharge or reuse. The primary purpose of an ETP collection tank is to collect, store, and provide initial treatment to the incoming wastewater before it undergoes further treatment processes.

Neutralisation Tank

A neutralization tank is a container or vessel used in water and wastewater treatment processes to adjust the pH of acidic or alkaline water to a neutral or acceptable level. The pH adjustment is achieved by adding appropriate chemicals, called neutralizing agents or pH adjusters, to the water in order to neutralize its acidity or alkalinity. Neutralization tanks are commonly used in various industries and municipal wastewater treatment facilities to ensure compliance with environmental regulations, prevent corrosion, and enable effective downstream treatment processes.

Primary Settling Tank

A primary settling tank, also known as a primary clarifier or sedimentation tank, is a key component in wastewater treatment plants. It's used to remove settle able suspended solids and certain organic matter from wastewater before further treatment processes take place. The primary settling tank works on the principle of gravity settling, allowing heavier particles to settle down to the bottom of the tank while clarified water flows out from the top.

Aeration Tank

An aeration tank is a core component of biological wastewater treatment systems, specifically in the activated sludge process. It provides an environment where aerobic microorganisms (bacteria and other microorganisms that require oxygen) can break down organic pollutants present in the wastewater. The aeration process introduces oxygen into the tank to support the growth and activity of these microorganisms.

Secondary Settling Tank

A secondary settling tank, also known as a secondary clarifier or sedimentation basin, is an important component in the biological wastewater treatment process. It follows the aeration tank in activated sludge or other similar biological treatment systems. The primary purpose of a secondary settling tank is to separate the treated wastewater, called mixed liquor, from the biomass (activated sludge) that was used to degrade organic matter in the aeration tank.

A filter feed tank is used to treat wastewater and remove impurities before discharge or reuse. The primary purpose of a filter feed tank is to receive, store, and provide uniform distribution of wastewater to filtration units or processes.

PSF & ACF

A Pressure Sand Filter (PSF) is a type of water treatment filter used to remove suspended solids, turbidity, and particulate matter from water. It consists of a tank filled with specially graded sand as the filtration media. The water is passed through the sand bed under pressure, which facilitates the removal of impurities. The working principle of a PSF involves the water flowing through the sand bed, where suspended particles get trapped in the void spaces between the sand particles. Over time, the accumulation of particles can clog the sand bed, reducing filtration efficiency. To address this, PSFs require periodic backwashing, during which the water flow is reversed to flush out the accumulated particles and restore the sand's filtration capacity.

An Activated Carbon Filter (ACF) is a filtration system that uses activated carbon as the filtration media. Activated carbon is a highly porous material with a large surface area, making it effective at adsorbing (not absorbing) various impurities from water, such as organic compounds, chlorine, tastes, odors, and some dissolved chemicals. In an ACF, water flows through a bed of activated carbon granules or blocks. As the water passes through the activated carbon, impurities adhere to the carbon's surface through adsorption. ACFs are commonly used in drinking water treatment, wastewater treatment, and industrial processes.

Treated Water Tank

A Treated water tank is used to store treated water for further reuse and distribution.

ETP Layout

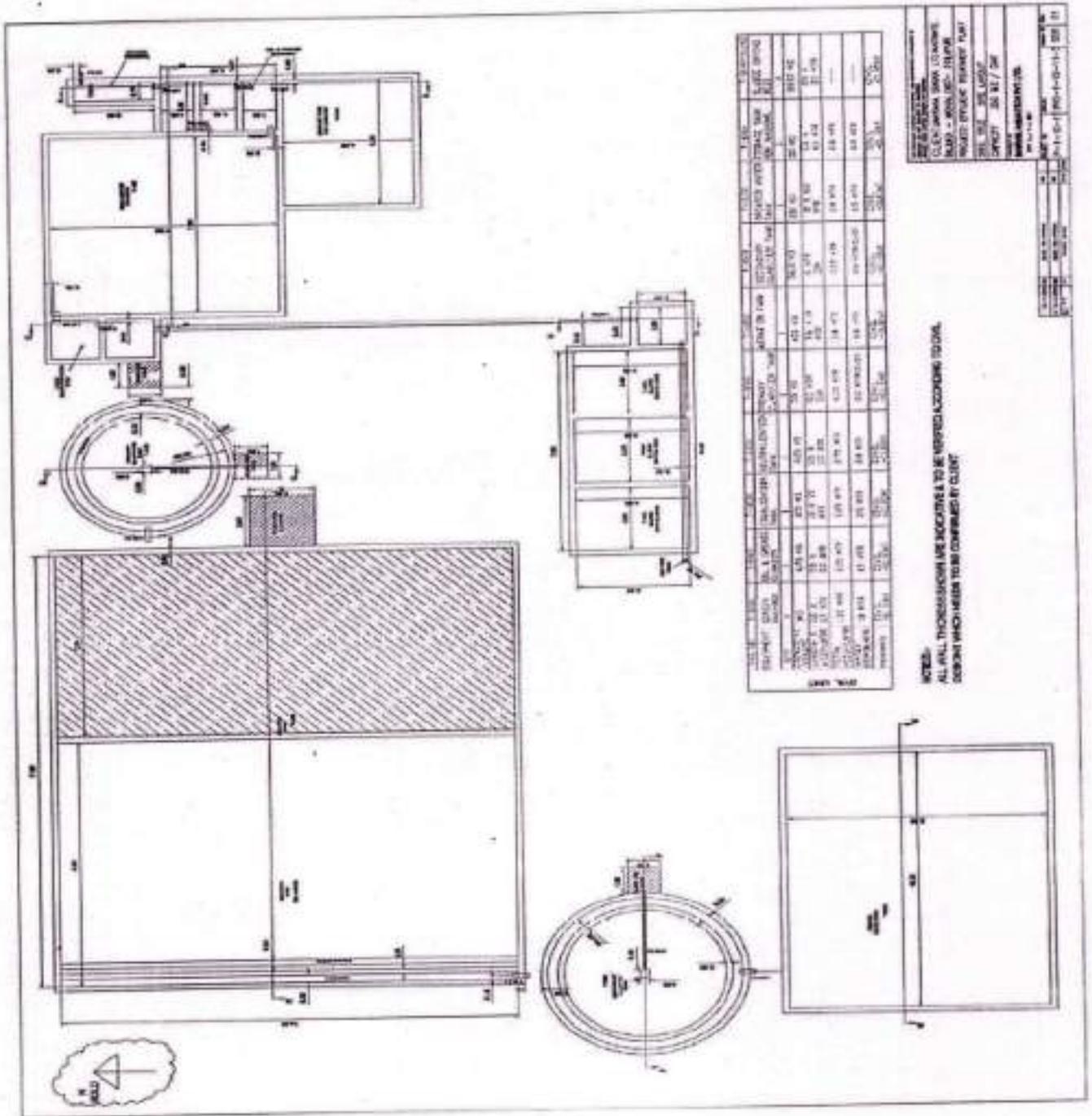


Figure 8 - ETP unit's arrangement layout

Dimensions Table*Table 7 - Dimensions of Effluent Treatment Plant (ETP)*

EQUIPMENT	CAPACITY/ VOLUME	LENGTH× WIDTH, MTR	TOTAL HEIGHT, MTR	WATER DEPTH, MTR
SCREEN CHAMBER	1M ³	2.5×0.7 MTR	1.35 MTR	1.0 MTR
OIL & GREASE CHAMBER	6.75 M ³	3.5×2.0 MTR	2.05 MTR	1.5 MTR
EQUALIZATION TANK,	175 M ³	10×7.0 MTR	3.25 MTR	2.5 MTR
NEUTRALIZATION TANK	4.05 M ³	1.5×1.5 MTR	2.75 MTR	2.0 MTR
PRIMARY CLARIFIER TANK	55 M ³	5.0 MTR DIA	4.35 MTR	2.8 MTR(SWD)
AERATION TANK	470M ³	9.6×14 MTR	3.8 MTR	3.5 MTR
SECONDARY CLARIFIER TANK	56.5 M ³	6 MTR DIA	3.25 MTR	2.0 MTR(SWD)
TREATED WATER TANK	200 M ³	10×8.0 MTR	2.8 MTR	2.5 MTR
STORAGE TANK FOR WASHING	50 M ³	5.0×4.0 MTR	2.8 MTR	2.5 MTR
SLUDGE DRYING BED	39.37 M ³	2.5×3.5 MTR	----	----

3. Adequacy Study of Air pollution Control equipment & Wastewater treatment plants

3.1. Unit wise Adequacy

3.1.1. Spent Wash Digester I & II

Digester I

Diameter: 28.3

Height: 17.047m

Feed Flow (Q): 500 m³/day

Feed COD (So): 100000 ppm

$$: 100000 \times 1000/1000000 = 100 \text{ kg COD/m}^3$$

Feed Bx: 12 Bx

COD Loading rate: 10 kg COD/m³ day

$$\begin{aligned} \text{Nominal Effective Liquid volume of UASBR } V_n &= \frac{Q \cdot S_o}{L \cdot r} \\ &= \frac{500 \times 100}{10} \\ &= 5000 \text{ m}^3 \end{aligned}$$

.... (Ref. Metcalf & Eddy, Wastewater Engineering Treatment and Reuse, 4th edition, McGraw Hill Education)

With 85% efficiency factor,

Required Liquid hold up volume: $5000/0.85 = 5882 \text{ m}^3$

Cross sectional Area required, considering 1.5 m/hr

$$A = 500 / (1.5 \times 24) = 13.8 \text{ m}^2$$

$$\begin{aligned} \text{Diameter required} &= \sqrt{\frac{13.8 \times 4}{\pi}} \\ &= 4.19 \text{ m} \end{aligned}$$

.... (Ref. Metcalf & Eddy, Wastewater Engineering Treatment and Reuse, 4th edition, McGraw Hill Education)

Provided reactor dimensions are more than required.

UASBR size is sufficient

Digester II

Diameter: 36 m

Height: 18 m

Feed Flow (Q): 720 m³/dayFeed COD (S₀): 120000 ppm

$$: 120000 \times 1000/1000000 = 120 \text{ kg COD/m}^3$$

Feed Bx: 12 Bx

COD Loading rate: 10 kg COD/m³ day

$$\begin{aligned} \text{Nominal Effective Liquid volume of UASBR } V_a &= \frac{Q S_0}{L_{ov} R} \\ &= \frac{720 \times 120}{10} \\ &= 8640 \text{ m}^3 \end{aligned}$$

With 85% efficiency factor,

.... (Ref. Metcalf & Eddy, Wastewater Engineering Treatment and Reuse, 4th edition, McGraw Hill Education)

Required Liquid hold up volume: $8640/0.85 = 10164 \text{ m}^3$

Cross sectional Area required, considering 1.5 m/hr

$$A = 770 / (1.5 \times 24) = 20 \text{ m}^2$$

$$\begin{aligned} \text{Diameter required} &= \sqrt{\frac{20 \times 4}{\pi}} \\ &= 5 \text{ m} \end{aligned}$$

Provided reactor dimensions are more than required.

UASBR II size is sufficient

3.1.2. Multiple Effect Evaporator I & II

Multiple Effect Evaporator (MEE) I

Feed Flow: 25 m³/hr

Feed Bx: 10

Outlet Bx: 40

No. of Calandria Tubes: 1100

Tube Height: 12 m

Tube Diameter: 48 mm

Solids coming to evaporator: $25000 \times 10 / 100 = 2500 \text{ Kg/hr}$

i.e water in inlet = 22500 kg/hr

40 Bx Concentrate coming out of Evaporator = $2500 / 0.4 = 6250 \text{ Kg/hr}$

i.e water in concentrate = 3750 kg/ hr

Therefore water to be evaporated = 18750 kg/hr

Heat required for evaporation = $mC_p \Delta T + m \lambda$

$$= (18750 \times 4.184 \times (85-25)) + (18750 \times 2260)$$

$$= 4707000 + 42375000 = 47082000 \text{ KJ/hr} = 13078 \text{ KJ/sec}$$

.... (Ref. Robert Ewald Treybal, Mass-Transfer Operations, McGraw Hill)

Surface Area of Single Tube = $(\pi \times 0.048 \times 12) = 1.8 \text{ m}^2$

Total Surface area available for heat exchange = $1.8 \times 1100 = 1980 \text{ m}^2$

Considering LMTD for Steam in temp 100 °C to out temp 90 °C and Feed 25 °C to 85 °C

LMTD: 34 °C

For calculating Heating Surface area required: $Q = U A L M \Delta T$

$$A = Q / (U L M \Delta T)$$

$$= 13078000 / (200 \times 34)$$

$$= 1923 \text{ m}^2$$

.... (Ref. Robert Ewald Treybal, Mass-Transfer Operations, McGraw Hill)

Total Provided Tube surface area and calculated heat exchange surface area is nearly equal hence MEE supplied is adequate

Multiple Effect Evaporator (MEE) IIFeed Flow: 20 m³/hr

Feed Bx: 10

Outlet Bx: 40

No. of Calandria Tubes: 1424

Tube Height: 12 m

Tube Diameter: 48 mm

Solids coming to evaporator: $20000 \times 10 / 100 = 2000 \text{ Kg/hr}$

i.e water in inlet = 18000 kg/hr

40 Bx Concentrate coming out of Evaporator = $2000 / 0.4 = 5000 \text{ Kg/hr}$

i.e water in concentrate = 3000 kg/hr

Therefore water to be evaporated = 15000 kg/hr

Heat required for evaporation = $mC_p dT + m \lambda$

$$= (15000 \times 4.184 \times (85-25)) + (15000 \times 2260)$$

$$= 3765600 + 33900000 = 37665600 \text{ KJ/hr} = 10462 \text{ KJ/sec}$$

.... (Ref. Robert Ewald Treybal, Mass-Transfer Operations, McGraw Hill)

Surface Area of Single Tube = $(\pi \times 0.048 \times 12) = 1.8 \text{ m}^2$ Total Surface area available for heat exchange = $1.8 \times 1424 = 2563 \text{ m}^2$

Considering LMTD for Steam in temp 100 °C to out Temp 90 °C and Feed 25 °C to 85 °C

LMTD: 34 °C

For calculating Heating Surface area required: $Q = UA \text{ LMdT}$

$$A = Q / (U \text{ LMdT})$$

$$= 10462000 / (200 \times 34)$$

$$= 1538 \text{ m}^2$$

.... (Ref. Robert Ewald Treybal, Mass-Transfer Operations, McGraw Hill)

Total Provided Tube surface area is excess than calculated heat exchange surface area, hence MEE supplied is adequate

3.1.3. Dryer I & II

Spray Dryer Performance

Capacity :	9 m ³	6 m ³
Feed Rate :	9600 kg/hr	6000 kg/hr
TDS in Feed :	45%	45%
Output from Spray Dryer :	4547 kg/hr at 5% moisture (w/w)	3120 kg/hr at 5% moisture (w/w)
Water Evaporation :	5053 kg/hr by design at 240 °C inlet and 110 °C outlet	2880 kg/hr by design at 240 °C inlet and 110 °C outlet

Above performance parameters are adequate as per discharge quantities

3.1.4. Wet Scrubber

Consideration:

Flowrate of Water Q_L : 130 m³/hr (Calculated on basis of 6" water transfer line, considering velocity of 2m/sec)

Flowrate of Gas Q_G : 122400 m³/hr (Provided by client, ID fan Details)

$$Q_L / Q_G = 130/122400 = 0.001$$

Surface Tension of Liquid σ : 72 dyne/cm

Viscosity of Liquid μ_L : 1 cp = 0.01 poise

$f = 0.5$ (empirical factor for hydrophilic particles.)

Velocity of gas, $V_g = 485$ m/sec = 48500 cm/sec (Calculated on basis of 300mm line, considering ID fan details)

Particle removal efficiency adequacy:

$$\begin{aligned} \text{Mean droplet diameter } d_c &= \left(\frac{58600}{V_g} \right) \times \left(\frac{\sigma}{\rho_L} \right)^{0.5} + 597 \left(\frac{\mu_L}{(\sigma \rho_L)^{0.5}} \right)^{0.45} \times \left(1000 \frac{Q_L}{Q_G} \right)^{1.5} \\ &\dots\dots\dots (\text{Ref. Nakiyama Tanigawa relationship (1938)}) \\ &= \left(\frac{58600}{48500} \right) \times \left(\frac{72}{1} \right)^{0.5} + 597 \left(\frac{0.01}{(72 \times 1)^{0.5}} \right)^{0.45} \times \left(1000 \frac{130}{122400} \right)^{1.5} \\ &= 41.68 \mu\text{m} \end{aligned}$$

$$\begin{aligned} \text{Inertial impaction parameter } K_p &= \frac{\rho_p V_g^2 d_c^2}{9 \mu_g d} \dots\dots\dots (\text{Ref. Calvert impaction parameter}) \\ &= 71.82 \end{aligned}$$

$$\begin{aligned} \text{Particle penetration } P_{10} &= e^{\left(\frac{Q_L \rho_L d_c^2}{50 Q_G \mu_L} \left[-0.7 - K_p f + 1.4 \ln \left(\frac{K_p f + 0.7}{0.7} \right) + \left(\frac{0.49}{0.7 + K_p f} \right) \right] \right) \left(\frac{1}{K_p} \right)} \dots\dots\dots (\text{Ref. Calvert et al. 1972}) \\ &= 0.00015 \end{aligned}$$

The scrubber will capture $(1-0.00015) \times 100 = 99.98\%$ of 1 μm particles.

This design dimensions of scrubber is sufficient.

3.1.5. Condensate Polishing Unit (CPU)

Bar Screen

Daily Flow: 1600 m³/ day

Average Hourly Flow: 1600/24 = 66.66 m³/hr

Peak hourly flow: 3 X 70 = 200 m³/hr

$$= 200/3600 \text{ m}^3/\text{sec}$$

$$= 0.055 \text{ m}^3/\text{sec}$$

Design Optimal Velocity Required: 0.3 m/sec

.... (Ref. Seán Moran, *An Applied Guide to Water and Effluent Treatment Plant Design*, Elsevier, ISBN 978-0-12-811309-7)

Cross sectional area of screening: 0.055/0.3 = 0.185 m²

Cross sectional area of bar screen including rods on screen = 0.194 X 2 = 0.370 m²

Size of Bar Screen req. (minimum dimensions) = 0.7 m X 0.7 m

Current Bar Screen Chamber is sufficient which is 1.5 X 1.5 X 1.5 m

pH Correction Tank

Volume of tank = 7 X 2.7 X 3.45 m = 65.2 m³

Retention time of Tank = 65.2/66.66 = 0.97 hr = 58 mins

Standard retention time required for mixing is 30 mins

.... (Ref. Seán Moran, *An Applied Guide to Water and Effluent Treatment Plant Design*, Elsevier, ISBN 978-0-12-811309-7)

Tank volume is Sufficient for mixing

Collection Tank (17 X 8 X 3.45m)

Collection Tank Volume: 469 m³

Daily Flow: 1600 m³/ day

Average Hourly Flow: 1600/24 = 66.66 m³/hr

Six Hourly Hold up volume = 66.66 X 6 = 400 m³

.... (Ref. Seán Moran, *An Applied Guide to Water and Effluent Treatment Plant Design*, Elsevier, ISBN 978-0-12-811309-7)

Total Tank Volume is Sufficient

Anaerobic Digester (Ø 19 X 10 m)

$$\text{Digester Volume} = ((\pi \times 19^2)/4) \times 10 = 2833 \text{ m}^3$$

$$\text{Retention time of Digester} = 2833/66.66 = 42.5 \text{ hr}$$

Considering Up flow velocity 0.9 m/hr for keeping sludge suspension

.... (Ref. Seán Moran, *An Applied Guide to Water and Effluent Treatment Plant Design*, Elsevier, ISBN 978-0-12-811309-7)

$$\text{Area required for UASBR} = 66.66/0.9 = 74 \text{ m}^2$$

$$\text{Required Diameter of UASBR} = \sqrt{(74 \times 4/\pi)} = 9.7 \text{ m}$$

Design Diameter & Height is sufficient

$$\text{Inlet COD to Digester} = 3000 \text{ ppm}$$

$$\text{Required loading rates of COD} = 10 - 95 \text{ kg COD/m}^2/\text{day}$$

$$\text{Loading rate of COD} = (3000 \times 1000 \times 24)/1000000 = 72 \text{ kg COD/m}^2/\text{day}$$

Considering 70% reduction in digester

.... (Ref. Seán Moran, *An Applied Guide to Water and Effluent Treatment Plant Design*, Elsevier, ISBN 978-0-12-811309-7)

Designed loading rate is adequate for COD reduction

Aerobic Tank (30 m X 15 m X 4 m)

$$\text{Aeration Tank Volume: } 1800 \text{ m}^3$$

$$\text{Daily Flow: } 1600 \text{ m}^3/\text{day}$$

$$\text{Average Hourly Flow: } 1600/24 = 66.66 \text{ m}^3/\text{hr}$$

$$\text{BOD of influent to aeration tank: } 800 \text{ mg/lit}$$

$$\text{BOD/day: } 800 \times 1600000 / 1000000 = 1280 \text{ kg/day}$$

$$\text{MLSS with F/M 0.3: } 1280/0.3 = 4266 \text{ kg}$$

.... (Ref. Seán Moran, *An Applied Guide to Water and Effluent Treatment Plant Design*, Elsevier, ISBN 978-0-12-811309-7)

.... (Ref. Metcalf & Eddy, *Wastewater Engineering Treatment and Reuse*, 4th edition, McGraw Hill Education)

For 3000 ppm MLSS consideration,

$$\text{Tank volume required: } 4266 \times 10^6 / 3000 = 1422 \text{ m}^3$$

Tank volume is adequate

Air Requirement

BOD/day = 1280 kg/day

BOD/hr = $1280/24 = 53.33$ kg/hr

Air Requirement = $53.33 \times 60 = 3200$ m³/hr

.... (Ref. Seán Moran, *An Applied Guide to Water and Effluent Treatment Plant Design*, Elsevier, ISBN 978-0-12-811309-7)

.... (Ref. Metcalf & Eddy, *Wastewater Engineering Treatment and Reuse*, 4th edition, McGraw Hill Education)

Considering Capacity of air diffuser = 10 m³/hr

No. Of diffusers required = $3200/10 = 320$ qty

Diffusers are sufficient as per requirement

Tube Settler Tank (15 m X 10 m X 3.45 m Height)

Tube Settler Tank Volume: 517.5 m³

Average Hourly Flow: 66.66 m³/hr

Retention Time: $517.5/66.66 = 7.76$ hr

Considering Surface overflow rate (SOR): 2 m/hr

.... (Ref. Seán Moran, *An Applied Guide to Water and Effluent Treatment Plant Design*, Elsevier, ISBN 978-0-12-811309-7)

Area of tank required: $66.66/2 = 33.33$ m²

Designed available area of tank: $15 \times 10 = 150$ m²

Overflow is from two sides,

Designed actual available area of tank for overflow = $150/2 = 75$ m²

Designed area is greater than required area. Tube Settler size is sufficient

Filter Feed Tank (4 X 10 X 3.3 m)

Volume of Filter Feed Tank: 132 m³

Retention Time: $132/66.66 = 1.98$ Hrs

Tank volume is sufficient. Current treated tank will be utilised as Filter Feed Tank

PRESSURE SAND FILTER

Average Hourly Flowrate: 66.66 m³/hr

Considering loading rate for filtration: 12 m³/hr/m²

.... (Ref. Seán Moran, *An Applied Guide to Water and Effluent Treatment Plant Design*, Elsevier, ISBN 978-0-12-811309-7)

Filtration Vessel Cross sectional area required: 66.66/12 = 5.55 m²

Filtration Vessel Diameter Required: $\sqrt{(5.55 \times 4 / \pi)} = 2.66$ m

Designed Vessel Diameter: 2.66 m

Media Depth required: 1.5 m

.... (Ref. Seán Moran, *An Applied Guide to Water and Effluent Treatment Plant Design*, Elsevier, ISBN 978-0-12-811309-7)

Height of Vessel Designed: 1.8 m

Pressure vessel dimensions are sufficient for filtration

ACTIVATED CARBON FILTER

Average Hourly Flowrate: 66.66 m³/hr

Considering loading rate for filtration: 12 m³/hr/m²

.... (Ref. Seán Moran, *An Applied Guide to Water and Effluent Treatment Plant Design*, Elsevier, ISBN 978-0-12-811309-7)

Filtration Vessel Cross sectional area required: 66.66/12 = 5.55 m²

Filtration Vessel Diameter Required: $\sqrt{(5.55 \times 4 / \pi)} = 2.66$ m

Designed Vessel Diameter: 2.66 m

Media Depth required: 1.5 m

.... (Ref. Seán Moran, *An Applied Guide to Water and Effluent Treatment Plant Design*, Elsevier, ISBN 978-0-12-811309-7)

Height of Vessel Designed: 1.8 m

Activated Carbon Vessel dimensions are sufficient for filtration

Treated Water Tank (6 X 17 X 3.3 m)

Treated water tank volume: 336.6 m³

Hold up time: 336.6/66.66 = 5 hrs

Treated water tank volume is sufficient

3.1.6. Effluent Treatment Plant (ETP)

Bar Screen

Daily Flow: 350 m³/day

Average Hourly Flow: 350/24 = 14.58 m³/hr

Peak hourly flow: 3 X 14.58 = 43.75 m³/hr

$$= 43.75/3600 \text{ m}^3/\text{sec} = 0.0121 \text{ m}^3/\text{sec}$$

Design Optimal Velocity Required: 0.3 m/sec

.... (Ref. Seán Moran, *An Applied Guide to Water and Effluent Treatment Plant Design*, Elsevier, 978-0-12-811309-7)

.... (Ref. Metcalf & Eddy, *Wastewater Engineering Treatment and Reuse*, 4th edition, McGraw Hill Education)

Cross sectional area of screening: 0.0121/0.3 = 0.04 m²

Cross sectional area of bar screen including rods on screen = 0.04 X 2 = 0.08 m²

Size of Bar Screen req. (minimum dimensions) = 0.3 m X 0.3 m

Current Bar Screen Chamber is sufficient, which is 2.5 X 0.7 X 1 m

Oil & Grease Chamber (3.5 X 2 X 1.5m)

Volume of O&G Chamber: 6.75 m³

Hydraulic Retention time: 6.75/ 14.58 = 0.46 hr

Required HRT for O&G is 30 mins

.... (Ref. Seán Moran, *An Applied Guide to Water and Effluent Treatment Plant Design*, Elsevier, 978-0-12-811309-7)

.... (Ref. Metcalf & Eddy, *Wastewater Engineering Treatment and Reuse*, 4th edition, McGraw Hill Education)

O&G Chamber volume is sufficient

Equalisation Tank (10 X 7 X 2.5m)

Collection Tank Volume: 175 m³

Daily Flow: 350 m³/day

Average Hourly Flow: 350/24 = 14.58 m³/hr

Six Hourly Hold up volume = 14.58 X 6 = 87.48 m³

.... (Ref. Metcalf & Eddy, *Wastewater Engineering Treatment and Reuse*, 4th edition, McGraw Hill Education)

Tank Volume is Sufficient

Neutralisation Tank

Volume of tank = $1.5 \times 1.5 \times 2 \text{ m} = 4.05 \text{ m}^3$

Retention time of Tank = $4.05/14.58 = 0.28 \text{ hr} = 16 \text{ mins}$

Standard retention time required for mixing is 10 mins

.... (Ref. Seán Moran, *An Applied Guide to Water and Effluent Treatment Plant Design*, Elsevier, 978-0-12-811309-7)

Tank volume is sufficient

Primary Clarifier Tank (Ø 5 X 2.8 m)

Volume of Clarifier = $((\pi \times 5^2)/4) \times 2.8 = 55 \text{ m}^3$

Average Hourly Flow: $14.58 \text{ m}^3/\text{hr}$

Retention Time: $55/14.58 = 3.77 \text{ hr}$

Considering Surface overflow rate (SOR): $2 \text{ m}^3/\text{hr}$

.... (Ref. Seán Moran, *An Applied Guide to Water and Effluent Treatment Plant Design*, Elsevier, 978-0-12-811309-7)

Area of tank required: $14.58/2 = 7.29 \text{ m}^2$

Designed available area of tank: $((\pi \times 5^2)/4) = 19.62 \text{ m}^2$

Designed area is greater than required area, primary clarifier tank is sufficient

Aerobic Tank (14 m X 9.6 m X 3.5 m)

Aeration Tank Volume: 470 m^3

Daily Flow: $350 \text{ m}^3/\text{day}$

Average Hourly Flow: $350/24 = 14.58 \text{ m}^3/\text{hr}$

BOD of influent: $2500 \text{ mg}/\text{lit}$

BOD after Primary clarifier: $1200 \text{ mg}/\text{lit}$

.... (Ref. Metcalf & Eddy, *Wastewater Engineering Treatment and Reuse*, 4th edition, McGraw Hill Education)

BOD/day: $1200 \times 350000 / 1000000 = 420 \text{ kg}/\text{day}$

F/M ratio: 0.3

.... (Ref. Metcalf & Eddy, *Wastewater Engineering Treatment and Reuse*, 4th edition, McGraw Hill Education)

MLSS: $420/0.3 = 1400 \text{ kg}$

For 3000 ppm MLSS consideration,

Tank volume required: $1400 \times 10^3 / 3000 = 466 \text{ m}^3$

Tank volume is adequate

Air Requirement

$$\text{BOD/day} = 420 \text{ kg/day}$$

$$\text{BOD/hr} = 420/24 = 17.5 \text{ kg/hr}$$

$$\text{Air Requirement} = 17.5 \times 60 = 1050 \text{ m}^3/\text{hr}$$

.... (Ref. Metcalf & Eddy, Wastewater Engineering Treatment and Reuse, 4th edition, McGraw Hill Education)

$$\text{Considering Capacity of air diffuser} = 10 \text{ m}^3/\text{hr}$$

$$\text{No. Of diffusers required} = 1050/10 = 105 \text{ qty}$$

Diffusers are sufficient

Secondary Clarifier Tank ($\text{Ø } 6 \times 2.0 \text{ m}$)

$$\text{Volume of Clarifier} = ((\pi \times 6^2)/4) \times 2.0 = 56.5 \text{ m}^3$$

$$\text{Average Hourly Flow: } 14.58 \text{ m}^3/\text{hr}$$

$$\text{Retention Time: } 56.5/14.58 = 3.88 \text{ hr}$$

$$\text{Considering Surface overflow rate (SOR): } 2 \text{ m/hr}$$

.... (Ref. Seán Moran, An Applied Guide to Water and Effluent Treatment Plant Design, Elsevier, 978-0-12-811309-7)

$$\text{Area of tank required, } 14.58/2 = 7.29 \text{ m}^2$$

$$\text{Designed available area of tank: } ((\pi \times 6^2)/4) = 28.26 \text{ m}^2$$

Designed area is greater than required area, primary clarifier tank is sufficient

PRESSURE SAND FILTER

$$\text{Average Hourly Flowrate: } 14.58 \text{ m}^3/\text{hr}$$

$$\text{Considering loading rate for filtration: } 12 \text{ m}^3/\text{hr}/\text{m}^2$$

.... (Ref. Seán Moran, An Applied Guide to Water and Effluent Treatment Plant Design, Elsevier, 978-0-12-811309-7)

.... (Ref. Metcalf & Eddy, Wastewater Engineering Treatment and Reuse, 4th edition, McGraw Hill Education)

$$\text{Filtration Vessel Cross sectional area required: } 14.58/12 = 1.215 \text{ m}^2$$

$$\text{Filtration Vessel Diameter Required: } \sqrt{(1.215 \times 4 / \pi)} = 1.24 \text{ m}$$

$$\text{Media Depth required: } 1-1.5 \text{ m}$$

.... (Ref. Metcalf & Eddy, Wastewater Engineering Treatment and Reuse, 4th edition, McGraw Hill Education)

$$\text{Height of Vessel required: } 1.8 \text{ m}$$

Adequate Pressure sand filter provided

ACTIVATED CARBON FILTERAverage Hourly Flowrate: 14.58 m³/hrConsidering loading rate for filtration: 12 m³/hr/m²*.... (Ref. Seán Moran, An Applied Guide to Water and Effluent Treatment Plant Design, Elsevier, 978-0-12-811309-7)**(Ref. Metcalf & Eddy, Wastewater Engineering Treatment and Reuse, 4th edition, McGraw Hill Education)*Filtration Vessel Cross sectional area required: 14.58/12 = 1.215 m²Filtration Vessel Diameter Required: $\sqrt{(1.215 \times 4 / \pi)} = 1.24$ m

Media Depth required: 1-1.5 m

.... (Ref. Metcalf & Eddy, Wastewater Engineering Treatment and Reuse, 4th edition, McGraw Hill Education)

Height of Vessel required: 1.8 m

Adequate Activated Carbon Filter Provided**Treated Water Tank (10 X 8 X 3.5 m)**Treated water tank volume: 280 m³

Hold up time: 280/14.58 = 19.2 hrs

Treated water tank Volume is Sufficient

4. Regulatory Compliance Chart

Ambient Air Quality Standards

Table 8 - CPCB Ambient Air Quality Standards 2009.

Sr. No.	Pollutant	Limit	
		Annual	24 Hours
1	Sulphur Dioxide (SO ₂), µg/m ³	≤ 30	≤ 30
2	Nitrogen Dioxide (NO ₂), µg/m ³	≤ 40	≤ 30
3	Particulate Matter (Size less than 10µm) or PM ₁₀ , µg/m ³	≤ 60	≤ 100
4	Particulate Matter (Size less than 2.5 µm) or PM _{2.5} , µg/m ³	≤ 40 08 Hours	≤ 60 01 Hours
5	Ozone (O ₃), µg/m ³	≤ 100 08 Hours	≤ 180 24 Hours
6	Lead (Pb), µg/m ³	≤ 0.5 08 Hours	≤ 1.0 01 Hours
7	Carbon Monoxide(CO), mg/m ³	≤ 02 Annual	≤ 04 24 Hours
8	Ammonia (NH ₃), µg/m ³	≤ 100	≤ 400
9	Benzene (C ₆ H ₆), µg/m ³		Annual ≤ 05
10	Benzo(a)Pyrene (BaP) Particulate phase only, ng/m ³		< 01
11	Arsenic (As), ng/m ³		≤ 06
12	Nickel (Ni), ng/m ³		< 20

Treated Effluent Quality Standards

Table 9 - Treated Effluent Quality Standards as per MPCB Consent

Sr. No.	Pollutant	Limit
1	pH	5.5-9.0
2	Total Dissolved Solids (TDS)	2100
3	Total Suspended Solids (TSS)	100
4	Biological Oxygen Demand (BOD)	100
5	Chemical Oxygen Demand (BOD)	250
6	Chlorides (Cl ⁻)	600
7	Sulphates (SO ₄)	1000
8	Oil and Grease (O & G)	10

Note: All parameters in mg/lit except pH

Stack Emission Standards

Table 10 - Stack Emission Standards.

Sr. No.	Pollutant	Limit
1	Particulate Matter (TPM)	150 mg/Nm ³
2	Sulphur Dioxide (SO ₂)	3360 kg/day

5. Conclusion

Below is the Adequacy Chart for each equipment/ Unit across plants

Table 10 - Adequacy Chart

Sr. No.	Equipment	Volumetric Adequacy	Quantitative Treatability	Remark
1	Spent Wash Digestor I	✓	✓	Adequate
2	Spent Wash Digestor II	✓	✓	Adequate
3	Multi Effect Evaporator I	✓	✓	Adequate
4	Multi Effect Evaporator II	✓	✓	Adequate
5	Dryer	✓	✓	Adequate
6	Wet Scrubber I	✓	✓	Adequate
7	Wet Scrubber II	✓	✓	Adequate
8	Cyclone	✓	✓	Adequate
9	CPU	✓	✓	Adequate
10	ETP	✓	✓	Adequate

6. Recommendations:

1. For decentralization of sewage two STPs of capacity 5 KLD each should be installed at industry and residential location.
2. Rotary Particulate Collector (RPC) should be installed before wet scrubber.


GREEN ENVIROSAFE

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* Recognized by Ministry of Environment and Forests, Ministry of Central Pollution Control Board Govt. of India (CPCB) and ISO/IEC 17025:2017 (NASL) ISO 9001:2015, ISO 45001:2018 and ISO 14001:2015 Certified Company

TEST REPORT			
Test Report No: GESEC/PPO/WW/2023/14/07/938	Report Date	04/08/2023	
Sample ID: GESEC/PPO/WW/2023/14/07/938	Sample Detail	CPU inlet	
Name & Address of the Customer: M/s. Jakkaya Sugar Ltd., A/P-Watwata, Tal-Mohol, Dist-Solapur, Maharashtra.	Type of Sample	Waste Water	
	Volume Of Sample	1 lit plastic bottle	
	Sample Status	Sealed	
	Sample Collected By	GESEC	
	Date of Sample Collection	28/07/2023	
	Sample Receipt Date	29/07/2023	
	Analysis start Date	31/07/2023	
	Analysis end date	04/08/2023	
Parameters	Results	Unit	Standard Method
pH	4.54	-	APHA 4500-H ₊ B 23rd Edition, 2017
Suspended Solids (SS)	114.71	mg/lit	APHA 2540 D 23 rd ED, 2017
Total Dissolved Solids (TDS)	7719.57	mg/lit	APHA 2540.C 23rd Edition, 2017
Chemical Oxygen Demand (COD)	3219.21	mg/lit	IS 3025 (Part 5B) , 2019
Biochemical Oxygen Demand (BOD)	1402.95	mg/lit	IS 3025 (Part 4A), 2019
Chlorides as Cl	562.96	mg/lit	IS 3025 (Part 3A), 2019
Sulphates as SO ₄ ²⁻	362.34	mg/lit	APHA 4500-Cl ₂ B, 23 rd Edition, 2017
Oil & Grease	12.05	mg/lit	APHA 3025 (Part 2A) :2019
			
			 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By

END OF REPORT

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Annexure-III

Maharashtra Pollution Control Board



Site Name: Jakraya Sugar Ltd. (Sugar)

Report: Real Time Report

From Date: 2023-12-10 11:00 To Date: 2023-12-25 05:15

Description	Stack_1_Boiler_1-PM(mg/Nm3)
Prescribed Standards	0 -
Maximum Data	150.0
Minimum Data	16.71
Geometric Mean	132.75
Median	140.42
Standard Deviation	25.94
Maximum Value At Time	2023-12-12 18:00:00
Minimum Value At Time	2023-12-13 14:45:00
Valid Data Points	1094
Total Data Points	1418
Data Availability %	77.15%

Sl No	Time	Stack I Boiler 1-PM(mg/Nm3)
1	2023-12-10 11:00:00	NA
2	2023-12-10 11:15:00	NA
3	2023-12-10 11:30:00	NA
4	2023-12-10 11:45:00	NA
5	2023-12-10 12:00:00	NA
6	2023-12-10 12:15:00	NA
7	2023-12-10 12:30:00	NA
8	2023-12-10 12:45:00	NA
9	2023-12-10 13:00:00	NA
10	2023-12-10 13:15:00	NA
11	2023-12-10 13:30:00	NA
12	2023-12-10 13:45:00	NA
13	2023-12-10 14:00:00	NA
14	2023-12-10 14:15:00	NA
15	2023-12-10 14:30:00	NA
16	2023-12-10 14:45:00	NA
17	2023-12-10 15:00:00	NA
18	2023-12-10 15:15:00	NA
19	2023-12-10 15:30:00	NA
20	2023-12-10 15:45:00	NA
21	2023-12-10 16:00:00	NA
22	2023-12-10 16:15:00	NA
23	2023-12-10 16:30:00	NA
24	2023-12-10 16:45:00	NA
25	2023-12-10 17:00:00	NA
26	2023-12-10 17:15:00	NA

Sl No	Time	Stack_boller_1-PM(mg/Nm3)
27	2023-12-10 17:30:00	NA
28	2023-12-10 17:45:00	NA
29	2023-12-10 18:00:00	NA
30	2023-12-10 18:15:00	NA
31	2023-12-10 18:30:00	NA
32	2023-12-10 18:45:00	NA
33	2023-12-10 19:00:00	NA
34	2023-12-10 19:15:00	NA
35	2023-12-10 19:30:00	NA
36	2023-12-10 19:45:00	NA
37	2023-12-10 20:00:00	NA
38	2023-12-10 20:15:00	NA
39	2023-12-10 20:30:00	NA
40	2023-12-10 20:45:00	NA
41	2023-12-10 21:00:00	NA
42	2023-12-10 21:15:00	NA
43	2023-12-10 21:30:00	NA
44	2023-12-10 21:45:00	NA
45	2023-12-10 22:00:00	NA
46	2023-12-10 22:15:00	NA
47	2023-12-10 22:30:00	NA
48	2023-12-10 22:45:00	NA
49	2023-12-10 23:00:00	NA
50	2023-12-10 23:15:00	NA
51	2023-12-10 23:30:00	NA
52	2023-12-10 23:45:00	NA
53	2023-12-11 00:00:00	NA
54	2023-12-11 00:15:00	NA
55	2023-12-11 00:30:00	NA
56	2023-12-11 00:45:00	NA
57	2023-12-11 01:00:00	NA
58	2023-12-11 01:15:00	NA
59	2023-12-11 01:30:00	NA
60	2023-12-11 01:45:00	NA
61	2023-12-11 02:00:00	NA
62	2023-12-11 02:15:00	NA
63	2023-12-11 02:30:00	NA
64	2023-12-11 02:45:00	NA
65	2023-12-11 03:00:00	NA
66	2023-12-11 03:15:00	NA
67	2023-12-11 03:30:00	NA
68	2023-12-11 03:45:00	NA
69	2023-12-11 04:00:00	NA
70	2023-12-11 04:15:00	NA
71	2023-12-11 04:30:00	NA

Sl No	Time	Stack_1_Boller_1-PM(mg/Nm3)
72	2023-12-11 04:45:00	NA
73	2023-12-11 05:00:00	NA
74	2023-12-11 05:15:00	NA
75	2023-12-11 05:30:00	NA
76	2023-12-11 05:45:00	NA
77	2023-12-11 06:00:00	NA
78	2023-12-11 06:15:00	NA
79	2023-12-11 06:30:00	NA
80	2023-12-11 06:45:00	NA
81	2023-12-11 07:00:00	NA
82	2023-12-11 07:15:00	NA
83	2023-12-11 07:30:00	NA
84	2023-12-11 07:45:00	NA
85	2023-12-11 08:00:00	NA
86	2023-12-11 08:15:00	NA
87	2023-12-11 08:30:00	NA
88	2023-12-11 08:45:00	NA
89	2023-12-11 09:00:00	NA
90	2023-12-11 09:15:00	NA
91	2023-12-11 09:30:00	NA
92	2023-12-11 09:45:00	NA
93	2023-12-11 10:00:00	NA
94	2023-12-11 10:15:00	NA
95	2023-12-11 10:30:00	NA
96	2023-12-11 10:45:00	NA
97	2023-12-11 11:00:00	NA
98	2023-12-11 11:15:00	NA
99	2023-12-11 11:30:00	NA
100	2023-12-11 11:45:00	NA
101	2023-12-11 12:00:00	NA
102	2023-12-11 12:15:00	NA
103	2023-12-11 12:30:00	NA
104	2023-12-11 12:45:00	NA
105	2023-12-11 13:00:00	NA
106	2023-12-11 13:15:00	NA
107	2023-12-11 13:30:00	NA
108	2023-12-11 13:45:00	NA
109	2023-12-11 14:00:00	NA
110	2023-12-11 14:15:00	NA
111	2023-12-11 14:30:00	NA
112	2023-12-11 14:45:00	NA
113	2023-12-11 15:00:00	NA
114	2023-12-11 15:15:00	NA
115	2023-12-11 15:30:00	NA

Sl No	Time	Stack_1_Boller_1-PM(mg/Nm3)
116	2023-12-11 15:45:00	NA
117	2023-12-11 16:00:00	NA
118	2023-12-11 16:15:00	NA
119	2023-12-11 16:30:00	NA
120	2023-12-11 16:45:00	NA
121	2023-12-11 17:00:00	NA
122	2023-12-11 17:15:00	NA
123	2023-12-11 17:30:00	NA
124	2023-12-11 17:45:00	NA
125	2023-12-11 18:00:00	NA
126	2023-12-11 18:15:00	NA
127	2023-12-11 18:30:00	NA
128	2023-12-11 18:45:00	NA
129	2023-12-11 19:00:00	NA
130	2023-12-11 19:15:00	NA
131	2023-12-11 19:30:00	NA
132	2023-12-11 19:45:00	NA
133	2023-12-11 20:00:00	NA
134	2023-12-11 20:15:00	NA
135	2023-12-11 20:30:00	NA
136	2023-12-11 20:45:00	NA
137	2023-12-11 21:00:00	NA
138	2023-12-11 21:15:00	NA
139	2023-12-11 21:30:00	NA
140	2023-12-11 21:45:00	NA
141	2023-12-11 22:00:00	NA
142	2023-12-11 22:15:00	NA
143	2023-12-11 22:30:00	NA
144	2023-12-11 22:45:00	NA
145	2023-12-11 23:00:00	NA
146	2023-12-11 23:15:00	NA
147	2023-12-11 23:30:00	NA
148	2023-12-11 23:45:00	NA
149	2023-12-12 00:00:00	NA
150	2023-12-12 00:15:00	NA
151	2023-12-12 00:30:00	NA
152	2023-12-12 00:45:00	NA
153	2023-12-12 01:00:00	NA
154	2023-12-12 01:15:00	NA
155	2023-12-12 01:30:00	NA
156	2023-12-12 01:45:00	NA
157	2023-12-12 02:00:00	NA
158	2023-12-12 02:15:00	NA
159	2023-12-12 02:30:00	NA

Sf No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
160	2023-12-12 02:45:00	NA
161	2023-12-12 03:00:00	NA
162	2023-12-12 03:15:00	NA
163	2023-12-12 03:30:00	NA
164	2023-12-12 03:45:00	NA
165	2023-12-12 04:00:00	NA
166	2023-12-12 04:15:00	NA
167	2023-12-12 04:30:00	NA
168	2023-12-12 04:45:00	NA
169	2023-12-12 05:00:00	NA
170	2023-12-12 05:15:00	NA
171	2023-12-12 05:30:00	NA
172	2023-12-12 05:45:00	NA
173	2023-12-12 06:00:00	NA
174	2023-12-12 06:15:00	NA
175	2023-12-12 06:30:00	NA
176	2023-12-12 06:45:00	NA
177	2023-12-12 07:00:00	NA
178	2023-12-12 07:15:00	NA
179	2023-12-12 07:30:00	NA
180	2023-12-12 07:45:00	NA
181	2023-12-12 08:00:00	NA
182	2023-12-12 08:15:00	NA
183	2023-12-12 08:30:00	NA
184	2023-12-12 08:45:00	NA
185	2023-12-12 09:00:00	NA
186	2023-12-12 09:15:00	NA
187	2023-12-12 09:30:00	NA
188	2023-12-12 09:45:00	NA
189	2023-12-12 10:00:00	NA
190	2023-12-12 10:15:00	NA
191	2023-12-12 10:30:00	NA
192	2023-12-12 10:45:00	NA
193	2023-12-12 11:00:00	NA
194	2023-12-12 11:15:00	NA
195	2023-12-12 11:30:00	NA
196	2023-12-12 11:45:00	NA
197	2023-12-12 12:00:00	NA
198	2023-12-12 12:15:00	NA
199	2023-12-12 12:30:00	135.16
200	2023-12-12 12:45:00	139.28
201	2023-12-12 13:00:00	145.71
202	2023-12-12 13:15:00	144.56
203	2023-12-12 13:30:00	143.46

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
204	2023-12-12 13:45:00	147.24
205	2023-12-12 14:00:00	142.44
206	2023-12-12 14:15:00	144.27
207	2023-12-12 14:30:00	140.04
208	2023-12-12 14:45:00	133.31
209	2023-12-12 15:00:00	138.75
210	2023-12-12 15:15:00	138.84
211	2023-12-12 15:30:00	149.87
212	2023-12-12 15:45:00	148.41
213	2023-12-12 16:00:00	147.43
214	2023-12-12 16:15:00	145.18
215	2023-12-12 16:30:00	142.77
216	2023-12-12 16:45:00	146.38
217	2023-12-12 17:00:00	143.91
218	2023-12-12 17:15:00	137.49
219	2023-12-12 17:30:00	142.70
220	2023-12-12 17:45:00	147.24
221	2023-12-12 18:00:00	150.00
222	2023-12-12 18:15:00	136.60
223	2023-12-12 18:30:00	138.78
224	2023-12-12 18:45:00	150.00
225	2023-12-12 19:00:00	140.36
226	2023-12-12 19:15:00	142.52
227	2023-12-12 19:30:00	149.63
228	2023-12-12 19:45:00	140.50
229	2023-12-12 20:00:00	144.89
230	2023-12-12 20:15:00	140.61
231	2023-12-12 20:30:00	144.13
232	2023-12-12 20:45:00	131.42
233	2023-12-12 21:00:00	138.68
234	2023-12-12 21:15:00	142.04
235	2023-12-12 21:30:00	138.23
236	2023-12-12 21:45:00	140.57
237	2023-12-12 22:00:00	138.57
238	2023-12-12 22:15:00	141.27
239	2023-12-12 22:30:00	143.71
240	2023-12-12 22:45:00	133.20
241	2023-12-12 23:00:00	137.96
242	2023-12-12 23:15:00	141.42
243	2023-12-12 23:30:00	135.13
244	2023-12-12 23:45:00	138.97
245	2023-12-13 00:00:00	132.06
246	2023-12-13 00:15:00	137.56
247	2023-12-13 00:30:00	140.94

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
248	2023-12-13 00:45:00	143.44
249	2023-12-13 01:00:00	133.42
250	2023-12-13 01:15:00	139.37
251	2023-12-13 01:30:00	137.93
252	2023-12-13 01:45:00	142.70
253	2023-12-13 02:00:00	127.41
254	2023-12-13 02:15:00	137.49
255	2023-12-13 02:30:00	136.55
256	2023-12-13 02:45:00	137.82
257	2023-12-13 03:00:00	141.78
258	2023-12-13 03:15:00	150.00
259	2023-12-13 03:30:00	139.07
260	2023-12-13 03:45:00	138.60
261	2023-12-13 04:00:00	142.23
262	2023-12-13 04:15:00	139.12
263	2023-12-13 04:30:00	139.86
264	2023-12-13 04:45:00	148.29
265	2023-12-13 05:00:00	138.45
266	2023-12-13 05:15:00	147.77
267	2023-12-13 05:30:00	142.86
268	2023-12-13 05:45:00	140.88
269	2023-12-13 06:00:00	145.30
270	2023-12-13 06:15:00	134.23
271	2023-12-13 06:30:00	139.26
272	2023-12-13 06:45:00	136.09
273	2023-12-13 07:00:00	138.36
274	2023-12-13 07:15:00	143.21
275	2023-12-13 07:30:00	137.49
276	2023-12-13 07:45:00	146.77
277	2023-12-13 08:00:00	143.30
278	2023-12-13 08:15:00	137.71
279	2023-12-13 08:30:00	142.16
280	2023-12-13 08:45:00	144.38
281	2023-12-13 09:00:00	139.22
282	2023-12-13 09:15:00	143.70
283	2023-12-13 09:30:00	144.91
284	2023-12-13 09:45:00	147.54
285	2023-12-13 10:00:00	145.81
286	2023-12-13 10:15:00	145.46
287	2023-12-13 10:30:00	150.00
288	2023-12-13 10:45:00	150.00
289	2023-12-13 11:00:00	150.00
290	2023-12-13 11:15:00	150.00
291	2023-12-13 11:30:00	149.04
292	2023-12-13 11:45:00	101.83

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm ³)
293	2023-12-13 12:00:00	112.18
294	2023-12-13 12:15:00	100.46
295	2023-12-13 12:30:00	77.28
296	2023-12-13 12:45:00	77.88
297	2023-12-13 13:00:00	83.02
298	2023-12-13 13:15:00	82.40
299	2023-12-13 13:30:00	79.97
300	2023-12-13 13:45:00	38.44
301	2023-12-13 14:00:00	52.02
302	2023-12-13 14:15:00	63.12
303	2023-12-13 14:30:00	19.72
304	2023-12-13 14:45:00	16.71
305	2023-12-13 15:00:00	18.60
306	2023-12-13 15:15:00	39.69
307	2023-12-13 15:30:00	132.69
308	2023-12-13 15:45:00	147.85
309	2023-12-13 16:00:00	150.00
310	2023-12-13 16:15:00	150.00
311	2023-12-13 16:30:00	150.00
312	2023-12-13 16:45:00	150.00
313	2023-12-13 17:00:00	150.00
314	2023-12-13 17:15:00	148.59
315	2023-12-13 17:30:00	150.00
316	2023-12-13 17:45:00	150.00
317	2023-12-13 18:00:00	150.00
318	2023-12-13 18:15:00	150.00
319	2023-12-13 18:30:00	144.84
320	2023-12-13 18:45:00	148.76
321	2023-12-13 19:00:00	140.75
322	2023-12-13 19:15:00	139.73
323	2023-12-13 19:30:00	136.72
324	2023-12-13 19:45:00	137.91
325	2023-12-13 20:00:00	140.77
326	2023-12-13 20:15:00	147.12
327	2023-12-13 20:30:00	145.81
328	2023-12-13 20:45:00	144.63
329	2023-12-13 21:00:00	133.80
330	2023-12-13 21:15:00	131.96
331	2023-12-13 21:30:00	130.30
332	2023-12-13 21:45:00	131.96
333	2023-12-13 22:00:00	132.38
334	2023-12-13 22:15:00	134.66
335	2023-12-13 22:30:00	142.16
336	2023-12-13 22:45:00	135.12

Sl No	Time	Stack_1 Boiler_1-PM(mg/Nm3)
337	2023-12-13 23:00:00	137.93
338	2023-12-13 23:15:00	141.23
339	2023-12-13 23:30:00	136.77
340	2023-12-13 23:45:00	127.27
341	2023-12-14 00:00:00	131.55
342	2023-12-14 00:15:00	139.40
343	2023-12-14 00:30:00	137.58
344	2023-12-14 00:45:00	140.43
345	2023-12-14 01:00:00	140.68
346	2023-12-14 01:15:00	139.99
347	2023-12-14 01:30:00	142.72
348	2023-12-14 01:45:00	150.00
349	2023-12-14 02:00:00	139.72
350	2023-12-14 02:15:00	134.13
351	2023-12-14 02:30:00	144.78
352	2023-12-14 02:45:00	144.51
353	2023-12-14 03:00:00	141.13
354	2023-12-14 03:15:00	131.15
355	2023-12-14 03:30:00	140.02
356	2023-12-14 03:45:00	142.58
357	2023-12-14 04:00:00	139.69
358	2023-12-14 04:15:00	136.48
359	2023-12-14 04:30:00	123.17
360	2023-12-14 04:45:00	129.20
361	2023-12-14 05:00:00	123.73
362	2023-12-14 05:15:00	129.47
363	2023-12-14 05:30:00	127.94
364	2023-12-14 05:45:00	131.21
365	2023-12-14 06:00:00	144.63
366	2023-12-14 06:15:00	138.81
367	2023-12-14 06:30:00	142.40
368	2023-12-14 06:45:00	148.27
369	2023-12-14 07:00:00	134.02
370	2023-12-14 07:15:00	138.12
371	2023-12-14 07:30:00	128.92
372	2023-12-14 07:45:00	140.92
373	2023-12-14 08:00:00	137.82
374	2023-12-14 08:15:00	145.60
375	2023-12-14 08:30:00	140.76
376	2023-12-14 08:45:00	144.66
377	2023-12-14 09:00:00	142.45
378	2023-12-14 09:15:00	133.37
379	2023-12-14 09:30:00	147.90
380	2023-12-14 09:45:00	143.19

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
381	2023-12-14 10:00:00	147.80
382	2023-12-14 10:15:00	149.15
383	2023-12-14 10:30:00	150.00
384	2023-12-14 10:45:00	147.36
385	2023-12-14 11:00:00	138.30
386	2023-12-14 11:15:00	145.31
387	2023-12-14 11:30:00	140.03
388	2023-12-14 11:45:00	143.38
389	2023-12-14 12:00:00	142.30
390	2023-12-14 12:15:00	148.55
391	2023-12-14 12:30:00	143.16
392	2023-12-14 12:45:00	144.33
393	2023-12-14 13:00:00	137.53
394	2023-12-14 13:15:00	143.05
395	2023-12-14 13:30:00	143.12
396	2023-12-14 13:45:00	143.48
397	2023-12-14 14:00:00	139.27
398	2023-12-14 14:15:00	140.13
399	2023-12-14 14:30:00	133.72
400	2023-12-14 14:45:00	145.27
401	2023-12-14 15:00:00	144.25
402	2023-12-14 15:15:00	142.44
403	2023-12-14 15:30:00	135.03
404	2023-12-14 15:45:00	147.83
405	2023-12-14 16:00:00	135.89
406	2023-12-14 16:15:00	134.38
407	2023-12-14 16:30:00	147.69
408	2023-12-14 16:45:00	140.35
409	2023-12-14 17:00:00	128.61
410	2023-12-14 17:15:00	146.76
411	2023-12-14 17:30:00	149.46
412	2023-12-14 17:45:00	142.71
413	2023-12-14 18:00:00	144.40
414	2023-12-14 18:15:00	133.77
415	2023-12-14 18:30:00	139.32
416	2023-12-14 18:45:00	130.75
417	2023-12-14 19:00:00	133.51
418	2023-12-14 19:15:00	131.44
419	2023-12-14 19:30:00	129.26
420	2023-12-14 19:45:00	136.10
421	2023-12-14 20:00:00	149.07
422	2023-12-14 20:15:00	123.25
423	2023-12-14 20:30:00	148.83
424	2023-12-14 20:45:00	143.02

Sl No	Time	Stack_1_Boller_1-PM(mg/Nm3)
425	2023-12-14 21:00:00	146.88
426	2023-12-14 21:15:00	148.62
427	2023-12-14 21:30:00	150.00
428	2023-12-14 21:45:00	150.00
429	2023-12-14 22:00:00	150.00
430	2023-12-14 22:15:00	150.00
431	2023-12-14 22:30:00	150.00
432	2023-12-14 22:45:00	143.81
433	2023-12-14 23:00:00	141.64
434	2023-12-14 23:15:00	147.97
435	2023-12-14 23:30:00	144.62
436	2023-12-14 23:45:00	147.72
437	2023-12-15 00:00:00	149.09
438	2023-12-15 00:15:00	148.60
439	2023-12-15 00:30:00	149.44
440	2023-12-15 00:45:00	145.45
441	2023-12-15 01:00:00	137.13
442	2023-12-15 01:15:00	129.82
443	2023-12-15 01:30:00	132.70
444	2023-12-15 01:45:00	126.00
445	2023-12-15 02:00:00	133.28
446	2023-12-15 02:15:00	140.46
447	2023-12-15 02:30:00	146.26
448	2023-12-15 02:45:00	130.35
449	2023-12-15 03:00:00	147.11
450	2023-12-15 03:15:00	135.38
451	2023-12-15 03:30:00	137.93
452	2023-12-15 03:45:00	143.97
453	2023-12-15 04:00:00	146.14
454	2023-12-15 04:15:00	138.62
455	2023-12-15 04:30:00	148.90
456	2023-12-15 04:45:00	141.75
457	2023-12-15 05:00:00	127.40
458	2023-12-15 05:15:00	136.71
459	2023-12-15 05:30:00	150.00
460	2023-12-15 05:45:00	149.66
461	2023-12-15 06:00:00	143.57
462	2023-12-15 06:15:00	128.45
463	2023-12-15 06:30:00	132.82
464	2023-12-15 06:45:00	129.13
465	2023-12-15 07:00:00	128.28
466	2023-12-15 07:15:00	132.07
467	2023-12-15 07:30:00	140.37
468	2023-12-15 07:45:00	150.00

Sl No	Time	Stack_1_Boller_1-PM(mg/Nm3)
469	2023-12-15 08:00:00	149.89
470	2023-12-15 08:15:00	146.65
471	2023-12-15 08:30:00	142.59
472	2023-12-15 08:45:00	145.37
473	2023-12-15 09:00:00	143.13
474	2023-12-15 09:15:00	145.35
475	2023-12-15 09:30:00	143.50
476	2023-12-15 09:45:00	133.92
477	2023-12-15 10:00:00	134.82
478	2023-12-15 10:15:00	131.90
479	2023-12-15 10:30:00	128.85
480	2023-12-15 10:45:00	141.65
481	2023-12-15 11:00:00	140.06
482	2023-12-15 11:15:00	147.18
483	2023-12-15 11:30:00	147.57
484	2023-12-15 11:45:00	147.45
485	2023-12-15 12:00:00	146.94
486	2023-12-15 12:15:00	149.16
487	2023-12-15 12:30:00	147.18
488	2023-12-15 12:45:00	149.85
489	2023-12-15 13:00:00	150.00
490	2023-12-15 13:15:00	147.44
491	2023-12-15 13:30:00	148.69
492	2023-12-15 13:45:00	150.00
493	2023-12-15 14:00:00	145.08
494	2023-12-15 14:15:00	141.23
495	2023-12-15 14:30:00	148.01
496	2023-12-15 14:45:00	146.44
497	2023-12-15 15:00:00	142.18
498	2023-12-15 15:15:00	146.14
499	2023-12-15 15:30:00	139.08
500	2023-12-15 15:45:00	141.98
501	2023-12-15 16:00:00	130.70
502	2023-12-15 16:15:00	133.63
503	2023-12-15 16:30:00	142.71
504	2023-12-15 16:45:00	137.11
505	2023-12-15 17:00:00	128.63
506	2023-12-15 17:15:00	127.78
507	2023-12-15 17:30:00	146.21
508	2023-12-15 17:45:00	145.47
509	2023-12-15 18:00:00	142.85
510	2023-12-15 18:15:00	132.91
511	2023-12-15 18:30:00	131.49
512	2023-12-15 18:45:00	134.61
513	2023-12-15 19:00:00	140.94

Sl No	Time	Stack_1_Boller_1-PM(mg/Nm3)
514	2023-12-15 19:15:00	141.00
515	2023-12-15 19:30:00	138.18
516	2023-12-15 19:45:00	139.81
517	2023-12-15 20:00:00	142.11
518	2023-12-15 20:15:00	140.56
519	2023-12-15 20:30:00	142.35
520	2023-12-15 20:45:00	142.51
521	2023-12-15 21:00:00	143.43
522	2023-12-15 21:15:00	139.96
523	2023-12-15 21:30:00	142.84
524	2023-12-15 21:45:00	135.24
525	2023-12-15 22:00:00	137.84
526	2023-12-15 22:15:00	135.35
527	2023-12-15 22:30:00	139.01
528	2023-12-15 22:45:00	140.50
529	2023-12-15 23:00:00	146.10
530	2023-12-15 23:15:00	135.74
531	2023-12-15 23:30:00	135.73
532	2023-12-15 23:45:00	131.00
533	2023-12-16 00:00:00	126.92
534	2023-12-16 00:15:00	132.58
535	2023-12-16 00:30:00	133.92
536	2023-12-16 00:45:00	129.42
537	2023-12-16 01:00:00	137.90
538	2023-12-16 01:15:00	142.51
539	2023-12-16 01:30:00	148.14
540	2023-12-16 01:45:00	131.08
541	2023-12-16 02:00:00	131.38
542	2023-12-16 02:15:00	142.67
543	2023-12-16 02:30:00	137.91
544	2023-12-16 02:45:00	132.18
545	2023-12-16 03:00:00	120.47
546	2023-12-16 03:15:00	122.60
547	2023-12-16 03:30:00	144.40
548	2023-12-16 03:45:00	137.55
549	2023-12-16 04:00:00	133.69
550	2023-12-16 04:15:00	124.72
551	2023-12-16 04:30:00	119.76
552	2023-12-16 04:45:00	132.61
553	2023-12-16 05:00:00	125.71
554	2023-12-16 05:15:00	132.35
555	2023-12-16 05:30:00	132.13
556	2023-12-16 05:45:00	118.20
557	2023-12-16 06:00:00	123.36

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
558	2023-12-16 06:15:00	126.87
559	2023-12-16 06:30:00	130.44
560	2023-12-16 06:45:00	114.14
561	2023-12-16 07:00:00	122.34
562	2023-12-16 07:15:00	130.64
563	2023-12-16 07:30:00	136.92
564	2023-12-16 07:45:00	136.65
565	2023-12-16 08:00:00	149.80
566	2023-12-16 08:15:00	142.80
567	2023-12-16 08:30:00	135.61
568	2023-12-16 08:45:00	133.57
569	2023-12-16 09:00:00	143.62
570	2023-12-16 09:15:00	129.52
571	2023-12-16 09:30:00	124.06
572	2023-12-16 09:45:00	133.00
573	2023-12-16 10:00:00	136.87
574	2023-12-16 10:15:00	145.10
575	2023-12-16 10:30:00	140.57
576	2023-12-16 10:45:00	139.28
577	2023-12-16 11:00:00	142.65
578	2023-12-16 11:15:00	144.30
579	2023-12-16 11:30:00	150.00
580	2023-12-16 11:45:00	148.77
581	2023-12-16 12:00:00	149.47
582	2023-12-16 12:15:00	148.68
583	2023-12-16 12:30:00	147.30
584	2023-12-16 12:45:00	143.33
585	2023-12-16 13:00:00	148.33
586	2023-12-16 13:15:00	145.32
587	2023-12-16 13:30:00	139.85
588	2023-12-16 13:45:00	144.39
589	2023-12-16 14:00:00	146.45
590	2023-12-16 14:15:00	142.02
591	2023-12-16 14:30:00	147.04
592	2023-12-16 14:45:00	145.93
593	2023-12-16 15:00:00	144.14
594	2023-12-16 15:15:00	139.32
595	2023-12-16 15:30:00	142.24
596	2023-12-16 15:45:00	142.20
597	2023-12-16 16:00:00	138.54
598	2023-12-16 16:15:00	141.40
599	2023-12-16 16:30:00	134.35
600	2023-12-16 16:45:00	141.47
601	2023-12-16 17:00:00	147.43

Sl No	Time	Stack_1_Boller_1-PM(mg/Nm3)
602	2023-12-16 17:15:00	130.39
603	2023-12-16 17:30:00	147.73
604	2023-12-16 17:45:00	144.66
605	2023-12-16 18:00:00	135.48
606	2023-12-16 18:15:00	131.34
607	2023-12-16 18:30:00	136.37
608	2023-12-16 18:45:00	141.78
609	2023-12-16 19:00:00	146.79
610	2023-12-16 19:15:00	139.47
611	2023-12-16 19:30:00	141.20
612	2023-12-16 19:45:00	142.34
613	2023-12-16 20:00:00	138.37
614	2023-12-16 20:15:00	142.05
615	2023-12-16 20:30:00	131.30
616	2023-12-16 20:45:00	137.43
617	2023-12-16 21:00:00	132.00
618	2023-12-16 21:15:00	129.10
619	2023-12-16 21:30:00	127.22
620	2023-12-16 21:45:00	133.09
621	2023-12-16 22:00:00	121.13
622	2023-12-16 22:15:00	147.28
623	2023-12-16 22:30:00	133.16
624	2023-12-16 22:45:00	130.91
625	2023-12-16 23:00:00	133.73
626	2023-12-16 23:15:00	133.67
627	2023-12-16 23:30:00	137.68
628	2023-12-16 23:45:00	139.24
629	2023-12-17 00:00:00	122.33
630	2023-12-17 00:15:00	138.93
631	2023-12-17 00:30:00	133.78
632	2023-12-17 00:45:00	132.75
633	2023-12-17 01:00:00	125.42
634	2023-12-17 01:15:00	129.83
635	2023-12-17 01:30:00	139.63
636	2023-12-17 01:45:00	136.32
637	2023-12-17 02:00:00	125.66
638	2023-12-17 02:15:00	132.48
639	2023-12-17 02:30:00	129.17
640	2023-12-17 02:45:00	127.36
641	2023-12-17 03:00:00	129.45
642	2023-12-17 03:15:00	133.73
643	2023-12-17 03:30:00	127.38
644	2023-12-17 03:45:00	131.84
645	2023-12-17 04:00:00	132.98

Sl No	Time	Stack_1_Boller_1-PM(mg/Nm3)
646	2023-12-17 04:15:00	124.72
647	2023-12-17 04:30:00	128.72
648	2023-12-17 04:45:00	127.79
649	2023-12-17 05:00:00	128.87
650	2023-12-17 05:15:00	132.07
651	2023-12-17 05:30:00	137.07
652	2023-12-17 05:45:00	139.19
653	2023-12-17 06:00:00	136.76
654	2023-12-17 06:15:00	136.62
655	2023-12-17 06:30:00	142.72
656	2023-12-17 06:45:00	134.82
657	2023-12-17 07:00:00	144.92
658	2023-12-17 07:15:00	141.15
659	2023-12-17 07:30:00	133.21
660	2023-12-17 07:45:00	142.15
661	2023-12-17 08:00:00	142.61
662	2023-12-17 08:15:00	NA
663	2023-12-17 08:30:00	NA
664	2023-12-17 08:45:00	NA
665	2023-12-17 09:00:00	NA
666	2023-12-17 09:15:00	NA
667	2023-12-17 09:30:00	NA
668	2023-12-17 09:45:00	NA
669	2023-12-17 10:00:00	NA
670	2023-12-17 10:15:00	NA
671	2023-12-17 10:30:00	NA
672	2023-12-17 10:45:00	NA
673	2023-12-17 11:00:00	NA
674	2023-12-17 11:15:00	NA
675	2023-12-17 11:30:00	NA
676	2023-12-17 11:45:00	NA
677	2023-12-17 12:00:00	NA
678	2023-12-17 12:15:00	NA
679	2023-12-17 12:30:00	NA
680	2023-12-17 12:45:00	NA
681	2023-12-17 13:00:00	NA
682	2023-12-17 13:15:00	NA
683	2023-12-17 13:30:00	NA
684	2023-12-17 13:45:00	NA
685	2023-12-17 14:00:00	NA
686	2023-12-17 14:15:00	NA
687	2023-12-17 14:30:00	NA
688	2023-12-17 14:45:00	NA
689	2023-12-17 15:00:00	NA

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
690	2023-12-17 15:15:00	NA
691	2023-12-17 15:30:00	NA
692	2023-12-17 15:45:00	NA
693	2023-12-17 16:00:00	NA
694	2023-12-17 16:15:00	NA
695	2023-12-17 16:30:00	NA
696	2023-12-17 16:45:00	NA
697	2023-12-17 17:00:00	NA
698	2023-12-17 17:15:00	NA
699	2023-12-17 17:30:00	NA
700	2023-12-17 17:45:00	NA
701	2023-12-17 18:00:00	NA
702	2023-12-17 18:15:00	NA
703	2023-12-17 18:30:00	NA
704	2023-12-17 18:45:00	NA
705	2023-12-17 19:00:00	NA
706	2023-12-17 19:15:00	NA
707	2023-12-17 19:30:00	NA
708	2023-12-17 19:45:00	NA
709	2023-12-17 20:00:00	NA
710	2023-12-17 20:15:00	NA
711	2023-12-17 20:30:00	NA
712	2023-12-17 20:45:00	NA
713	2023-12-17 21:00:00	NA
714	2023-12-17 21:15:00	NA
715	2023-12-17 21:30:00	NA
716	2023-12-17 21:45:00	NA
717	2023-12-17 22:00:00	NA
718	2023-12-17 22:15:00	NA
719	2023-12-17 22:30:00	NA
720	2023-12-17 22:45:00	NA
721	2023-12-17 23:00:00	NA
722	2023-12-17 23:15:00	NA
723	2023-12-17 23:30:00	NA
724	2023-12-17 23:45:00	NA
725	2023-12-18 00:00:00	NA
726	2023-12-18 00:15:00	NA
727	2023-12-18 00:30:00	NA
728	2023-12-18 00:45:00	NA
729	2023-12-18 01:00:00	NA
730	2023-12-18 01:15:00	NA
731	2023-12-18 01:30:00	NA
732	2023-12-18 01:45:00	NA
733	2023-12-18 02:00:00	NA
734	2023-12-18 02:15:00	NA

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
735	2023-12-18 02:30:00	NA
736	2023-12-18 02:45:00	NA
737	2023-12-18 03:00:00	NA
738	2023-12-18 03:15:00	NA
739	2023-12-18 03:30:00	NA
740	2023-12-18 03:45:00	NA
741	2023-12-18 04:00:00	NA
742	2023-12-18 04:15:00	NA
743	2023-12-18 04:30:00	NA
744	2023-12-18 04:45:00	NA
745	2023-12-18 05:00:00	NA
746	2023-12-18 05:15:00	NA
747	2023-12-18 05:30:00	NA
748	2023-12-18 05:45:00	NA
749	2023-12-18 06:00:00	NA
750	2023-12-18 06:15:00	NA
751	2023-12-18 06:30:00	NA
752	2023-12-18 06:45:00	NA
753	2023-12-18 07:00:00	NA
754	2023-12-18 07:15:00	NA
755	2023-12-18 07:30:00	NA
756	2023-12-18 07:45:00	NA
757	2023-12-18 08:00:00	NA
758	2023-12-18 08:15:00	NA
759	2023-12-18 08:30:00	NA
760	2023-12-18 08:45:00	NA
761	2023-12-18 09:00:00	NA
762	2023-12-18 09:15:00	NA
763	2023-12-18 09:30:00	NA
764	2023-12-18 09:45:00	NA
765	2023-12-18 10:00:00	NA
766	2023-12-18 10:15:00	NA
767	2023-12-18 10:30:00	NA
768	2023-12-18 10:45:00	NA
769	2023-12-18 11:00:00	NA
770	2023-12-18 11:15:00	NA
771	2023-12-18 11:30:00	NA
772	2023-12-18 11:45:00	108.78
773	2023-12-18 12:00:00	143.14
774	2023-12-18 12:15:00	150.00
775	2023-12-18 12:30:00	139.63
776	2023-12-18 12:45:00	139.96
777	2023-12-18 13:00:00	146.93
778	2023-12-18 13:15:00	138.66

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
779	2023-12-18 13:30:00	138.74
780	2023-12-18 13:45:00	135.68
781	2023-12-18 14:00:00	145.01
782	2023-12-18 14:15:00	135.77
783	2023-12-18 14:30:00	130.98
784	2023-12-18 14:45:00	140.93
785	2023-12-18 15:00:00	137.80
786	2023-12-18 15:15:00	145.90
787	2023-12-18 15:30:00	140.95
788	2023-12-18 15:45:00	134.87
789	2023-12-18 16:00:00	143.46
790	2023-12-18 16:15:00	138.89
791	2023-12-18 16:30:00	146.57
792	2023-12-18 16:45:00	142.23
793	2023-12-18 17:00:00	139.18
794	2023-12-18 17:15:00	139.85
795	2023-12-18 17:30:00	149.88
796	2023-12-18 17:45:00	140.46
797	2023-12-18 18:00:00	140.16
798	2023-12-18 18:15:00	144.78
799	2023-12-18 18:30:00	150.00
800	2023-12-18 18:45:00	144.27
801	2023-12-18 19:00:00	134.87
802	2023-12-18 19:15:00	142.52
803	2023-12-18 19:30:00	138.69
804	2023-12-18 19:45:00	146.09
805	2023-12-18 20:00:00	143.40
806	2023-12-18 20:15:00	141.28
807	2023-12-18 20:30:00	144.51
808	2023-12-18 20:45:00	137.73
809	2023-12-18 21:00:00	144.77
810	2023-12-18 21:15:00	136.46
811	2023-12-18 21:30:00	138.56
812	2023-12-18 21:45:00	134.39
813	2023-12-18 22:00:00	135.47
814	2023-12-18 22:15:00	132.08
815	2023-12-18 22:30:00	139.85
816	2023-12-18 22:45:00	132.03
817	2023-12-18 23:00:00	136.06
818	2023-12-18 23:15:00	127.78
819	2023-12-18 23:30:00	129.43
820	2023-12-18 23:45:00	137.23
821	2023-12-19 00:00:00	139.24
822	2023-12-19 00:15:00	132.10

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
823	2023-12-19 00:30:00	133.63
824	2023-12-19 00:45:00	130.71
825	2023-12-19 01:00:00	142.67
826	2023-12-19 01:15:00	146.29
827	2023-12-19 01:30:00	142.10
828	2023-12-19 01:45:00	137.18
829	2023-12-19 02:00:00	134.70
830	2023-12-19 02:15:00	129.96
831	2023-12-19 02:30:00	127.20
832	2023-12-19 02:45:00	145.01
833	2023-12-19 03:00:00	133.66
834	2023-12-19 03:15:00	126.30
835	2023-12-19 03:30:00	130.92
836	2023-12-19 03:45:00	138.05
837	2023-12-19 04:00:00	130.65
838	2023-12-19 04:15:00	130.55
839	2023-12-19 04:30:00	131.47
840	2023-12-19 04:45:00	137.35
841	2023-12-19 05:00:00	133.85
842	2023-12-19 05:15:00	136.76
843	2023-12-19 05:30:00	140.95
844	2023-12-19 05:45:00	140.35
845	2023-12-19 06:00:00	134.60
846	2023-12-19 06:15:00	137.51
847	2023-12-19 06:30:00	140.41
848	2023-12-19 06:45:00	138.60
849	2023-12-19 07:00:00	129.16
850	2023-12-19 07:15:00	141.92
851	2023-12-19 07:30:00	141.26
852	2023-12-19 07:45:00	146.53
853	2023-12-19 08:00:00	132.09
854	2023-12-19 08:15:00	141.75
855	2023-12-19 08:30:00	137.39
856	2023-12-19 08:45:00	129.69
857	2023-12-19 09:00:00	142.05
858	2023-12-19 09:15:00	137.65
859	2023-12-19 09:30:00	142.81
860	2023-12-19 09:45:00	130.65
861	2023-12-19 10:00:00	145.47
862	2023-12-19 10:15:00	133.15
863	2023-12-19 10:30:00	143.11
864	2023-12-19 10:45:00	144.75
865	2023-12-19 11:00:00	141.16
866	2023-12-19 11:15:00	145.24

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
867	2023-12-19 11:30:00	147.29
868	2023-12-19 11:45:00	141.10
869	2023-12-19 12:00:00	145.49
870	2023-12-19 12:15:00	129.24
871	2023-12-19 12:30:00	143.59
872	2023-12-19 12:45:00	149.90
873	2023-12-19 13:00:00	150.00
874	2023-12-19 13:15:00	144.32
875	2023-12-19 13:30:00	148.58
876	2023-12-19 13:45:00	145.56
877	2023-12-19 14:00:00	146.28
878	2023-12-19 14:15:00	146.66
879	2023-12-19 14:30:00	149.32
880	2023-12-19 14:45:00	149.16
881	2023-12-19 15:00:00	150.00
882	2023-12-19 15:15:00	150.00
883	2023-12-19 15:30:00	148.73
884	2023-12-19 15:45:00	150.00
885	2023-12-19 16:00:00	144.27
886	2023-12-19 16:15:00	150.00
887	2023-12-19 16:30:00	150.00
888	2023-12-19 16:45:00	149.82
889	2023-12-19 17:00:00	148.79
890	2023-12-19 17:15:00	150.00
891	2023-12-19 17:30:00	149.08
892	2023-12-19 17:45:00	150.00
893	2023-12-19 18:00:00	140.98
894	2023-12-19 18:15:00	149.96
895	2023-12-19 18:30:00	144.03
896	2023-12-19 18:45:00	146.26
897	2023-12-19 19:00:00	148.60
898	2023-12-19 19:15:00	146.98
899	2023-12-19 19:30:00	140.45
900	2023-12-19 19:45:00	141.80
901	2023-12-19 20:00:00	145.37
902	2023-12-19 20:15:00	139.77
903	2023-12-19 20:30:00	149.01
904	2023-12-19 20:45:00	143.99
905	2023-12-19 21:00:00	145.23
906	2023-12-19 21:15:00	144.75
907	2023-12-19 21:30:00	150.00
908	2023-12-19 21:45:00	137.82
909	2023-12-19 22:00:00	150.00
910	2023-12-19 22:15:00	135.88

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
911	2023-12-19 22:30:00	139.72
912	2023-12-19 22:45:00	144.53
913	2023-12-19 23:00:00	139.37
914	2023-12-19 23:15:00	140.12
915	2023-12-19 23:30:00	143.60
916	2023-12-19 23:45:00	136.01
917	2023-12-20 00:00:00	137.70
918	2023-12-20 00:15:00	137.46
919	2023-12-20 00:30:00	139.54
920	2023-12-20 00:45:00	133.80
921	2023-12-20 01:00:00	134.99
922	2023-12-20 01:15:00	142.05
923	2023-12-20 01:30:00	134.29
924	2023-12-20 01:45:00	139.54
925	2023-12-20 02:00:00	129.13
926	2023-12-20 02:15:00	138.35
927	2023-12-20 02:30:00	142.38
928	2023-12-20 02:45:00	131.80
929	2023-12-20 03:00:00	136.33
930	2023-12-20 03:15:00	142.96
931	2023-12-20 03:30:00	142.44
932	2023-12-20 03:45:00	138.66
933	2023-12-20 04:00:00	141.01
934	2023-12-20 04:15:00	134.11
935	2023-12-20 04:30:00	139.25
936	2023-12-20 04:45:00	122.49
937	2023-12-20 05:00:00	137.24
938	2023-12-20 05:15:00	135.56
939	2023-12-20 05:30:00	131.25
940	2023-12-20 05:45:00	134.96
941	2023-12-20 06:00:00	127.93
942	2023-12-20 06:15:00	135.26
943	2023-12-20 06:30:00	131.79
944	2023-12-20 06:45:00	133.18
945	2023-12-20 07:00:00	130.45
946	2023-12-20 07:15:00	125.30
947	2023-12-20 07:30:00	127.64
948	2023-12-20 07:45:00	129.48
949	2023-12-20 08:00:00	130.79
950	2023-12-20 08:15:00	135.05
951	2023-12-20 08:30:00	134.04
952	2023-12-20 08:45:00	143.60
953	2023-12-20 09:00:00	137.59
954	2023-12-20 09:15:00	138.71
955	2023-12-20 09:30:00	141.73

Sl No	Time	Stack 1_Boiler_1-PM(mg/Nm3)
956	2023-12-20 09:45:00	146.54
957	2023-12-20 10:00:00	139.76
958	2023-12-20 10:15:00	146.51
959	2023-12-20 10:30:00	141.62
960	2023-12-20 10:45:00	143.28
961	2023-12-20 11:00:00	143.24
962	2023-12-20 11:15:00	143.36
963	2023-12-20 11:30:00	136.47
964	2023-12-20 11:45:00	141.74
965	2023-12-20 12:00:00	136.84
966	2023-12-20 12:15:00	148.83
967	2023-12-20 12:30:00	143.44
968	2023-12-20 12:45:00	139.29
969	2023-12-20 13:00:00	143.97
970	2023-12-20 13:15:00	146.70
971	2023-12-20 13:30:00	144.22
972	2023-12-20 13:45:00	145.47
973	2023-12-20 14:00:00	144.98
974	2023-12-20 14:15:00	146.21
975	2023-12-20 14:30:00	145.22
976	2023-12-20 14:45:00	145.90
977	2023-12-20 15:00:00	137.62
978	2023-12-20 15:15:00	142.41
979	2023-12-20 15:30:00	142.28
980	2023-12-20 15:45:00	141.40
981	2023-12-20 16:00:00	150.00
982	2023-12-20 16:15:00	145.56
983	2023-12-20 16:30:00	148.14
984	2023-12-20 16:45:00	147.15
985	2023-12-20 17:00:00	148.47
986	2023-12-20 17:15:00	141.25
987	2023-12-20 17:30:00	139.72
988	2023-12-20 17:45:00	140.09
989	2023-12-20 18:00:00	143.71
990	2023-12-20 18:15:00	138.77
991	2023-12-20 18:30:00	143.75
992	2023-12-20 18:45:00	140.36
993	2023-12-20 19:00:00	149.93
994	2023-12-20 19:15:00	150.00
995	2023-12-20 19:30:00	150.00
996	2023-12-20 19:45:00	143.32
997	2023-12-20 20:00:00	126.69
998	2023-12-20 20:15:00	140.21
999	2023-12-20 20:30:00	134.50

Sl No	Time	Stack_1_Boller_1-PM(mg/Nm3)
1000	2023-12-20 20:45:00	132.37
1001	2023-12-20 21:00:00	143.39
1002	2023-12-20 21:15:00	139.25
1003	2023-12-20 21:30:00	134.81
1004	2023-12-20 21:45:00	125.20
1005	2023-12-20 22:00:00	125.88
1006	2023-12-20 22:15:00	123.50
1007	2023-12-20 22:30:00	138.74
1008	2023-12-20 22:45:00	135.08
1009	2023-12-20 23:00:00	134.81
1010	2023-12-20 23:15:00	125.88
1011	2023-12-20 23:30:00	125.32
1012	2023-12-20 23:45:00	138.06
1013	2023-12-21 00:00:00	147.13
1014	2023-12-21 00:15:00	145.23
1015	2023-12-21 00:30:00	139.87
1016	2023-12-21 00:45:00	131.48
1017	2023-12-21 01:00:00	138.59
1018	2023-12-21 01:15:00	138.57
1019	2023-12-21 01:30:00	140.21
1020	2023-12-21 01:45:00	144.90
1021	2023-12-21 02:00:00	143.70
1022	2023-12-21 02:15:00	145.53
1023	2023-12-21 02:30:00	142.30
1024	2023-12-21 02:45:00	148.89
1025	2023-12-21 03:00:00	137.13
1026	2023-12-21 03:15:00	146.60
1027	2023-12-21 03:30:00	150.00
1028	2023-12-21 03:45:00	147.79
1029	2023-12-21 04:00:00	139.72
1030	2023-12-21 04:15:00	148.78
1031	2023-12-21 04:30:00	147.97
1032	2023-12-21 04:45:00	146.24
1033	2023-12-21 05:00:00	146.81
1034	2023-12-21 05:15:00	139.19
1035	2023-12-21 05:30:00	147.72
1036	2023-12-21 05:45:00	141.01
1037	2023-12-21 06:00:00	147.22
1038	2023-12-21 06:15:00	144.10
1039	2023-12-21 06:30:00	139.01
1040	2023-12-21 06:45:00	147.01
1041	2023-12-21 07:00:00	142.94
1042	2023-12-21 07:15:00	138.48
1043	2023-12-21 07:30:00	150.00

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
1044	2023-12-21 07:45:00	145.86
1045	2023-12-21 08:00:00	150.00
1046	2023-12-21 08:15:00	132.07
1047	2023-12-21 08:30:00	129.82
1048	2023-12-21 08:45:00	134.63
1049	2023-12-21 09:00:00	125.17
1050	2023-12-21 09:15:00	130.45
1051	2023-12-21 09:30:00	149.21
1052	2023-12-21 09:45:00	150.00
1053	2023-12-21 10:00:00	150.00
1054	2023-12-21 10:15:00	148.67
1055	2023-12-21 10:30:00	149.84
1056	2023-12-21 10:45:00	150.00
1057	2023-12-21 11:00:00	148.07
1058	2023-12-21 11:15:00	149.26
1059	2023-12-21 11:30:00	147.96
1060	2023-12-21 11:45:00	143.25
1061	2023-12-21 12:00:00	145.84
1062	2023-12-21 12:15:00	146.69
1063	2023-12-21 12:30:00	135.19
1064	2023-12-21 12:45:00	129.42
1065	2023-12-21 13:00:00	142.83
1066	2023-12-21 13:15:00	134.76
1067	2023-12-21 13:30:00	145.56
1068	2023-12-21 13:45:00	148.41
1069	2023-12-21 14:00:00	143.42
1070	2023-12-21 14:15:00	138.73
1071	2023-12-21 14:30:00	136.95
1072	2023-12-21 14:45:00	139.73
1073	2023-12-21 15:00:00	143.22
1074	2023-12-21 15:15:00	129.75
1075	2023-12-21 15:30:00	139.37
1076	2023-12-21 15:45:00	140.71
1077	2023-12-21 16:00:00	142.18
1078	2023-12-21 16:15:00	137.46
1079	2023-12-21 16:30:00	142.97
1080	2023-12-21 16:45:00	138.32
1081	2023-12-21 17:00:00	135.36
1082	2023-12-21 17:15:00	135.99
1083	2023-12-21 17:30:00	142.71
1084	2023-12-21 17:45:00	140.91
1085	2023-12-21 18:00:00	146.19
1086	2023-12-21 18:15:00	142.31
1087	2023-12-21 18:30:00	132.68

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
1088	2023-12-21 18:45:00	126.63
1089	2023-12-21 19:00:00	129.48
1090	2023-12-21 19:15:00	144.17
1091	2023-12-21 19:30:00	142.02
1092	2023-12-21 19:45:00	138.72
1093	2023-12-21 20:00:00	139.26
1094	2023-12-21 20:15:00	143.35
1095	2023-12-21 20:30:00	144.92
1096	2023-12-21 20:45:00	145.08
1097	2023-12-21 21:00:00	143.44
1098	2023-12-21 21:15:00	145.90
1099	2023-12-21 21:30:00	139.54
1100	2023-12-21 21:45:00	143.64
1101	2023-12-21 22:00:00	135.56
1102	2023-12-21 22:15:00	142.24
1103	2023-12-21 22:30:00	138.31
1104	2023-12-21 22:45:00	139.54
1105	2023-12-21 23:00:00	142.25
1106	2023-12-21 23:15:00	137.50
1107	2023-12-21 23:30:00	138.34
1108	2023-12-21 23:45:00	135.04
1109	2023-12-22 00:00:00	138.65
1110	2023-12-22 00:15:00	133.69
1111	2023-12-22 00:30:00	135.27
1112	2023-12-22 00:45:00	140.52
1113	2023-12-22 01:00:00	138.69
1114	2023-12-22 01:15:00	134.79
1115	2023-12-22 01:30:00	134.51
1116	2023-12-22 01:45:00	136.88
1117	2023-12-22 02:00:00	141.35
1118	2023-12-22 02:15:00	135.11
1119	2023-12-22 02:30:00	131.40
1120	2023-12-22 02:45:00	140.25
1121	2023-12-22 03:00:00	127.56
1122	2023-12-22 03:15:00	128.30
1123	2023-12-22 03:30:00	140.96
1124	2023-12-22 03:45:00	132.29
1125	2023-12-22 04:00:00	128.25
1126	2023-12-22 04:15:00	126.92
1127	2023-12-22 04:30:00	134.55
1128	2023-12-22 04:45:00	141.70
1129	2023-12-22 05:00:00	137.71
1130	2023-12-22 05:15:00	142.42
1131	2023-12-22 05:30:00	145.60

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
1132	2023-12-22 05:45:00	138.65
1133	2023-12-22 06:00:00	147.07
1134	2023-12-22 06:15:00	135.51
1135	2023-12-22 06:30:00	132.35
1136	2023-12-22 06:45:00	144.71
1137	2023-12-22 07:00:00	126.98
1138	2023-12-22 07:15:00	142.67
1139	2023-12-22 07:30:00	142.38
1140	2023-12-22 07:45:00	132.46
1141	2023-12-22 08:00:00	131.81
1142	2023-12-22 08:15:00	134.12
1143	2023-12-22 08:30:00	131.66
1144	2023-12-22 08:45:00	134.13
1145	2023-12-22 09:00:00	134.82
1146	2023-12-22 09:15:00	136.98
1147	2023-12-22 09:30:00	NA
1148	2023-12-22 09:45:00	NA
1149	2023-12-22 10:00:00	NA
1150	2023-12-22 10:15:00	NA
1151	2023-12-22 10:30:00	147.64
1152	2023-12-22 10:45:00	143.46
1153	2023-12-22 11:00:00	150.00
1154	2023-12-22 11:15:00	150.00
1155	2023-12-22 11:30:00	149.98
1156	2023-12-22 11:45:00	149.97
1157	2023-12-22 12:00:00	150.00
1158	2023-12-22 12:15:00	150.00
1159	2023-12-22 12:30:00	150.00
1160	2023-12-22 12:45:00	149.62
1161	2023-12-22 13:00:00	150.00
1162	2023-12-22 13:15:00	148.38
1163	2023-12-22 13:30:00	150.00
1164	2023-12-22 13:45:00	149.67
1165	2023-12-22 14:00:00	150.00
1166	2023-12-22 14:15:00	147.84
1167	2023-12-22 14:30:00	143.05
1168	2023-12-22 14:45:00	143.85
1169	2023-12-22 15:00:00	135.10
1170	2023-12-22 15:15:00	133.43
1171	2023-12-22 15:30:00	134.29
1172	2023-12-22 15:45:00	125.00
1173	2023-12-22 16:00:00	139.29
1174	2023-12-22 16:15:00	140.37
1175	2023-12-22 16:30:00	126.19
1176	2023-12-22 16:45:00	136.94

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
1177	2023-12-22 17:00:00	114.86
1178	2023-12-22 17:15:00	131.72
1179	2023-12-22 17:30:00	115.79
1180	2023-12-22 17:45:00	71.94
1181	2023-12-22 18:00:00	71.96
1182	2023-12-22 18:15:00	72.00
1183	2023-12-22 18:30:00	70.00
1184	2023-12-22 18:45:00	71.81
1185	2023-12-22 19:00:00	74.79
1186	2023-12-22 19:15:00	74.08
1187	2023-12-22 19:30:00	72.23
1188	2023-12-22 19:45:00	75.45
1189	2023-12-22 20:00:00	72.37
1190	2023-12-22 20:15:00	86.86
1191	2023-12-22 20:30:00	92.71
1192	2023-12-22 20:45:00	67.02
1193	2023-12-22 21:00:00	64.94
1194	2023-12-22 21:15:00	65.73
1195	2023-12-22 21:30:00	66.19
1196	2023-12-22 21:45:00	65.31
1197	2023-12-22 22:00:00	64.80
1198	2023-12-22 22:15:00	60.39
1199	2023-12-22 22:30:00	60.12
1200	2023-12-22 22:45:00	60.91
1201	2023-12-22 23:00:00	61.65
1202	2023-12-22 23:15:00	61.58
1203	2023-12-22 23:30:00	61.41
1204	2023-12-22 23:45:00	57.28
1205	2023-12-23 00:00:00	59.53
1206	2023-12-23 00:15:00	77.40
1207	2023-12-23 00:30:00	73.13
1208	2023-12-23 00:45:00	69.81
1209	2023-12-23 01:00:00	71.31
1210	2023-12-23 01:15:00	72.80
1211	2023-12-23 01:30:00	76.18
1212	2023-12-23 01:45:00	65.64
1213	2023-12-23 02:00:00	65.92
1214	2023-12-23 02:15:00	65.28
1215	2023-12-23 02:30:00	60.98
1216	2023-12-23 02:45:00	72.83
1217	2023-12-23 03:00:00	71.54
1218	2023-12-23 03:15:00	71.87
1219	2023-12-23 03:30:00	66.80
1220	2023-12-23 03:45:00	70.43

Sl No	Time	Stack_1_Boller_1-PM(mg/Nm3)
1221	2023-12-23 04:00:00	63.49
1222	2023-12-23 04:15:00	58.49
1223	2023-12-23 04:30:00	70.79
1224	2023-12-23 04:45:00	74.65
1225	2023-12-23 05:00:00	74.14
1226	2023-12-23 05:15:00	74.44
1227	2023-12-23 05:30:00	75.32
1228	2023-12-23 05:45:00	71.39
1229	2023-12-23 06:00:00	62.98
1230	2023-12-23 06:15:00	61.37
1231	2023-12-23 06:30:00	62.73
1232	2023-12-23 06:45:00	64.92
1233	2023-12-23 07:00:00	79.78
1234	2023-12-23 07:15:00	78.80
1235	2023-12-23 07:30:00	88.34
1236	2023-12-23 07:45:00	88.94
1237	2023-12-23 08:00:00	89.05
1238	2023-12-23 08:15:00	84.54
1239	2023-12-23 08:30:00	85.56
1240	2023-12-23 08:45:00	75.82
1241	2023-12-23 09:00:00	68.60
1242	2023-12-23 09:15:00	67.54
1243	2023-12-23 09:30:00	30.04
1244	2023-12-23 09:45:00	138.18
1245	2023-12-23 10:00:00	110.57
1246	2023-12-23 10:15:00	80.10
1247	2023-12-23 10:30:00	72.34
1248	2023-12-23 10:45:00	76.67
1249	2023-12-23 11:00:00	46.78
1250	2023-12-23 11:15:00	43.24
1251	2023-12-23 11:30:00	45.26
1252	2023-12-23 11:45:00	46.05
1253	2023-12-23 12:00:00	45.46
1254	2023-12-23 12:15:00	47.67
1255	2023-12-23 12:30:00	42.73
1256	2023-12-23 12:45:00	29.73
1257	2023-12-23 13:00:00	30.49
1258	2023-12-23 13:15:00	26.74
1259	2023-12-23 13:30:00	28.57
1260	2023-12-23 13:45:00	23.45
1261	2023-12-23 14:00:00	23.49
1262	2023-12-23 14:15:00	21.16
1263	2023-12-23 14:30:00	22.65
1264	2023-12-23 14:45:00	20.73

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
1265	2023-12-23 15:00:00	21.54
1266	2023-12-23 15:15:00	21.21
1267	2023-12-23 15:30:00	20.02
1268	2023-12-23 15:45:00	21.29
1269	2023-12-23 16:00:00	19.30
1270	2023-12-23 16:15:00	20.15
1271	2023-12-23 16:30:00	25.63
1272	2023-12-23 16:45:00	36.78
1273	2023-12-23 17:00:00	48.08
1274	2023-12-23 17:15:00	48.33
1275	2023-12-23 17:30:00	94.09
1276	2023-12-23 17:45:00	146.90
1277	2023-12-23 18:00:00	150.00
1278	2023-12-23 18:15:00	150.00
1279	2023-12-23 18:30:00	146.41
1280	2023-12-23 18:45:00	150.00
1281	2023-12-23 19:00:00	150.00
1282	2023-12-23 19:15:00	150.00
1283	2023-12-23 19:30:00	150.00
1284	2023-12-23 19:45:00	142.94
1285	2023-12-23 20:00:00	145.76
1286	2023-12-23 20:15:00	148.72
1287	2023-12-23 20:30:00	150.00
1288	2023-12-23 20:45:00	150.00
1289	2023-12-23 21:00:00	146.48
1290	2023-12-23 21:15:00	150.00
1291	2023-12-23 21:30:00	150.00
1292	2023-12-23 21:45:00	150.00
1293	2023-12-23 22:00:00	150.00
1294	2023-12-23 22:15:00	148.70
1295	2023-12-23 22:30:00	150.00
1296	2023-12-23 22:45:00	150.00
1297	2023-12-23 23:00:00	150.00
1298	2023-12-23 23:15:00	150.00
1299	2023-12-23 23:30:00	150.00
1300	2023-12-23 23:45:00	150.00
1301	2023-12-24 00:00:00	150.00
1302	2023-12-24 00:15:00	149.10
1303	2023-12-24 00:30:00	150.00
1304	2023-12-24 00:45:00	150.00
1305	2023-12-24 01:00:00	150.00
1306	2023-12-24 01:15:00	150.00
1307	2023-12-24 01:30:00	146.89
1308	2023-12-24 01:45:00	150.00

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
1309	2023-12-24 02:00:00	150.00
1310	2023-12-24 02:15:00	150.00
1311	2023-12-24 02:30:00	150.00
1312	2023-12-24 02:45:00	150.00
1313	2023-12-24 03:00:00	150.00
1314	2023-12-24 03:15:00	150.00
1315	2023-12-24 03:30:00	150.00
1316	2023-12-24 03:45:00	150.00
1317	2023-12-24 04:00:00	150.00
1318	2023-12-24 04:15:00	150.00
1319	2023-12-24 04:30:00	150.00
1320	2023-12-24 04:45:00	150.00
1321	2023-12-24 05:00:00	150.00
1322	2023-12-24 05:15:00	150.00
1323	2023-12-24 05:30:00	150.00
1324	2023-12-24 05:45:00	150.00
1325	2023-12-24 06:00:00	150.00
1326	2023-12-24 06:15:00	150.00
1327	2023-12-24 06:30:00	150.00
1328	2023-12-24 06:45:00	150.00
1329	2023-12-24 07:00:00	150.00
1330	2023-12-24 07:15:00	150.00
1331	2023-12-24 07:30:00	150.00
1332	2023-12-24 07:45:00	150.00
1333	2023-12-24 08:00:00	148.65
1334	2023-12-24 08:15:00	150.00
1335	2023-12-24 08:30:00	144.45
1336	2023-12-24 08:45:00	147.97
1337	2023-12-24 09:00:00	150.00
1338	2023-12-24 09:15:00	148.77
1339	2023-12-24 09:30:00	149.51
1340	2023-12-24 09:45:00	149.28
1341	2023-12-24 10:00:00	150.00
1342	2023-12-24 10:15:00	148.42
1343	2023-12-24 10:30:00	150.00
1344	2023-12-24 10:45:00	148.78
1345	2023-12-24 11:00:00	142.02
1346	2023-12-24 11:15:00	145.55
1347	2023-12-24 11:30:00	146.15
1348	2023-12-24 11:45:00	149.91
1349	2023-12-24 12:00:00	143.40
1350	2023-12-24 12:15:00	146.21
1351	2023-12-24 12:30:00	149.27
1352	2023-12-24 12:45:00	148.37

Sl No	Time	Stack_1_Boller_1-PM(mg/Nm3)
1353	2023-12-24 13:00:00	146.40
1354	2023-12-24 13:15:00	148.53
1355	2023-12-24 13:30:00	149.63
1356	2023-12-24 13:45:00	146.78
1357	2023-12-24 14:00:00	146.53
1358	2023-12-24 14:15:00	145.71
1359	2023-12-24 14:30:00	148.42
1360	2023-12-24 14:45:00	148.01
1361	2023-12-24 15:00:00	144.69
1362	2023-12-24 15:15:00	150.00
1363	2023-12-24 15:30:00	148.64
1364	2023-12-24 15:45:00	150.00
1365	2023-12-24 16:00:00	150.00
1366	2023-12-24 16:15:00	150.00
1367	2023-12-24 16:30:00	150.00
1368	2023-12-24 16:45:00	150.00
1369	2023-12-24 17:00:00	146.91
1370	2023-12-24 17:15:00	142.31
1371	2023-12-24 17:30:00	148.41
1372	2023-12-24 17:45:00	149.58
1373	2023-12-24 18:00:00	144.08
1374	2023-12-24 18:15:00	148.13
1375	2023-12-24 18:30:00	147.37
1376	2023-12-24 18:45:00	147.12
1377	2023-12-24 19:00:00	139.43
1378	2023-12-24 19:15:00	136.30
1379	2023-12-24 19:30:00	139.90
1380	2023-12-24 19:45:00	141.83
1381	2023-12-24 20:00:00	143.72
1382	2023-12-24 20:15:00	142.91
1383	2023-12-24 20:30:00	145.58
1384	2023-12-24 20:45:00	146.08
1385	2023-12-24 21:00:00	136.26
1386	2023-12-24 21:15:00	139.02
1387	2023-12-24 21:30:00	144.04
1388	2023-12-24 21:45:00	143.43
1389	2023-12-24 22:00:00	142.83
1390	2023-12-24 22:15:00	144.66
1391	2023-12-24 22:30:00	140.19
1392	2023-12-24 22:45:00	147.78
1393	2023-12-24 23:00:00	147.68
1394	2023-12-24 23:15:00	143.53
1395	2023-12-24 23:30:00	135.97
1396	2023-12-24 23:45:00	142.84
1397	2023-12-25 00:00:00	134.88

Sl No	Time	Stack_1_Boiler_1-PM(mg/Nm3)
1398	2023-12-25 00:15:00	139.10
1399	2023-12-25 00:30:00	132.60
1400	2023-12-25 00:45:00	145.19
1401	2023-12-25 01:00:00	136.53
1402	2023-12-25 01:15:00	136.71
1403	2023-12-25 01:30:00	137.61
1404	2023-12-25 01:45:00	137.80
1405	2023-12-25 02:00:00	143.92
1406	2023-12-25 02:15:00	139.95
1407	2023-12-25 02:30:00	NA
1408	2023-12-25 02:45:00	NA
1409	2023-12-25 03:00:00	NA
1410	2023-12-25 03:15:00	NA
1411	2023-12-25 03:30:00	NA
1412	2023-12-25 03:45:00	NA
1413	2023-12-25 04:00:00	NA
1414	2023-12-25 04:15:00	NA
1415	2023-12-25 04:30:00	NA
1416	2023-12-25 04:45:00	NA
1417	2023-12-25 05:00:00	NA
1418	2023-12-25 05:15:00	NA

Report Details: SRO_SOLAPUR | 2024-05-08 11:16:47 | Real Time Report

Maharashtra Pollution Control Board

Site Name: Jakraya Sugar Ltd. (Sugar)

Report: Real Time Report

From Date: 2023-12-10 11:00 To Date: 2023-12-25 05:15

Description	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
Prescribed Standards	0 -	0 -	0 -	0 -	0 -
Maximum Data	29.56	262.05	0.0	112.37	8.59
Minimum Data	7.09	83.95	0.0	16.97	2.0
Geometric Mean	20.52	189.58	0.0	53.74	7.2
Median	21.28	195.9	0.0	53.21	7.24
Standard Deviation	4.45	35.57	0.0	15.26	0.71
Maximum Value At Time	2023-12-21 06:45:00	2023-12-25 05:15:00	2023-12-10 11:00:00	2023-12-11 18:15:00	2023-12-22 21:00:00
Minimum Value At Time	2023-12-12 17:45:00	2023-12-12 17:30:00	2023-12-10 11:00:00	2023-12-12 17:30:00	2023-12-16 05:30:00
Valid Data Points	1413	1413	1410	1413	1413
Total Data Points	1418	1418	1418	1418	1418
Data Availability %	99.65%	99.65%	99.44%	99.65%	99.65%

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
1	2023-12-10 11:00:00	8.35	94.45	0.0	32.63	6.93
2	2023-12-10 11:15:00	8.35	95.82	0.0	34.50	6.73
3	2023-12-10 11:30:00	8.56	97.20	0.0	34.88	6.64
4	2023-12-10 11:45:00	8.78	97.18	0.0	35.27	6.79
5	2023-12-10 12:00:00	8.56	99.20	0.0	35.47	6.93
6	2023-12-10 12:15:00	9.00	100.57	0.0	36.43	6.90
7	2023-12-10 12:30:00	9.00	102.62	0.0	37.18	6.88
8	2023-12-10 12:45:00	9.41	104.30	0.0	38.33	6.87
9	2023-12-10 13:00:00	9.84	106.00	0.0	38.70	6.90
10	2023-12-10 13:15:00	9.63	108.35	0.0	40.61	6.94
11	2023-12-10 13:30:00	10.05	110.07	0.0	42.17	6.93
12	2023-12-10 13:45:00	10.27	111.78	0.0	43.67	6.88

Sl No	Time	ETP 1 OUTLET- BOD(mg/l)	ETP 1 OUTLET- COD(mg/l)	ETP 1 OUTLET- Flow(m ³ /hr)	ETP 1 OUTLET- TSS(mg/l)	ETP 1 OUTLET- pH(pH)
13	2023-12-10 14:00:00	10.47	113.80	0.0	43.67	6.80
14	2023-12-10 14:15:00	10.47	116.17	0.0	46.35	6.79
15	2023-12-10 14:30:00	10.69	117.53	0.0	46.73	6.79
16	2023-12-10 14:45:00	11.13	120.58	0.0	48.27	6.80
17	2023-12-10 15:00:00	11.54	122.28	0.0	50.16	6.81
18	2023-12-10 15:15:00	12.38	124.30	0.0	51.70	6.82
19	2023-12-10 15:30:00	11.96	127.03	0.0	53.21	6.85
20	2023-12-10 15:45:00	12.60	129.08	0.0	54.36	6.85
21	2023-12-10 16:00:00	12.81	131.78	0.0	57.02	6.87
22	2023-12-10 16:15:00	13.45	133.82	0.0	58.56	6.87
23	2023-12-10 16:30:00	13.67	135.85	0.0	60.10	6.90
24	2023-12-10 16:45:00	13.66	138.57	0.0	61.63	6.93
25	2023-12-10 17:00:00	14.31	140.60	0.0	63.51	6.96
26	2023-12-10 17:15:00	14.94	144.00	0.0	66.56	6.94
27	2023-12-10 17:30:00	15.15	146.72	0.0	68.10	6.96
28	2023-12-10 17:45:00	15.15	148.75	0.0	70.01	6.95
29	2023-12-10 18:00:00	16.00	152.13	0.0	72.30	6.96
30	2023-12-10 18:15:00	15.78	155.18	0.0	74.96	6.98
31	2023-12-10 18:30:00	16.21	157.90	0.0	76.52	6.98
32	2023-12-10 18:45:00	16.84	160.62	0.0	79.16	6.99
33	2023-12-10 19:00:00	17.26	163.67	0.0	81.47	7.00
34	2023-12-10 19:15:00	17.47	167.73	0.0	84.13	7.01
35	2023-12-10 19:30:00	17.69	170.80	0.0	86.42	7.02
36	2023-12-10 19:45:00	18.97	175.53	0.0	90.24	7.03
37	2023-12-10 20:00:00	19.17	178.93	0.0	93.30	7.03
38	2023-12-10 20:15:00	18.13	170.80	0.0	86.04	7.39

Sl No	Time	ETP_1 OUTLET- BOD(mg/l)	ETP_1 OUTLET- COD(mg/l)	ETP_1 OUTLET- Flow(m3/hr)	ETP_1 OUTLET- TSS(mg/l)	ETP_1 OUTLET- pH(pH)
39	2023-12-10 20:30:00	15.56	150.10	0.0	71.14	7.64
40	2023-12-10 20:45:00	15.35	150.10	0.0	69.99	6.38
41	2023-12-10 21:00:00	15.57	150.43	0.0	70.37	6.41
42	2023-12-10 21:15:00	15.56	150.10	0.0	70.76	6.44
43	2023-12-10 21:30:00	15.56	149.77	0.0	69.99	6.85
44	2023-12-10 21:45:00	13.88	134.83	0.0	57.79	7.16
45	2023-12-10 22:00:00	13.24	131.80	0.0	56.64	7.01
46	2023-12-10 22:15:00	13.03	132.47	0.0	55.52	7.02
47	2023-12-10 22:30:00	13.67	132.47	0.0	56.27	7.03
48	2023-12-10 22:45:00	13.23	133.13	0.0	56.27	7.04
49	2023-12-10 23:00:00	13.66	133.47	0.0	56.64	7.07
50	2023-12-10 23:15:00	13.66	133.13	0.0	56.64	7.06
51	2023-12-10 23:30:00	13.66	134.50	0.0	57.02	7.10
52	2023-12-10 23:45:00	13.88	134.15	0.0	57.02	7.10
53	2023-12-11 00:00:00	13.88	134.50	0.0	57.39	7.12
54	2023-12-11 00:15:00	14.31	134.83	0.0	57.39	7.13
55	2023-12-11 00:30:00	13.88	135.52	0.0	57.39	7.14
56	2023-12-11 00:45:00	14.09	136.52	0.0	58.16	7.15
57	2023-12-11 01:00:00	14.09	136.87	0.0	58.56	7.16
58	2023-12-11 01:15:00	14.73	136.85	0.0	57.77	7.19
59	2023-12-11 01:30:00	14.09	137.88	0.0	59.33	7.20
60	2023-12-11 01:45:00	14.31	138.23	0.0	58.95	7.23
61	2023-12-11 02:00:00	14.52	138.90	0.0	58.93	7.24
62	2023-12-11 02:15:00	14.52	139.57	0.0	59.70	7.25
63	2023-12-11 02:30:00	14.52	140.60	0.0	59.31	7.27
64	2023-12-11 02:45:00	14.31	140.60	0.0	60.08	7.26

Sl No	Time	ETP_1 OUTLET- BOD(mg/l)	ETP_1 OUTLET- COD(mg/l)	ETP_1 OUTLET- Flow(m ³ /hr)	ETP_1 OUTLET- TSS(mg/l)	ETP_1 OUTLET- pH(pH)
65	2023-12-11 03:00:00	14.52	140.60	0.0	60.87	7.28
66	2023-12-11 03:15:00	14.73	141.95	0.0	60.87	7.29
67	2023-12-11 03:30:00	14.73	143.00	0.0	60.87	7.29
68	2023-12-11 03:45:00	14.73	143.33	0.0	60.47	7.29
69	2023-12-11 04:00:00	15.15	143.67	0.0	61.26	7.32
70	2023-12-11 04:15:00	15.15	144.33	0.0	61.24	7.34
71	2023-12-11 04:30:00	15.57	145.35	0.0	62.01	7.34
72	2023-12-11 04:45:00	14.94	145.35	0.0	62.01	7.33
73	2023-12-11 05:00:00	15.15	146.38	0.0	62.38	7.35
74	2023-12-11 05:15:00	15.56	147.05	0.0	62.76	7.34
75	2023-12-11 05:30:00	15.56	147.72	0.0	63.13	7.35
76	2023-12-11 05:45:00	15.78	147.72	0.0	63.51	7.36
77	2023-12-11 06:00:00	15.56	148.75	0.0	64.69	7.36
78	2023-12-11 06:15:00	15.78	149.08	0.0	65.06	7.37
79	2023-12-11 06:30:00	16.22	150.10	0.0	64.69	7.39
80	2023-12-11 06:45:00	15.57	150.10	0.0	65.06	7.37
81	2023-12-11 07:00:00	16.00	151.10	0.0	65.44	7.40
82	2023-12-11 07:15:00	16.22	152.48	0.0	65.81	7.41
83	2023-12-11 07:30:00	16.43	153.48	0.0	65.81	7.41
84	2023-12-11 07:45:00	16.00	152.47	0.0	64.69	7.40
85	2023-12-11 08:00:00	16.22	152.82	0.0	64.30	7.39
86	2023-12-11 08:15:00	16.22	154.15	0.0	65.44	7.43
87	2023-12-11 08:30:00	15.99	154.85	0.0	65.81	7.44
88	2023-12-11 08:45:00	16.43	155.87	0.0	66.56	7.43
89	2023-12-11 09:00:00	16.22	156.55	0.0	66.56	7.42
90	2023-12-11 09:15:00	16.84	156.90	0.0	67.73	7.42

Sl No	Time	ETP_1 OUTLET- BOD(mg/l)	ETP_1 OUTLET- COD(mg/l)	ETP_1 OUTLET- Flow(m3/hr)	ETP_1 OUTLET- TSS(mg/l)	ETP_1 OUTLET- pH(pH)
91	2023-12-11 09:30:00	16.43	157.92	0.0	67.73	7.39
92	2023-12-11 09:45:00	16.63	158.92	0.0	68.10	7.39
93	2023-12-11 10:00:00	16.63	160.63	0.0	69.62	7.40
94	2023-12-11 10:15:00	17.26	161.63	0.0	69.24	7.41
95	2023-12-11 10:30:00	17.26	161.97	0.0	69.99	7.40
96	2023-12-11 10:45:00	16.84	164.02	0.0	70.37	7.37
97	2023-12-11 11:00:00	17.48	165.02	0.0	71.16	7.38
98	2023-12-11 11:15:00	18.34	166.05	0.0	71.93	7.46
99	2023-12-11 11:30:00	17.47	167.07	0.0	71.93	7.54
100	2023-12-11 11:45:00	18.13	168.75	0.0	72.68	7.59
101	2023-12-11 12:00:00	17.91	170.12	0.0	74.59	7.56
102	2023-12-11 12:15:00	18.34	172.17	0.0	75.36	7.54
103	2023-12-11 12:30:00	18.34	173.52	0.0	76.13	7.55
104	2023-12-11 12:45:00	18.34	175.88	0.0	76.90	7.53
105	2023-12-11 13:00:00	18.96	176.57	0.0	78.41	7.53
106	2023-12-11 13:15:00	18.75	177.92	0.0	79.54	7.50
107	2023-12-11 13:30:00	19.17	180.65	0.0	79.93	7.49
108	2023-12-11 13:45:00	19.38	180.65	0.0	79.93	7.45
109	2023-12-11 14:00:00	19.38	183.68	0.0	82.22	7.46
110	2023-12-11 14:15:00	20.03	186.42	0.0	84.15	7.45
111	2023-12-11 14:30:00	20.45	189.47	0.0	85.65	7.44
112	2023-12-11 14:45:00	20.66	191.48	0.0	86.79	7.44
113	2023-12-11 15:00:00	20.66	194.88	0.0	88.71	7.43
114	2023-12-11 15:15:00	21.71	197.58	0.0	90.60	7.44
115	2023-12-11 15:30:00	21.72	198.27	0.0	91.76	7.46
116	2023-12-11 15:45:00	20.66	193.85	0.0	87.94	7.48

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
117	2023-12-11 16:00:00	21.29	195.90	0.0	88.71	7.49
118	2023-12-11 16:15:00	21.50	199.63	0.0	91.39	7.50
119	2023-12-11 16:30:00	21.94	203.03	0.0	94.05	7.50
120	2023-12-11 16:45:00	22.78	207.43	0.0	96.36	7.50
121	2023-12-11 17:00:00	23.22	211.52	0.0	99.02	7.50
122	2023-12-11 17:15:00	23.84	215.58	0.0	100.91	7.51
123	2023-12-11 17:30:00	23.84	218.80	0.0	103.61	7.52
124	2023-12-11 17:45:00	24.69	223.05	0.0	105.88	7.53
125	2023-12-11 18:00:00	25.13	227.10	0.0	109.33	7.53
126	2023-12-11 18:15:00	25.54	231.87	0.0	112.37	7.54
127	2023-12-11 18:30:00	15.78	163.33	0.0	66.21	4.40
128	2023-12-11 18:45:00	11.33	115.17	0.0	38.70	2.95
129	2023-12-11 19:00:00	12.17	123.98	0.0	45.21	3.30
130	2023-12-11 19:15:00	12.81	130.10	0.0	49.01	3.75
131	2023-12-11 19:30:00	13.24	135.85	0.0	53.21	4.35
132	2023-12-11 19:45:00	14.31	139.23	0.0	55.11	4.76
133	2023-12-11 20:00:00	14.94	143.65	0.0	57.79	4.96
134	2023-12-11 20:15:00	15.15	147.40	0.0	60.10	5.22
135	2023-12-11 20:30:00	12.60	128.38	0.0	45.58	6.87
136	2023-12-11 20:45:00	10.05	107.68	0.0	32.63	7.68
137	2023-12-11 21:00:00	10.90	109.38	0.0	33.38	7.60
138	2023-12-11 21:15:00	10.47	111.78	0.0	34.13	7.63
139	2023-12-11 21:30:00	10.91	112.45	0.0	35.67	7.73
140	2023-12-11 21:45:00	10.69	113.80	0.0	35.67	7.71
141	2023-12-11 22:00:00	11.34	115.50	0.0	35.66	7.67
142	2023-12-11 22:15:00	11.54	117.53	0.0	38.33	7.73

Sl No	Time	ETP 1 OUTLET- BOD(mg/l)	ETP 1 OUTLET- COD(mg/l)	ETP 1 OUTLET- Flow(m3/hr)	ETP 1 OUTLET- TSS(mg/l)	ETP 1 OUTLET- pH(pH)
143	2023-12-11 22:30:00	10.91	118.55	0.0	37.93	7.79
144	2023-12-11 22:45:00	11.34	119.22	0.0	38.70	7.79
145	2023-12-11 23:00:00	11.96	119.90	0.0	39.10	7.79
146	2023-12-11 23:15:00	11.75	120.93	0.0	40.24	7.78
147	2023-12-11 23:30:00	11.54	121.60	0.0	40.24	7.78
148	2023-12-11 23:45:00	12.39	121.93	0.0	40.61	7.76
149	2023-12-12 00:00:00	12.17	122.60	0.0	41.00	7.77
150	2023-12-12 00:15:00	13.02	123.98	0.0	41.79	7.75
151	2023-12-12 00:30:00	12.38	124.32	0.0	42.17	7.76
152	2023-12-12 00:45:00	12.39	124.98	0.0	42.92	7.76
153	2023-12-12 01:00:00	12.81	126.68	0.0	43.67	7.75
154	2023-12-12 01:15:00	12.38	127.37	0.0	43.67	7.76
155	2023-12-12 01:30:00	13.24	128.05	0.0	44.44	7.76
156	2023-12-12 01:45:00	13.66	129.08	0.0	45.60	7.75
157	2023-12-12 02:00:00	13.24	129.42	0.0	45.60	7.75
158	2023-12-12 02:15:00	13.45	130.42	0.0	45.98	7.74
159	2023-12-12 02:30:00	13.02	131.43	0.0	46.73	7.74
160	2023-12-12 02:45:00	13.45	132.13	0.0	47.87	7.75
161	2023-12-12 03:00:00	13.45	133.13	0.0	48.27	7.74
162	2023-12-12 03:15:00	13.88	134.83	0.0	48.27	7.75
163	2023-12-12 03:30:00	14.09	134.85	0.0	48.64	7.75
164	2023-12-12 03:45:00	13.88	135.18	0.0	48.66	7.75
165	2023-12-12 04:00:00	14.31	136.18	0.0	49.78	7.75
166	2023-12-12 04:15:00	14.31	137.55	0.0	50.91	7.74
167	2023-12-12 04:30:00	13.88	138.57	0.0	51.30	7.75
168	2023-12-12 04:45:00	14.31	138.90	0.0	52.09	7.74

Sl No	Time	ETP 1 OUTLET- BOD(mg/l)	ETP 1 OUTLET- COD(mg/l)	ETP 1 OUTLET- Flow(m ³ /hr)	ETP 1 OUTLET- TSS(mg/l)	ETP 1 OUTLET- pH(pH)
169	2023-12-12 05:00:00	14.31	139.93	0.0	52.65	7.76
170	2023-12-12 05:15:00	14.52	141.28	0.0	53.59	7.76
171	2023-12-12 05:30:00	14.94	141.45	0.0	54.34	7.76
172	2023-12-12 05:45:00	14.94	143.00	0.0	54.34	7.76
173	2023-12-12 06:00:00	15.35	145.37	0.0	55.89	7.76
174	2023-12-12 06:15:00	14.94	146.03	0.0	56.27	7.76
175	2023-12-12 06:30:00	15.57	147.05	0.0	57.02	7.77
176	2023-12-12 06:45:00	15.35	148.75	0.0	57.39	7.76
177	2023-12-12 07:00:00	16.00	150.10	0.0	58.16	7.77
178	2023-12-12 07:15:00	15.79	151.10	0.0	59.70	7.77
179	2023-12-12 07:30:00	16.22	152.13	0.0	59.70	7.78
180	2023-12-12 07:45:00	16.43	153.82	0.0	61.26	7.76
181	2023-12-12 08:00:00	16.00	154.17	0.0	62.01	7.78
182	2023-12-12 08:15:00	16.22	155.87	0.0	62.38	7.76
183	2023-12-12 08:30:00	16.84	156.90	0.0	63.13	7.73
184	2023-12-12 08:45:00	16.84	158.93	0.0	63.90	7.74
185	2023-12-12 09:00:00	17.26	159.95	0.0	65.06	7.75
186	2023-12-12 09:15:00	17.05	161.63	0.0	66.56	7.75
187	2023-12-12 09:30:00	17.26	162.32	0.0	66.96	7.74
188	2023-12-12 09:45:00	17.70	164.02	0.0	68.12	7.71
189	2023-12-12 10:00:00	17.69	167.07	0.0	69.62	7.70
190	2023-12-12 10:15:00	17.91	167.40	0.0	71.16	7.69
191	2023-12-12 10:30:00	18.32	170.12	0.0	72.30	7.70
192	2023-12-12 10:45:00	18.32	171.48	0.0	73.43	7.71
193	2023-12-12 11:00:00	18.34	172.50	0.0	73.80	7.77
194	2023-12-12 11:15:00	18.32	173.50	0.0	74.96	7.74

Sl No	Time	ETP_1 OUTLET- BOD(mg/l)	ETP_1 OUTLET- COD(mg/l)	ETP_1 OUTLET- Flow(m ³ /hr)	ETP_1 OUTLET- TSS(mg/l)	ETP_1 OUTLET- pH(pH)
195	2023-12-12 11:30:00	18.96	175.22	0.0	75.73	7.73
196	2023-12-12 11:45:00	18.75	177.93	0.0	77.64	7.73
197	2023-12-12 12:00:00	19.17	177.58	0.0	79.16	7.70
198	2023-12-12 12:15:00	19.17	179.62	0.0	79.56	7.71
199	2023-12-12 12:30:00	19.81	180.63	0.0	81.47	7.71
200	2023-12-12 12:45:00	20.03	183.35	0.0	82.97	7.72
201	2023-12-12 13:00:00	20.24	184.70	0.0	83.76	7.72
202	2023-12-12 13:15:00	20.34	187.25	0.0	85.28	7.72
203	2023-12-12 13:30:00	19.81	188.45	0.0	86.99	7.68
204	2023-12-12 13:45:00	20.45	190.82	0.0	88.71	7.68
205	2023-12-12 14:00:00	20.45	194.20	0.0	89.85	7.68
206	2023-12-12 14:15:00	21.07	196.23	0.0	91.76	7.68
207	2023-12-12 14:30:00	21.50	198.28	0.0	93.69	7.68
208	2023-12-12 14:45:00	21.94	202.02	0.0	95.59	7.68
209	2023-12-12 15:00:00	21.94	204.38	0.0	97.88	7.68
210	2023-12-12 15:15:00	22.35	207.10	0.0	99.79	7.68
211	2023-12-12 15:30:00	23.00	210.82	0.0	100.93	7.64
212	2023-12-12 15:45:00	22.78	212.53	0.0	103.22	7.60
213	2023-12-12 16:00:00	23.21	216.25	0.0	105.11	7.60
214	2023-12-12 16:15:00	23.84	218.98	0.0	107.42	7.57
215	2023-12-12 16:30:00	22.77	209.13	0.0	97.86	7.95
216	2023-12-12 16:45:00	21.07	194.88	0.0	86.03	6.21
217	2023-12-12 17:00:00	19.81	186.42	0.0	79.17	6.25
218	2023-12-12 17:15:00	8.15	93.10	0.0	20.02	6.38
219	2023-12-12 17:30:00	7.31	83.95	0.0	16.97	6.38
220	2023-12-12 17:45:00	7.09	85.30	0.0	18.47	6.46

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m ³ /hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
221	2023-12-12 18:00:00	7.52	88.02	0.0	20.03	6.50
222	2023-12-12 18:15:00	7.73	89.72	0.0	20.40	6.50
223	2023-12-12 18:30:00	7.73	91.40	0.0	21.53	6.52
224	2023-12-12 18:45:00	7.94	91.05	0.0	22.28	6.57
225	2023-12-12 19:00:00	7.94	92.77	0.0	23.46	6.61
226	2023-12-12 19:15:00	8.35	93.77	0.0	23.83	6.55
227	2023-12-12 19:30:00	8.15	93.45	0.0	24.21	6.56
228	2023-12-12 19:45:00	8.15	94.45	0.0	24.21	6.61
229	2023-12-12 20:00:00	8.78	94.80	0.0	24.21	6.64
230	2023-12-12 20:15:00	9.00	96.15	0.0	24.60	6.62
231	2023-12-12 20:30:00	9.00	96.50	0.0	25.76	6.61
232	2023-12-12 20:45:00	8.78	97.87	0.0	26.51	6.62
233	2023-12-12 21:00:00	9.22	98.53	0.0	27.26	6.68
234	2023-12-12 21:15:00	9.22	99.55	0.0	27.26	6.71
235	2023-12-12 21:30:00	9.22	100.25	0.0	28.40	6.73
236	2023-12-12 21:45:00	9.43	100.92	0.0	27.26	6.75
237	2023-12-12 22:00:00	8.78	101.25	0.0	28.80	6.77
238	2023-12-12 22:15:00	9.22	100.92	0.0	28.78	6.79
239	2023-12-12 22:30:00	9.63	101.58	0.0	29.17	6.81
240	2023-12-12 22:45:00	9.84	102.60	0.0	28.80	6.78
241	2023-12-12 23:00:00	9.84	103.97	0.0	29.57	6.82
242	2023-12-12 23:15:00	10.26	104.98	0.0	31.44	6.88
243	2023-12-12 23:30:00	10.26	106.00	0.0	31.44	6.89
244	2023-12-12 23:45:00	10.05	107.02	0.0	31.44	6.87
245	2023-12-13 00:00:00	10.26	108.70	0.0	32.23	6.88
246	2023-12-13 00:15:00	10.26	108.70	0.0	32.23	6.88

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
247	2023-12-13 00:30:00	10.69	110.07	0.0	33.38	6.90
248	2023-12-13 00:45:00	10.47	111.10	0.0	34.50	6.91
249	2023-12-13 01:00:00	10.47	112.12	0.0	34.52	6.94
250	2023-12-13 01:15:00	10.91	112.45	0.0	34.13	6.96
251	2023-12-13 01:30:00	10.91	112.80	0.0	35.67	6.96
252	2023-12-13 01:45:00	11.13	115.50	0.0	36.43	6.98
253	2023-12-13 02:00:00	11.34	116.52	0.0	37.18	7.00
254	2023-12-13 02:15:00	11.12	116.52	0.0	37.18	7.01
255	2023-12-13 02:30:00	11.54	118.22	0.0	37.93	7.00
256	2023-12-13 02:45:00	11.75	118.88	0.0	38.33	7.04
257	2023-12-13 03:00:00	12.17	119.92	0.0	39.49	7.04
258	2023-12-13 03:15:00	11.96	120.93	0.0	39.86	7.05
259	2023-12-13 03:30:00	12.60	122.27	0.0	41.79	7.06
260	2023-12-13 03:45:00	12.38	123.65	0.0	40.61	7.07
261	2023-12-13 04:00:00	12.81	123.98	0.0	41.79	7.09
262	2023-12-13 04:15:00	12.81	125.67	0.0	43.29	7.09
263	2023-12-13 04:30:00	13.03	127.03	0.0	43.29	7.11
264	2023-12-13 04:45:00	12.81	127.70	0.0	44.04	7.12
265	2023-12-13 05:00:00	13.66	129.42	0.0	45.23	7.13
266	2023-12-13 05:15:00	13.24	130.75	0.0	47.10	7.14
267	2023-12-13 05:30:00	13.45	132.12	0.0	47.10	7.14
268	2023-12-13 05:45:00	13.66	133.48	0.0	47.48	7.14
269	2023-12-13 06:00:00	13.88	134.83	0.0	48.64	7.16
270	2023-12-13 06:15:00	13.67	135.52	0.0	49.78	7.16
271	2023-12-13 06:30:00	14.09	137.20	0.0	50.16	7.16
272	2023-12-13 06:45:00	14.09	137.55	0.0	50.53	7.18

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
273	2023-12-13 07:00:00	14.30	139.92	0.0	52.09	7.19
274	2023-12-13 07:15:00	15.15	139.90	0.0	52.09	7.19
275	2023-12-13 07:30:00	15.35	142.65	0.0	53.59	7.18
276	2023-12-13 07:45:00	14.73	143.67	0.0	54.36	7.19
277	2023-12-13 08:00:00	15.57	146.72	0.0	55.89	7.19
278	2023-12-13 08:15:00	15.78	148.05	0.0	57.02	7.19
279	2023-12-13 08:30:00	15.35	149.77	0.0	57.77	7.17
280	2023-12-13 08:45:00	15.78	152.13	0.0	58.56	7.19
281	2023-12-13 09:00:00	16.53	152.12	0.0	58.95	7.22
282	2023-12-13 09:15:00	16.22	155.53	0.0	60.47	7.23
283	2023-12-13 09:30:00	16.43	157.57	0.0	63.92	7.20
284	2023-12-13 09:45:00	17.05	160.97	0.0	64.69	7.15
285	2023-12-13 10:00:00	16.22	156.88	0.0	62.76	7.14
286	2023-12-13 10:15:00	16.84	159.27	0.0	63.90	7.12
287	2023-12-13 10:30:00	17.05	162.32	0.0	66.96	7.12
288	2023-12-13 10:45:00	17.47	166.03	0.0	67.73	7.14
289	2023-12-13 11:00:00	17.26	170.12	0.0	70.76	7.12
290	2023-12-13 11:15:00	18.34	174.18	0.0	73.44	7.12
291	2023-12-13 11:30:00	18.75	178.60	0.0	75.73	7.11
292	2023-12-13 11:45:00	19.17	180.97	0.0	78.41	7.14
293	2023-12-13 12:00:00	20.03	184.72	0.0	80.72	7.24
294	2023-12-13 12:15:00	17.48	166.38	0.0	58.56	7.11
295	2023-12-13 12:30:00	17.05	165.35	0.0	53.96	6.57
296	2023-12-13 12:45:00	17.47	165.70	0.0	55.13	6.51
297	2023-12-13 13:00:00	17.69	166.73	0.0	55.89	6.58

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m ³ /hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
298	2023-12-13 13:15:00	17.69	167.07	0.0	56.27	6.71
299	2023-12-13 13:30:00	17.69	168.75	0.0	56.64	6.84
300	2023-12-13 13:45:00	17.91	169.10	0.0	56.27	6.78
301	2023-12-13 14:00:00	NA	NA	NA	NA	NA
302	2023-12-13 14:15:00	NA	NA	NA	NA	NA
303	2023-12-13 14:30:00	17.16	167.40	0.0	55.49	6.62
304	2023-12-13 14:45:00	17.47	167.07	0.0	55.13	6.65
305	2023-12-13 15:00:00	17.69	166.40	0.0	55.13	6.69
306	2023-12-13 15:15:00	17.47	166.38	0.0	55.13	6.72
307	2023-12-13 15:30:00	17.26	167.07	0.0	55.89	6.72
308	2023-12-13 15:45:00	17.05	168.40	0.0	55.89	6.76
309	2023-12-13 16:00:00	17.91	168.07	0.0	56.64	6.76
310	2023-12-13 16:15:00	17.47	169.10	0.0	56.64	6.77
311	2023-12-13 16:30:00	17.90	170.12	0.0	57.79	6.79
312	2023-12-13 16:45:00	17.91	170.80	0.0	58.16	6.82
313	2023-12-13 17:00:00	17.91	171.15	0.0	58.56	6.84
314	2023-12-13 17:15:00	18.34	171.15	0.0	59.70	6.88
315	2023-12-13 17:30:00	18.13	172.17	0.0	59.70	6.85
316	2023-12-13 17:45:00	18.34	174.20	0.0	60.47	6.86
317	2023-12-13 18:00:00	18.34	174.88	0.0	61.24	6.87
318	2023-12-13 18:15:00	18.54	175.88	0.0	62.01	6.88
319	2023-12-13 18:30:00	18.96	176.90	0.0	63.13	6.88
320	2023-12-13 18:45:00	19.17	177.93	0.0	63.90	6.90
321	2023-12-13 19:00:00	18.96	178.60	0.0	64.67	6.91
322	2023-12-13 19:15:00	19.39	180.98	0.0	65.06	6.93
323	2023-12-13 19:30:00	19.38	181.32	0.0	65.81	6.93

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m ³ /hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
324	2023-12-13 19:45:00	19.60	182.32	0.0	67.33	6.95
325	2023-12-13 20:00:00	19.18	184.37	0.0	68.12	6.96
326	2023-12-13 20:15:00	20.24	185.73	0.0	68.12	6.95
327	2023-12-13 20:30:00	20.03	185.07	0.0	67.72	6.97
328	2023-12-13 20:45:00	20.02	184.72	0.0	68.49	6.98
329	2023-12-13 21:00:00	20.24	185.75	0.0	69.24	7.00
330	2023-12-13 21:15:00	19.81	181.33	0.0	64.67	8.08
331	2023-12-13 21:30:00	17.69	165.72	0.0	54.73	8.44
332	2023-12-13 21:45:00	16.63	159.95	0.0	53.21	5.28
333	2023-12-13 22:00:00	17.05	160.63	0.0	52.46	6.17
334	2023-12-13 22:15:00	17.27	161.97	0.0	53.21	6.30
335	2023-12-13 22:30:00	16.84	161.97	0.0	52.84	6.38
336	2023-12-13 22:45:00	17.26	161.63	0.0	53.96	6.41
337	2023-12-13 23:00:00	17.27	161.30	0.0	53.21	6.47
338	2023-12-13 23:15:00	16.84	160.30	0.0	51.70	6.47
339	2023-12-13 23:30:00	17.47	160.97	0.0	51.70	6.47
340	2023-12-13 23:45:00	17.05	161.63	0.0	52.09	6.46
341	2023-12-14 00:00:00	17.26	161.97	0.0	52.46	6.52
342	2023-12-14 00:15:00	17.26	161.97	0.0	52.07	6.56
343	2023-12-14 00:30:00	17.26	161.97	0.0	52.84	6.57
344	2023-12-14 00:45:00	17.26	163.35	0.0	52.46	6.57
345	2023-12-14 01:00:00	17.47	163.00	0.0	53.21	6.57
346	2023-12-14 01:15:00	17.69	164.02	0.0	53.21	6.59
347	2023-12-14 01:30:00	17.91	165.02	0.0	53.59	6.56
348	2023-12-14 01:45:00	17.69	166.40	0.0	55.13	6.59
349	2023-12-14 02:00:00	18.13	167.07	0.0	54.34	6.62

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
350	2023-12-14 02:15:00	17.47	167.07	0.0	56.27	6.68
351	2023-12-14 02:30:00	18.13	168.07	0.0	56.27	6.70
352	2023-12-14 02:45:00	18.12	168.75	0.0	56.27	6.71
353	2023-12-14 03:00:00	18.34	170.12	0.0	56.64	6.70
354	2023-12-14 03:15:00	18.12	169.43	0.0	56.64	6.72
355	2023-12-14 03:30:00	18.54	170.12	0.0	57.02	6.72
356	2023-12-14 03:45:00	18.34	171.48	0.0	57.02	6.72
357	2023-12-14 04:00:00	18.32	171.15	0.0	57.39	6.72
358	2023-12-14 04:15:00	17.91	171.83	0.0	57.39	6.71
359	2023-12-14 04:30:00	18.13	172.17	0.0	58.16	6.72
360	2023-12-14 04:45:00	18.96	173.50	0.0	58.16	6.73
361	2023-12-14 05:00:00	18.54	174.20	0.0	58.56	6.77
362	2023-12-14 05:15:00	18.96	174.88	0.0	58.56	6.80
363	2023-12-14 05:30:00	18.96	175.90	0.0	59.70	6.81
364	2023-12-14 05:45:00	19.17	176.55	0.0	60.47	6.84
365	2023-12-14 06:00:00	19.38	177.60	0.0	61.24	6.86
366	2023-12-14 06:15:00	19.17	179.27	0.0	61.26	6.87
367	2023-12-14 06:30:00	19.81	179.95	0.0	62.76	6.88
368	2023-12-14 06:45:00	19.38	180.63	0.0	63.13	6.89
369	2023-12-14 07:00:00	19.81	182.32	0.0	63.13	6.91
370	2023-12-14 07:15:00	20.03	183.00	0.0	64.30	6.91
371	2023-12-14 07:30:00	20.02	184.03	0.0	65.06	6.86
372	2023-12-14 07:45:00	20.45	185.40	0.0	65.44	6.80
373	2023-12-14 08:00:00	20.24	187.08	0.0	66.19	6.81
374	2023-12-14 08:15:00	20.66	188.12	0.0	67.33	6.83
375	2023-12-14 08:30:00	20.87	190.47	0.0	68.12	6.85

Sl No	Time	ETP 1 OUTLET- BOD(mg/l)	ETP 1 OUTLET- COD(mg/l)	ETP 1 OUTLET- Flow(m ³ /hr)	ETP 1 OUTLET- TSS(mg/l)	ETP 1 OUTLET- pH(pH)
376	2023-12-14 08:45:00	21.28	191.50	0.0	69.99	6.89
377	2023-12-14 09:00:00	20.87	193.18	0.0	69.99	6.89
378	2023-12-14 09:15:00	20.87	192.85	0.0	70.37	6.89
379	2023-12-14 09:30:00	21.28	195.23	0.0	71.16	6.89
380	2023-12-14 09:45:00	21.50	196.92	0.0	72.68	6.84
381	2023-12-14 10:00:00	21.50	198.97	0.0	73.80	6.82
382	2023-12-14 10:15:00	22.25	201.00	0.0	74.95	6.84
383	2023-12-14 10:30:00	22.13	203.05	0.0	76.11	6.83
384	2023-12-14 10:45:00	22.35	205.05	0.0	78.02	6.84
385	2023-12-14 11:00:00	22.78	207.12	0.0	78.79	6.95
386	2023-12-14 11:15:00	23.00	209.48	0.0	80.33	7.07
387	2023-12-14 11:30:00	22.78	211.85	0.0	82.22	7.05
388	2023-12-14 11:45:00	23.63	214.88	0.0	83.36	7.01
389	2023-12-14 12:00:00	23.84	216.95	0.0	84.90	7.01
390	2023-12-14 12:15:00	24.26	220.33	0.0	87.56	7.00
391	2023-12-14 12:30:00	24.91	223.73	0.0	90.22	6.96
392	2023-12-14 12:45:00	24.91	227.78	0.0	92.16	6.91
393	2023-12-14 13:00:00	25.13	230.85	0.0	94.44	6.97
394	2023-12-14 13:15:00	25.75	234.58	0.0	97.50	7.02
395	2023-12-14 13:30:00	27.02	238.65	0.0	100.56	7.03
396	2023-12-14 13:45:00	26.81	242.05	0.0	103.59	6.96
397	2023-12-14 14:00:00	27.66	246.12	0.0	105.51	6.94
398	2023-12-14 14:15:00	27.66	250.20	0.0	108.96	6.95
399	2023-12-14 14:30:00	28.50	254.25	0.0	112.00	6.97
400	2023-12-14 14:45:00	19.39	185.03	0.0	60.07	7.91
401	2023-12-14 15:00:00	12.60	128.05	0.0	21.90	6.69

Sl No	Time	ETP_1 OUTLET- BOD(mg/l)	ETP_1 OUTLET- COD(mg/l)	ETP_1 OUTLET- Flow(m3/hr)	ETP_1 OUTLET- TSS(mg/l)	ETP_1 OUTLET- pH(pH)
402	2023-12-14 15:15:00	12.38	129.42	0.0	21.90	6.60
403	2023-12-14 15:30:00	13.03	130.43	0.0	23.81	6.42
404	2023-12-14 15:45:00	13.03	130.75	0.0	23.46	6.43
405	2023-12-14 16:00:00	13.03	131.80	0.0	22.69	6.45
406	2023-12-14 16:15:00	14.09	141.62	0.0	30.69	7.44
407	2023-12-14 16:30:00	16.00	151.80	0.0	36.42	7.54
408	2023-12-14 16:45:00	15.78	152.82	0.0	38.31	7.47
409	2023-12-14 17:00:00	15.56	150.77	0.0	34.90	7.40
410	2023-12-14 17:15:00	15.35	150.10	0.0	35.29	7.53
411	2023-12-14 17:30:00	14.94	148.75	0.0	35.27	7.57
412	2023-12-14 17:45:00	15.56	149.10	0.0	34.88	7.39
413	2023-12-14 18:00:00	15.35	150.10	0.0	35.66	7.40
414	2023-12-14 18:15:00	15.56	150.43	0.0	35.27	7.44
415	2023-12-14 18:30:00	15.57	150.10	0.0	35.27	7.47
416	2023-12-14 18:45:00	16.00	152.82	0.0	37.18	7.49
417	2023-12-14 19:00:00	16.43	156.57	0.0	39.10	7.51
418	2023-12-14 19:15:00	16.84	158.58	0.0	39.08	7.51
419	2023-12-14 19:30:00	16.84	160.97	0.0	40.24	7.53
420	2023-12-14 19:45:00	17.48	164.02	0.0	41.77	7.53
421	2023-12-14 20:00:00	17.48	163.68	0.0	42.17	7.53
422	2023-12-14 20:15:00	17.26	163.68	0.0	41.79	7.53
423	2023-12-14 20:30:00	17.70	163.33	0.0	41.77	7.54
424	2023-12-14 20:45:00	16.22	156.90	0.0	39.49	7.53
425	2023-12-14 21:00:00	17.27	158.93	0.0	40.61	7.54
426	2023-12-14 21:15:00	17.69	164.00	0.0	43.67	7.54
427	2023-12-14 21:30:00	17.69	168.42	0.0	44.44	7.54

Sl No	Time	ETP 1 OUTLET- BOD(mg/l)	ETP 1 OUTLET- COD(mg/l)	ETP 1 OUTLET- Flow(m ³ /hr)	ETP 1 OUTLET- TSS(mg/l)	ETP 1 OUTLET- pH(pH)
428	2023-12-14 21:45:00	17.47	166.03	0.0	42.54	7.54
429	2023-12-14 22:00:00	17.48	165.02	0.0	44.04	7.54
430	2023-12-14 22:15:00	17.70	167.05	0.0	44.83	7.56
431	2023-12-14 22:30:00	18.12	170.47	0.0	47.87	7.56
432	2023-12-14 22:45:00	18.54	175.55	0.0	50.93	7.56
433	2023-12-14 23:00:00	19.18	176.22	0.0	50.18	7.57
434	2023-12-14 23:15:00	18.13	170.80	0.0	46.73	7.57
435	2023-12-14 23:30:00	18.32	171.82	0.0	45.98	7.59
436	2023-12-14 23:45:00	18.13	167.73	0.0	44.44	7.60
437	2023-12-15 00:00:00	17.69	166.05	0.0	44.44	7.60
438	2023-12-15 00:15:00	18.13	169.78	0.0	45.60	7.60
439	2023-12-15 00:30:00	18.75	170.47	0.0	46.73	7.60
440	2023-12-15 00:45:00	18.75	173.87	0.0	49.03	7.62
441	2023-12-15 01:00:00	18.34	171.15	0.0	47.87	7.62
442	2023-12-15 01:15:00	18.53	172.52	0.0	50.16	7.63
443	2023-12-15 01:30:00	19.39	176.57	0.0	52.07	7.64
444	2023-12-15 01:45:00	20.02	177.58	0.0	51.70	7.63
445	2023-12-15 02:00:00	18.96	176.57	0.0	52.07	7.65
446	2023-12-15 02:15:00	19.60	178.60	0.0	52.46	7.66
447	2023-12-15 02:30:00	20.03	184.37	0.0	55.50	7.64
448	2023-12-15 02:45:00	19.38	179.63	0.0	54.36	7.65
449	2023-12-15 03:00:00	19.38	176.22	0.0	53.98	7.66
450	2023-12-15 03:15:00	19.38	177.23	0.0	52.84	7.68
451	2023-12-15 03:30:00	18.54	176.22	0.0	52.09	7.68
452	2023-12-15 03:45:00	19.17	176.55	0.0	51.32	7.69
453	2023-12-15 04:00:00	20.45	179.97	0.0	53.98	7.69

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
454	2023-12-15 04:15:00	20.24	185.05	0.0	56.64	7.70
455	2023-12-15 04:30:00	20.45	187.08	0.0	57.41	7.71
456	2023-12-15 04:45:00	19.17	180.62	0.0	54.36	7.71
457	2023-12-15 05:00:00	19.38	178.60	0.0	53.59	7.71
458	2023-12-15 05:15:00	20.45	179.97	0.0	55.13	7.71
459	2023-12-15 05:30:00	20.24	181.98	0.0	54.34	7.71
460	2023-12-15 05:45:00	19.81	185.05	0.0	56.64	7.72
461	2023-12-15 06:00:00	20.66	188.78	0.0	57.80	7.74
462	2023-12-15 06:15:00	21.07	192.17	0.0	59.33	7.75
463	2023-12-15 06:30:00	21.50	195.90	0.0	62.38	7.73
464	2023-12-15 06:45:00	21.50	196.23	0.0	63.53	7.76
465	2023-12-15 07:00:00	22.15	198.95	0.0	63.51	7.76
466	2023-12-15 07:15:00	21.94	200.67	0.0	63.90	7.73
467	2023-12-15 07:30:00	22.57	203.38	0.0	66.19	7.77
468	2023-12-15 07:45:00	22.35	205.75	0.0	66.19	7.76
469	2023-12-15 08:00:00	22.35	206.08	0.0	66.96	7.77
470	2023-12-15 08:15:00	20.86	195.23	0.0	64.30	7.77
471	2023-12-15 08:30:00	21.29	195.90	0.0	64.69	7.78
472	2023-12-15 08:45:00	21.72	197.93	0.0	66.19	7.77
473	2023-12-15 09:00:00	21.72	199.98	0.0	66.96	7.76
474	2023-12-15 09:15:00	22.15	202.35	0.0	68.10	7.76
475	2023-12-15 09:30:00	22.56	205.05	0.0	69.99	7.72
476	2023-12-15 09:45:00	22.57	207.43	0.0	72.30	7.70
477	2023-12-15 10:00:00	22.78	208.80	0.0	72.30	7.69
478	2023-12-15 10:15:00	22.35	204.38	0.0	71.53	7.70
479	2023-12-15 10:30:00	22.15	204.38	0.0	72.30	7.69

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m ³ /hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
480	2023-12-15 10:45:00	23.00	208.45	0.0	73.05	7.70
481	2023-12-15 11:00:00	23.43	211.50	0.0	76.11	7.72
482	2023-12-15 11:15:00	23.43	214.90	0.0	77.66	7.71
483	2023-12-15 11:30:00	24.05	217.95	0.0	79.18	7.70
484	2023-12-15 11:45:00	24.47	221.35	0.0	81.09	7.73
485	2023-12-15 12:00:00	24.26	223.03	0.0	81.47	7.73
486	2023-12-15 12:15:00	24.91	227.10	0.0	84.15	7.74
487	2023-12-15 12:30:00	16.62	161.63	0.0	43.29	7.14
488	2023-12-15 12:45:00	15.35	149.43	0.0	36.43	7.16
489	2023-12-15 13:00:00	14.94	150.10	0.0	36.43	7.24
490	2023-12-15 13:15:00	15.78	151.10	0.0	36.06	6.78
491	2023-12-15 13:30:00	15.78	152.48	0.0	36.43	6.56
492	2023-12-15 13:45:00	15.78	152.15	0.0	37.18	6.62
493	2023-12-15 14:00:00	16.22	152.82	0.0	37.93	6.59
494	2023-12-15 14:15:00	15.99	153.82	0.0	37.93	6.60
495	2023-12-15 14:30:00	16.00	153.48	0.0	37.93	6.62
496	2023-12-15 14:45:00	16.22	154.50	0.0	38.72	6.70
497	2023-12-15 15:00:00	16.22	154.50	0.0	38.70	6.75
498	2023-12-15 15:15:00	16.00	155.87	0.0	38.31	6.79
499	2023-12-15 15:30:00	16.63	156.55	0.0	39.10	6.85
500	2023-12-15 15:45:00	16.21	156.90	0.0	39.49	6.91
501	2023-12-15 16:00:00	16.22	157.25	NA	39.49	6.94
502	2023-12-15 16:15:00	16.22	158.25	0.0	39.49	6.94
503	2023-12-15 16:30:00	16.22	158.58	0.0	40.61	6.96
504	2023-12-15 16:45:00	16.84	158.58	0.0	40.24	6.96
505	2023-12-15 17:00:00	16.63	159.60	0.0	40.61	6.98

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
506	2023-12-15 17:15:00	16.84	160.30	0.0	41.00	7.01
507	2023-12-15 17:30:00	16.84	159.28	0.0	40.63	7.37
508	2023-12-15 17:45:00	16.22	156.55	0.0	39.10	8.09
509	2023-12-15 18:00:00	16.22	157.92	0.0	39.86	8.07
510	2023-12-15 18:15:00	17.06	157.58	0.0	40.24	8.01
511	2023-12-15 18:30:00	16.43	155.53	0.0	38.70	7.88
512	2023-12-15 18:45:00	16.43	155.53	0.0	39.10	7.94
513	2023-12-15 19:00:00	16.43	156.90	0.0	39.49	7.98
514	2023-12-15 19:15:00	16.22	157.25	0.0	39.49	8.00
515	2023-12-15 19:30:00	16.43	157.25	0.0	38.70	7.96
516	2023-12-15 19:45:00	16.43	157.92	0.0	40.24	7.86
517	2023-12-15 20:00:00	16.21	156.22	0.0	38.31	7.86
518	2023-12-15 20:15:00	16.43	154.85	0.0	37.56	7.88
519	2023-12-15 20:30:00	16.21	156.22	0.0	38.31	7.88
520	2023-12-15 20:45:00	16.00	155.87	0.0	38.31	7.90
521	2023-12-15 21:00:00	16.63	156.90	0.0	39.10	7.90
522	2023-12-15 21:15:00	16.63	156.55	0.0	37.93	7.91
523	2023-12-15 21:30:00	16.22	155.87	0.0	37.56	7.95
524	2023-12-15 21:45:00	16.00	156.20	0.0	37.18	7.99
525	2023-12-15 22:00:00	17.05	156.20	0.0	37.18	8.01
526	2023-12-15 22:15:00	16.63	156.20	0.0	37.56	8.03
527	2023-12-15 22:30:00	16.63	157.25	0.0	37.93	8.02
528	2023-12-15 22:45:00	16.21	155.52	0.0	37.93	8.02
529	2023-12-15 23:00:00	16.22	154.17	0.0	37.18	8.03
530	2023-12-15 23:15:00	16.84	154.50	0.0	37.18	8.02
531	2023-12-15 23:30:00	16.21	155.87	0.0	37.93	8.02

Sl No	Time	ETP_1 OUTLET- BOD(mg/l)	ETP_1 OUTLET- COD(mg/l)	ETP_1 OUTLET- Flow(m3/hr)	ETP_1 OUTLET- TSS(mg/l)	ETP_1 OUTLET- pH(pH)
532	2023-12-15 23:45:00	16.43	155.87	0.0	37.56	8.02
533	2023-12-16 00:00:00	16.63	156.55	0.0	37.93	8.04
534	2023-12-16 00:15:00	16.63	157.92	0.0	37.93	8.05
535	2023-12-16 00:30:00	17.05	157.92	0.0	38.31	8.04
536	2023-12-16 00:45:00	16.63	159.25	0.0	39.86	8.05
537	2023-12-16 01:00:00	16.63	159.25	0.0	40.24	8.06
538	2023-12-16 01:15:00	17.05	161.30	0.0	39.86	8.05
539	2023-12-16 01:30:00	17.26	161.63	0.0	39.86	8.06
540	2023-12-16 01:45:00	17.47	160.80	0.0	39.49	8.05
541	2023-12-16 02:00:00	16.63	158.92	0.0	37.93	8.05
542	2023-12-16 02:15:00	16.63	157.92	0.0	38.31	8.06
543	2023-12-16 02:30:00	17.05	158.25	0.0	37.93	8.07
544	2023-12-16 02:45:00	17.05	158.92	0.0	39.49	8.07
545	2023-12-16 03:00:00	17.47	159.95	0.0	39.10	8.07
546	2023-12-16 03:15:00	17.26	160.97	0.0	39.86	8.08
547	2023-12-16 03:30:00	17.26	162.30	0.0	40.61	8.09
548	2023-12-16 03:45:00	17.47	162.65	0.0	41.01	8.08
549	2023-12-16 04:00:00	17.26	161.97	0.0	40.61	8.08
550	2023-12-16 04:15:00	17.47	163.00	0.0	40.61	8.08
551	2023-12-16 04:30:00	16.84	164.02	0.0	41.00	8.09
552	2023-12-16 04:45:00	17.48	164.68	0.0	42.17	8.11
553	2023-12-16 05:00:00	16.22	154.52	0.0	38.31	2.85
554	2023-12-16 05:15:00	16.43	154.85	0.0	39.49	2.01
555	2023-12-16 05:30:00	16.63	158.60	0.0	40.63	2.00
556	2023-12-16 05:45:00	17.26	161.30	0.0	42.92	2.01
557	2023-12-16 06:00:00	17.47	163.68	0.0	44.04	2.03

SI No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
558	2023-12-16 06:15:00	17.91	165.35	0.0	45.60	2.05
559	2023-12-16 06:30:00	17.69	167.73	0.0	47.48	2.08
560	2023-12-16 06:45:00	18.13	169.43	0.0	48.64	2.17
561	2023-12-16 07:00:00	18.54	170.47	0.0	50.53	2.28
562	2023-12-16 07:15:00	18.54	172.50	0.0	51.30	2.35
563	2023-12-16 07:30:00	18.34	173.85	0.0	51.69	2.39
564	2023-12-16 07:45:00	18.96	174.53	0.0	52.84	3.23
565	2023-12-16 08:00:00	17.69	165.37	0.0	45.19	5.77
566	2023-12-16 08:15:00	18.13	165.35	0.0	44.04	5.99
567	2023-12-16 08:30:00	17.47	166.40	0.0	44.44	6.11
568	2023-12-16 08:45:00	17.69	166.40	0.0	45.23	6.16
569	2023-12-16 09:00:00	18.13	166.73	0.0	45.23	6.25
570	2023-12-16 09:15:00	17.69	168.07	0.0	45.21	6.29
571	2023-12-16 09:30:00	17.69	168.75	0.0	45.98	6.25
572	2023-12-16 09:45:00	18.12	169.43	0.0	46.73	6.23
573	2023-12-16 10:00:00	18.13	171.13	0.0	47.48	6.26
574	2023-12-16 10:15:00	18.34	171.82	0.0	47.10	6.42
575	2023-12-16 10:30:00	18.55	170.80	0.0	47.10	6.54
576	2023-12-16 10:45:00	18.54	173.52	0.0	47.87	6.55
577	2023-12-16 11:00:00	18.96	175.88	0.0	49.41	6.54
578	2023-12-16 11:15:00	18.96	178.27	0.0	49.39	6.48
579	2023-12-16 11:30:00	19.17	180.98	0.0	51.70	6.52
580	2023-12-16 11:45:00	19.38	182.33	0.0	51.70	6.50
581	2023-12-16 12:00:00	19.60	185.73	0.0	53.21	6.50
582	2023-12-16 12:15:00	20.03	188.78	0.0	54.73	6.54
583	2023-12-16 12:30:00	20.45	192.17	0.0	57.02	6.51

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
584	2023-12-16 12:45:00	20.66	194.20	0.0	58.16	6.54
585	2023-12-16 13:00:00	21.29	196.92	0.0	59.72	6.52
586	2023-12-16 13:15:00	21.50	200.33	0.0	62.01	6.53
587	2023-12-16 13:30:00	21.94	203.03	0.0	62.76	6.55
588	2023-12-16 13:45:00	22.15	207.08	0.0	65.06	6.62
589	2023-12-16 14:00:00	23.00	210.50	0.0	67.35	6.69
590	2023-12-16 14:15:00	22.79	211.17	0.0	66.96	7.04
591	2023-12-16 14:30:00	21.72	202.68	0.0	59.33	8.02
592	2023-12-16 14:45:00	22.15	205.07	0.0	61.26	8.07
593	2023-12-16 15:00:00	22.35	208.45	0.0	62.76	8.06
594	2023-12-16 15:15:00	22.78	210.48	0.0	63.51	8.00
595	2023-12-16 15:30:00	23.63	212.87	0.0	66.21	8.03
596	2023-12-16 15:45:00	21.51	200.65	0.0	57.02	7.87
597	2023-12-16 16:00:00	18.53	178.27	0.0	44.81	7.61
598	2023-12-16 16:15:00	19.17	179.95	0.0	45.98	7.60
599	2023-12-16 16:30:00	19.38	181.65	0.0	47.50	7.59
600	2023-12-16 16:45:00	19.60	183.68	0.0	48.27	7.59
601	2023-12-16 17:00:00	20.02	185.40	0.0	49.41	7.56
602	2023-12-16 17:15:00	20.03	186.75	0.0	50.53	7.47
603	2023-12-16 17:30:00	19.81	188.10	0.0	51.70	7.33
604	2023-12-16 17:45:00	20.45	190.82	0.0	52.46	7.28
605	2023-12-16 18:00:00	20.66	191.50	0.0	53.96	7.31
606	2023-12-16 18:15:00	20.23	193.53	0.0	55.13	7.31
607	2023-12-16 18:30:00	21.09	192.85	0.0	55.13	7.29
608	2023-12-16 18:45:00	20.87	193.18	0.0	54.36	7.27
609	2023-12-16 19:00:00	20.87	193.18	0.0	53.21	7.26

Sl No	Time	ETP 1 OUTLET- BOD(mg/l)	ETP 1 OUTLET- COD(mg/l)	ETP 1 OUTLET- Flow(m3/hr)	ETP 1 OUTLET- TSS(mg/l)	ETP 1 OUTLET- pH(pH)
610	2023-12-16 19:15:00	20.24	188.45	0.0	50.53	7.24
611	2023-12-16 19:30:00	20.45	187.08	0.0	50.91	7.24
612	2023-12-16 19:45:00	20.45	188.78	0.0	52.09	7.23
613	2023-12-16 20:00:00	20.66	190.13	0.0	53.21	7.25
614	2023-12-16 20:15:00	21.09	192.18	0.0	54.34	7.25
615	2023-12-16 20:30:00	21.07	193.18	0.0	55.52	7.27
616	2023-12-16 20:45:00	21.07	194.20	0.0	55.52	7.28
617	2023-12-16 21:00:00	21.72	195.57	0.0	56.64	7.29
618	2023-12-16 21:15:00	21.50	197.95	0.0	57.39	7.31
619	2023-12-16 21:30:00	21.61	198.95	0.0	58.95	7.33
620	2023-12-16 21:45:00	22.13	200.32	0.0	60.10	7.32
621	2023-12-16 22:00:00	22.35	202.70	0.0	62.01	7.31
622	2023-12-16 22:15:00	22.15	204.38	0.0	62.38	7.32
623	2023-12-16 22:30:00	22.56	205.75	0.0	62.76	7.33
624	2023-12-16 22:45:00	23.22	207.43	0.0	63.92	7.34
625	2023-12-16 23:00:00	22.78	209.48	0.0	65.81	7.35
626	2023-12-16 23:15:00	23.00	211.85	0.0	66.56	7.36
627	2023-12-16 23:30:00	23.22	209.82	0.0	65.44	7.36
628	2023-12-16 23:45:00	23.84	212.53	0.0	65.81	7.37
629	2023-12-17 00:00:00	24.06	214.22	0.0	67.33	7.37
630	2023-12-17 00:15:00	24.05	216.93	0.0	69.24	7.40
631	2023-12-17 00:30:00	24.26	219.32	0.0	70.76	7.41
632	2023-12-17 00:45:00	24.91	221.35	0.0	71.91	7.43
633	2023-12-17 01:00:00	24.91	224.40	0.0	73.80	7.44
634	2023-12-17 01:15:00	22.13	201.00	0.0	58.58	8.10
635	2023-12-17 01:30:00	20.45	186.75	0.0	50.18	8.50

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m ³ /hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
636	2023-12-17 01:45:00	20.03	184.72	0.0	48.66	8.55
637	2023-12-17 02:00:00	20.45	184.37	0.0	49.41	8.55
638	2023-12-17 02:15:00	20.03	184.70	0.0	49.03	8.57
639	2023-12-17 02:30:00	20.03	184.70	0.0	49.03	8.56
640	2023-12-17 02:45:00	20.03	184.70	0.0	49.03	8.57
641	2023-12-17 03:00:00	20.02	185.05	0.0	48.66	8.56
642	2023-12-17 03:15:00	20.02	185.40	0.0	48.64	8.57
643	2023-12-17 03:30:00	20.24	184.03	0.0	47.10	7.79
644	2023-12-17 03:45:00	19.81	184.37	0.0	47.48	6.27
645	2023-12-17 04:00:00	20.45	185.05	0.0	47.10	6.44
646	2023-12-17 04:15:00	20.03	184.37	0.0	47.10	6.53
647	2023-12-17 04:30:00	20.66	185.40	0.0	47.87	6.59
648	2023-12-17 04:45:00	20.24	186.08	0.0	47.89	6.62
649	2023-12-17 05:00:00	20.24	186.08	0.0	47.87	6.63
650	2023-12-17 05:15:00	20.45	187.42	0.0	47.50	6.67
651	2023-12-17 05:30:00	20.45	186.75	0.0	47.87	6.74
652	2023-12-17 05:45:00	20.66	187.08	0.0	48.27	6.75
653	2023-12-17 06:00:00	20.45	187.42	0.0	49.03	6.75
654	2023-12-17 06:15:00	20.66	188.10	0.0	48.66	6.78
655	2023-12-17 06:30:00	20.66	188.10	0.0	48.27	7.11
656	2023-12-17 06:45:00	20.66	187.75	0.0	49.03	7.18
657	2023-12-17 07:00:00	20.45	189.13	0.0	50.16	7.17
658	2023-12-17 07:15:00	20.66	189.13	0.0	49.78	7.16
659	2023-12-17 07:30:00	20.45	188.45	0.0	49.78	7.16
660	2023-12-17 07:45:00	20.87	189.47	0.0	49.78	7.19
661	2023-12-17 08:00:00	20.45	189.80	0.0	50.53	7.19

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
662	2023-12-17 08:15:00	20.66	190.13	0.0	50.16	7.20
663	2023-12-17 08:30:00	20.45	191.15	0.0	50.53	7.20
664	2023-12-17 08:45:00	21.07	191.15	0.0	50.91	7.19
665	2023-12-17 09:00:00	20.87	191.50	0.0	51.30	7.21
666	2023-12-17 09:15:00	21.07	192.18	0.0	51.30	7.21
667	2023-12-17 09:30:00	21.50	193.52	0.0	51.70	7.21
668	2023-12-17 09:45:00	21.07	193.18	0.0	52.09	7.23
669	2023-12-17 10:00:00	20.66	194.20	0.0	52.09	7.21
670	2023-12-17 10:15:00	21.28	194.55	0.0	52.46	7.21
671	2023-12-17 10:30:00	21.29	195.23	0.0	52.09	7.21
672	2023-12-17 10:45:00	21.50	196.23	0.0	52.09	7.21
673	2023-12-17 11:00:00	21.07	196.57	0.0	52.84	7.23
674	2023-12-17 11:15:00	21.72	197.25	0.0	53.59	7.21
675	2023-12-17 11:30:00	21.72	196.23	0.0	53.96	7.23
676	2023-12-17 11:45:00	21.28	197.60	0.0	53.96	7.21
677	2023-12-17 12:00:00	21.50	197.93	0.0	53.96	7.23
678	2023-12-17 12:15:00	21.29	199.32	0.0	54.36	7.23
679	2023-12-17 12:30:00	21.93	199.30	0.0	54.34	7.21
680	2023-12-17 12:45:00	21.07	200.00	0.0	55.13	7.22
681	2023-12-17 13:00:00	21.72	200.67	0.0	55.13	7.23
682	2023-12-17 13:15:00	22.15	201.33	0.0	56.27	7.21
683	2023-12-17 13:30:00	22.15	202.02	0.0	56.64	7.21
684	2023-12-17 13:45:00	21.72	202.70	0.0	55.89	7.20
685	2023-12-17 14:00:00	22.15	204.38	0.0	57.39	7.21
686	2023-12-17 14:15:00	22.56	204.72	0.0	57.39	7.23
687	2023-12-17 14:30:00	22.35	205.75	0.0	58.16	7.24

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
688	2023-12-17 14:45:00	22.56	206.08	0.0	58.56	7.23
689	2023-12-17 15:00:00	22.56	207.43	0.0	59.70	7.25
690	2023-12-17 15:15:00	23.00	208.80	0.0	60.08	7.39
691	2023-12-17 15:30:00	23.21	209.82	0.0	60.87	7.50
692	2023-12-17 15:45:00	23.41	211.17	0.0	62.01	7.65
693	2023-12-17 16:00:00	23.21	212.18	0.0	63.13	7.86
694	2023-12-17 16:15:00	23.43	213.22	0.0	64.30	7.84
695	2023-12-17 16:30:00	23.84	214.55	0.0	64.30	7.58
696	2023-12-17 16:45:00	23.43	215.57	0.0	64.69	7.47
697	2023-12-17 17:00:00	23.21	217.28	0.0	66.19	7.41
698	2023-12-17 17:15:00	23.63	217.30	0.0	65.44	7.38
699	2023-12-17 17:30:00	23.84	216.93	0.0	66.56	7.39
700	2023-12-17 17:45:00	24.05	219.32	0.0	67.73	7.37
701	2023-12-17 18:00:00	24.26	221.00	0.0	68.49	7.36
702	2023-12-17 18:15:00	24.26	223.05	0.0	69.62	7.36
703	2023-12-17 18:30:00	24.05	222.03	0.0	69.23	7.67
704	2023-12-17 18:45:00	22.15	205.05	0.0	59.33	8.45
705	2023-12-17 19:00:00	16.43	158.93	0.0	28.03	7.70
706	2023-12-17 19:15:00	16.22	157.23	0.0	28.03	7.09
707	2023-12-17 19:30:00	16.63	158.92	0.0	29.57	7.12
708	2023-12-17 19:45:00	17.05	160.28	0.0	30.32	7.21
709	2023-12-17 20:00:00	17.05	161.30	0.0	31.46	7.27
710	2023-12-17 20:15:00	17.05	163.00	0.0	31.84	7.33
711	2023-12-17 20:30:00	17.47	164.35	0.0	32.61	7.33
712	2023-12-17 20:45:00	17.26	165.35	0.0	32.63	7.27
713	2023-12-17 21:00:00	17.47	165.35	0.0	33.00	7.17

Sl No	Time	ETP 1 OUTLET- BOD(mg/l)	ETP 1 OUTLET- COD(mg/l)	ETP 1 OUTLET- Flow(m3/hr)	ETP 1 OUTLET- TSS(mg/l)	ETP 1 OUTLET- pH(pH)
714	2023-12-17 21:15:00	17.47	166.40	0.0	34.13	7.15
715	2023-12-17 21:30:00	17.69	167.73	0.0	34.90	7.18
716	2023-12-17 21:45:00	18.13	169.10	0.0	34.88	7.19
717	2023-12-17 22:00:00	17.69	169.10	0.0	36.04	7.20
718	2023-12-17 22:15:00	18.13	170.80	0.0	36.43	7.24
719	2023-12-17 22:30:00	18.34	171.15	0.0	37.18	7.24
720	2023-12-17 22:45:00	18.75	172.83	0.0	37.18	7.23
721	2023-12-17 23:00:00	18.54	173.17	0.0	37.56	7.24
722	2023-12-17 23:15:00	18.34	173.50	0.0	37.93	7.24
723	2023-12-17 23:30:00	18.75	174.55	0.0	38.70	7.25
724	2023-12-17 23:45:00	18.96	174.88	0.0	39.10	7.26
725	2023-12-18 00:00:00	19.17	175.55	0.0	40.24	7.27
726	2023-12-18 00:15:00	19.17	176.90	0.0	39.86	7.27
727	2023-12-18 00:30:00	19.38	177.60	0.0	40.63	7.29
728	2023-12-18 00:45:00	19.60	177.58	0.0	41.00	7.30
729	2023-12-18 01:00:00	19.38	178.60	0.0	41.00	7.31
730	2023-12-18 01:15:00	20.02	179.27	0.0	41.40	7.34
731	2023-12-18 01:30:00	19.38	179.60	0.0	41.40	7.34
732	2023-12-18 01:45:00	19.81	180.30	0.0	42.17	7.34
733	2023-12-18 02:00:00	19.60	180.98	0.0	42.54	7.35
734	2023-12-18 02:15:00	19.60	181.65	0.0	43.67	7.35
735	2023-12-18 02:30:00	20.24	183.00	0.0	43.67	7.36
736	2023-12-18 02:45:00	19.81	183.00	0.0	44.44	7.36
737	2023-12-18 03:00:00	19.70	183.70	0.0	44.63	7.37
738	2023-12-18 03:15:00	20.03	185.40	0.0	44.04	7.37
739	2023-12-18 03:30:00	20.03	186.75	0.0	45.23	7.38

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m ³ /hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
740	2023-12-18 03:45:00	20.45	187.43	0.0	45.98	7.38
741	2023-12-18 04:00:00	20.45	188.80	0.0	46.73	7.39
742	2023-12-18 04:15:00	20.87	190.13	0.0	47.10	7.40
743	2023-12-18 04:30:00	20.66	190.47	0.0	47.48	7.42
744	2023-12-18 04:45:00	20.66	191.15	0.0	47.87	7.42
745	2023-12-18 05:00:00	21.29	191.15	0.0	48.25	7.42
746	2023-12-18 05:15:00	21.09	192.85	0.0	49.03	7.43
747	2023-12-18 05:30:00	21.50	193.52	0.0	49.41	7.43
748	2023-12-18 05:45:00	21.28	194.55	0.0	50.16	7.44
749	2023-12-18 06:00:00	21.29	195.90	0.0	50.53	7.45
750	2023-12-18 06:15:00	21.72	195.57	0.0	50.53	7.46
751	2023-12-18 06:30:00	21.72	197.60	0.0	51.30	7.45
752	2023-12-18 06:45:00	21.94	197.25	0.0	51.70	7.46
753	2023-12-18 07:00:00	22.15	198.95	0.0	52.84	7.45
754	2023-12-18 07:15:00	22.15	199.65	0.0	52.46	7.45
755	2023-12-18 07:30:00	22.15	200.33	0.0	53.59	7.48
756	2023-12-18 07:45:00	22.15	201.00	0.0	53.96	7.47
757	2023-12-18 08:00:00	21.94	201.67	0.0	54.73	7.48
758	2023-12-18 08:15:00	21.93	202.70	0.0	54.73	7.48
759	2023-12-18 08:30:00	21.94	203.38	0.0	55.52	7.48
760	2023-12-18 08:45:00	22.37	204.72	0.0	56.27	7.50
761	2023-12-18 09:00:00	22.78	205.75	0.0	57.02	7.51
762	2023-12-18 09:15:00	22.78	207.10	0.0	57.02	7.50
763	2023-12-18 09:30:00	22.56	208.45	0.0	57.77	7.52
764	2023-12-18 09:45:00	22.56	209.82	0.0	58.16	7.52
765	2023-12-18 10:00:00	23.21	210.15	0.0	58.93	7.52

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
766	2023-12-18 10:15:00	23.22	211.15	0.0	59.70	7.51
767	2023-12-18 10:30:00	23.43	213.20	0.0	60.10	7.49
768	2023-12-18 10:45:00	23.22	213.87	0.0	61.24	7.50
769	2023-12-18 11:00:00	23.22	213.87	0.0	62.38	7.49
770	2023-12-18 11:15:00	23.84	216.27	0.0	62.76	7.50
771	2023-12-18 11:30:00	24.05	216.95	0.0	63.51	7.53
772	2023-12-18 11:45:00	24.05	218.63	0.0	64.28	7.60
773	2023-12-18 12:00:00	24.05	219.30	0.0	64.69	7.68
774	2023-12-18 12:15:00	24.26	220.68	0.0	64.69	7.73
775	2023-12-18 12:30:00	24.47	222.35	0.0	66.38	7.67
776	2023-12-18 12:45:00	24.47	222.35	0.0	66.94	7.59
777	2023-12-18 13:00:00	24.69	224.07	0.0	67.73	7.59
778	2023-12-18 13:15:00	19.61	185.05	0.0	42.90	7.11
779	2023-12-18 13:30:00	17.91	170.13	0.0	35.27	6.90
780	2023-12-18 13:45:00	18.34	171.15	0.0	36.81	6.90
781	2023-12-18 14:00:00	18.12	172.83	0.0	37.93	6.93
782	2023-12-18 14:15:00	18.54	174.18	0.0	38.33	6.96
783	2023-12-18 14:30:00	18.75	175.55	0.0	39.47	6.99
784	2023-12-18 14:45:00	18.54	175.55	0.0	39.49	7.00
785	2023-12-18 15:00:00	19.38	177.25	0.0	40.24	7.02
786	2023-12-18 15:15:00	19.39	178.27	0.0	41.40	7.05
787	2023-12-18 15:30:00	18.96	178.60	0.0	41.00	7.07
788	2023-12-18 15:45:00	19.17	180.30	0.0	41.40	7.08
789	2023-12-18 16:00:00	19.17	180.30	0.0	42.54	7.11
790	2023-12-18 16:15:00	19.38	180.98	0.0	42.92	7.12
791	2023-12-18 16:30:00	19.60	182.67	0.0	43.67	7.14

Sl No	Time	ETP_1 OUTLET- BOD(mg/l)	ETP_1 OUTLET- COD(mg/l)	ETP_1 OUTLET- Flow(m ³ /hr)	ETP_1 OUTLET- TSS(mg/l)	ETP_1 OUTLET- pH(pH)
792	2023-12-18 16:45:00	19.38	183.00	0.0	44.04	7.16
793	2023-12-18 17:00:00	20.03	184.37	0.0	44.83	7.15
794	2023-12-18 17:15:00	19.81	185.07	0.0	45.23	7.16
795	2023-12-18 17:30:00	20.45	186.07	0.0	45.98	7.18
796	2023-12-18 17:45:00	20.45	187.43	0.0	46.35	7.18
797	2023-12-18 18:00:00	20.45	187.75	0.0	46.73	7.19
798	2023-12-18 18:15:00	20.66	189.13	0.0	48.64	7.20
799	2023-12-18 18:30:00	20.66	190.13	0.0	48.64	7.20
800	2023-12-18 18:45:00	20.87	190.80	0.0	49.02	7.21
801	2023-12-18 19:00:00	20.66	192.18	0.0	49.78	7.21
802	2023-12-18 19:15:00	21.28	193.52	0.0	50.16	7.24
803	2023-12-18 19:30:00	20.87	193.52	0.0	50.93	7.23
804	2023-12-18 19:45:00	21.50	194.55	0.0	50.91	7.25
805	2023-12-18 20:00:00	21.72	195.90	0.0	52.46	7.26
806	2023-12-18 20:15:00	21.72	196.90	0.0	52.46	7.27
807	2023-12-18 20:30:00	22.15	197.60	0.0	53.96	7.28
808	2023-12-18 20:45:00	21.94	198.97	0.0	54.34	7.30
809	2023-12-18 21:00:00	21.72	200.67	0.0	55.52	7.32
810	2023-12-18 21:15:00	22.15	201.33	0.0	56.27	7.32
811	2023-12-18 21:30:00	22.35	202.70	0.0	57.04	7.34
812	2023-12-18 21:45:00	22.79	203.38	0.0	57.79	7.34
813	2023-12-18 22:00:00	22.56	205.40	0.0	58.56	7.36
814	2023-12-18 22:15:00	22.56	207.10	0.0	59.33	7.36
815	2023-12-18 22:30:00	22.78	208.12	0.0	60.87	7.38
816	2023-12-18 22:45:00	22.79	209.48	0.0	60.87	7.38
817	2023-12-18 23:00:00	23.63	210.15	0.0	62.01	7.41

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
818	2023-12-18 23:15:00	23.22	211.85	0.0	63.13	7.41
819	2023-12-18 23:30:00	23.84	213.87	0.0	63.90	7.42
820	2023-12-18 23:45:00	23.84	215.25	0.0	64.30	7.42
821	2023-12-19 00:00:00	23.84	217.97	0.0	67.35	7.44
822	2023-12-19 00:15:00	24.26	219.65	0.0	67.33	7.45
823	2023-12-19 00:30:00	24.48	221.35	0.0	68.12	7.45
824	2023-12-19 00:45:00	25.13	223.38	0.0	69.62	7.46
825	2023-12-19 01:00:00	25.12	225.07	0.0	70.76	7.45
826	2023-12-19 01:15:00	25.34	226.45	0.0	71.93	7.46
827	2023-12-19 01:30:00	25.34	227.12	0.0	73.05	7.48
828	2023-12-19 01:45:00	25.34	229.15	0.0	73.80	7.48
829	2023-12-19 02:00:00	25.34	231.18	0.0	75.36	7.50
830	2023-12-19 02:15:00	26.38	233.22	0.0	76.11	7.50
831	2023-12-19 02:30:00	26.38	235.27	0.0	78.04	7.51
832	2023-12-19 02:45:00	26.60	236.97	0.0	78.41	7.53
833	2023-12-19 03:00:00	26.60	238.32	0.0	79.56	7.52
834	2023-12-19 03:15:00	26.60	240.68	0.0	81.09	7.52
835	2023-12-19 03:30:00	27.45	243.05	0.0	82.97	7.52
836	2023-12-19 03:45:00	27.45	245.10	0.0	83.76	7.54
837	2023-12-19 04:00:00	27.66	246.47	0.0	85.65	7.54
838	2023-12-19 04:15:00	28.29	248.83	0.0	87.19	7.55
839	2023-12-19 04:30:00	28.51	251.20	0.0	87.96	7.55
840	2023-12-19 04:45:00	28.93	253.23	0.0	89.46	7.55
841	2023-12-19 05:00:00	28.94	255.62	0.0	91.76	7.57
842	2023-12-19 05:15:00	29.15	257.65	0.0	92.53	7.58
843	2023-12-19 05:30:00	29.15	259.35	0.0	94.44	7.59

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
844	2023-12-19 05:45:00	23.52	205.57	0.0	56.67	6.84
845	2023-12-19 06:00:00	18.96	178.27	0.0	39.86	6.98
846	2023-12-19 06:15:00	19.81	177.60	0.0	39.86	7.03
847	2023-12-19 06:30:00	19.17	178.60	0.0	40.63	7.06
848	2023-12-19 06:45:00	19.60	178.60	0.0	40.63	7.09
849	2023-12-19 07:00:00	19.60	179.95	0.0	41.00	7.12
850	2023-12-19 07:15:00	19.81	179.97	0.0	41.79	7.13
851	2023-12-19 07:30:00	19.60	181.65	0.0	41.40	7.15
852	2023-12-19 07:45:00	20.02	181.32	0.0	41.77	7.17
853	2023-12-19 08:00:00	20.24	181.98	0.0	42.54	7.21
854	2023-12-19 08:15:00	19.81	183.35	0.0	42.54	7.29
855	2023-12-19 08:30:00	20.03	182.65	0.0	41.79	7.22
856	2023-12-19 08:45:00	19.60	183.70	0.0	42.54	7.19
857	2023-12-19 09:00:00	19.81	185.05	0.0	43.29	7.20
858	2023-12-19 09:15:00	20.45	185.05	0.0	42.92	7.19
859	2023-12-19 09:30:00	20.24	184.70	0.0	43.29	7.19
860	2023-12-19 09:45:00	20.24	186.08	0.0	43.67	7.21
861	2023-12-19 10:00:00	19.81	186.42	0.0	43.67	7.23
862	2023-12-19 10:15:00	20.24	186.08	0.0	43.29	7.24
863	2023-12-19 10:30:00	20.03	186.42	0.0	44.44	7.25
864	2023-12-19 10:45:00	20.24	187.08	0.0	43.29	7.28
865	2023-12-19 11:00:00	20.45	187.42	0.0	43.67	7.34
866	2023-12-19 11:15:00	20.24	188.10	0.0	44.04	7.45
867	2023-12-19 11:30:00	20.45	188.45	0.0	44.04	7.47
868	2023-12-19 11:45:00	20.66	189.13	0.0	44.83	7.51
869	2023-12-19 12:00:00	21.07	190.82	0.0	45.98	7.54

Sl No	Time	ETP_1 OUTLET- BOD(mg/l)	ETP_1 OUTLET- COD(mg/l)	ETP_1 OUTLET- Flow(m3/hr)	ETP_1 OUTLET- TSS(mg/l)	ETP_1 OUTLET- pH(pH)
870	2023-12-19 12:15:00	20.66	191.85	0.0	46.35	7.61
871	2023-12-19 12:30:00	20.66	192.18	0.0	47.48	7.66
872	2023-12-19 12:45:00	20.66	192.85	0.0	47.10	7.68
873	2023-12-19 13:00:00	21.07	193.52	0.0	48.27	7.70
874	2023-12-19 13:15:00	21.28	194.20	0.0	48.27	7.69
875	2023-12-19 13:30:00	21.28	194.55	0.0	49.03	7.67
876	2023-12-19 13:45:00	21.28	195.90	0.0	50.16	7.64
877	2023-12-19 14:00:00	21.72	196.90	0.0	49.78	7.60
878	2023-12-19 14:15:00	21.50	197.25	0.0	49.78	7.60
879	2023-12-19 14:30:00	21.50	197.25	0.0	50.91	7.59
880	2023-12-19 14:45:00	21.72	198.62	0.0	51.30	7.59
881	2023-12-19 15:00:00	21.50	199.65	0.0	51.70	7.61
882	2023-12-19 15:15:00	21.72	201.33	0.0	52.46	7.59
883	2023-12-19 15:30:00	21.72	202.00	0.0	52.46	7.60
884	2023-12-19 15:45:00	22.35	202.35	0.0	53.21	7.61
885	2023-12-19 16:00:00	22.15	203.38	0.0	53.96	7.64
886	2023-12-19 16:15:00	22.35	204.72	0.0	54.73	7.65
887	2023-12-19 16:30:00	22.35	205.05	0.0	55.13	7.65
888	2023-12-19 16:45:00	22.15	204.72	0.0	54.73	7.76
889	2023-12-19 17:00:00	22.35	206.08	0.0	55.89	7.81
890	2023-12-19 17:15:00	22.57	206.77	0.0	56.64	7.82
891	2023-12-19 17:30:00	22.15	209.48	0.0	58.18	7.81
892	2023-12-19 17:45:00	22.78	209.48	0.0	58.16	7.80
893	2023-12-19 18:00:00	23.21	210.48	0.0	59.33	7.83
894	2023-12-19 18:15:00	23.22	212.18	0.0	59.70	7.83
895	2023-12-19 18:30:00	23.00	211.85	0.0	60.47	7.81

Sl No	Time	ETP 1 OUTLET- BOD(mg/l)	ETP 1 OUTLET- COD(mg/l)	ETP 1 OUTLET- Flow(m ³ /hr)	ETP 1 OUTLET- TSS(mg/l)	ETP 1 OUTLET- pH(pH)
896	2023-12-19 18:45:00	23.43	212.87	0.0	60.47	7.84
897	2023-12-19 19:00:00	23.22	212.87	0.0	60.47	7.84
898	2023-12-19 19:15:00	23.43	212.87	0.0	61.24	7.82
899	2023-12-19 19:30:00	23.63	214.20	0.0	62.01	7.84
900	2023-12-19 19:45:00	23.84	215.92	0.0	62.38	7.84
901	2023-12-19 20:00:00	24.05	216.93	0.0	62.76	7.85
902	2023-12-19 20:15:00	24.05	217.30	0.0	63.51	7.86
903	2023-12-19 20:30:00	23.63	215.57	0.0	62.76	7.90
904	2023-12-19 20:45:00	21.51	196.58	0.0	50.55	6.38
905	2023-12-19 21:00:00	21.07	192.52	0.0	49.78	6.36
906	2023-12-19 21:15:00	21.07	194.20	0.0	50.16	6.38
907	2023-12-19 21:30:00	21.50	194.55	0.0	49.41	6.44
908	2023-12-19 21:45:00	21.50	195.90	0.0	50.16	6.45
909	2023-12-19 22:00:00	21.72	195.90	0.0	50.91	6.48
910	2023-12-19 22:15:00	21.50	196.57	0.0	51.30	6.50
911	2023-12-19 22:30:00	21.50	197.25	0.0	50.91	6.53
912	2023-12-19 22:45:00	21.51	197.60	0.0	52.09	6.55
913	2023-12-19 23:00:00	21.72	198.62	0.0	51.30	6.59
914	2023-12-19 23:15:00	22.15	198.95	0.0	52.84	6.62
915	2023-12-19 23:30:00	21.94	198.97	0.0	53.21	6.63
916	2023-12-19 23:45:00	21.93	200.00	0.0	52.46	6.64
917	2023-12-20 00:00:00	22.35	200.67	0.0	53.96	6.66
918	2023-12-20 00:15:00	22.15	201.33	0.0	53.96	6.69
919	2023-12-20 00:30:00	22.35	201.33	0.0	54.36	6.75
920	2023-12-20 00:45:00	22.35	203.38	0.0	54.34	6.74
921	2023-12-20 01:00:00	22.56	204.05	0.0	54.36	6.74

Sl No	Time	ETP_1 OUTLET- BOD(mg/l)	ETP_1 OUTLET- COD(mg/l)	ETP_1 OUTLET- Flow(m3/hr)	ETP_1 OUTLET- TSS(mg/l)	ETP_1 OUTLET- pH(pH)
922	2023-12-20 01:15:00	22.35	204.72	0.0	56.27	6.75
923	2023-12-20 01:30:00	22.78	205.75	0.0	55.89	6.79
924	2023-12-20 01:45:00	22.78	206.43	0.0	55.89	6.81
925	2023-12-20 02:00:00	23.00	207.43	0.0	56.64	6.84
926	2023-12-20 02:15:00	22.79	208.80	0.0	57.02	6.79
927	2023-12-20 02:30:00	23.21	208.80	0.0	57.79	6.81
928	2023-12-20 02:45:00	23.41	209.82	0.0	58.16	6.83
929	2023-12-20 03:00:00	23.43	210.82	0.0	58.56	6.82
930	2023-12-20 03:15:00	23.63	210.82	0.0	60.47	6.82
931	2023-12-20 03:30:00	23.22	212.53	0.0	59.33	6.83
932	2023-12-20 03:45:00	23.21	213.53	0.0	59.33	6.84
933	2023-12-20 04:00:00	23.63	213.88	0.0	60.10	6.87
934	2023-12-20 04:15:00	23.22	214.20	0.0	60.67	6.90
935	2023-12-20 04:30:00	23.63	215.58	0.0	60.87	6.91
936	2023-12-20 04:45:00	23.84	217.63	0.0	62.38	6.93
937	2023-12-20 05:00:00	23.84	218.63	0.0	62.38	6.94
938	2023-12-20 05:15:00	24.26	218.98	0.0	63.53	6.96
939	2023-12-20 05:30:00	24.26	221.02	0.0	63.53	6.96
940	2023-12-20 05:45:00	24.47	222.37	0.0	64.69	6.97
941	2023-12-20 06:00:00	24.91	223.05	0.0	65.44	6.99
942	2023-12-20 06:15:00	24.91	223.73	0.0	65.44	7.02
943	2023-12-20 06:30:00	25.13	225.42	0.0	66.19	7.02
944	2023-12-20 06:45:00	25.54	227.12	0.0	67.33	7.04
945	2023-12-20 07:00:00	25.75	228.47	0.0	68.10	7.05
946	2023-12-20 07:15:00	25.34	228.13	0.0	68.10	7.43

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
947	2023-12-20 07:30:00	24.48	219.65	0.0	62.76	6.31
948	2023-12-20 07:45:00	24.26	218.63	0.0	63.13	5.29
949	2023-12-20 08:00:00	24.47	219.65	0.0	63.53	5.14
950	2023-12-20 08:15:00	24.05	218.65	0.0	62.37	6.00
951	2023-12-20 08:30:00	23.21	210.15	0.0	58.56	7.33
952	2023-12-20 08:45:00	23.43	210.82	0.0	58.56	6.59
953	2023-12-20 09:00:00	23.63	212.18	0.0	58.95	6.19
954	2023-12-20 09:15:00	23.63	213.20	0.0	58.56	6.41
955	2023-12-20 09:30:00	23.43	213.20	0.0	58.56	6.25
956	2023-12-20 09:45:00	23.84	213.53	0.0	58.95	6.30
957	2023-12-20 10:00:00	23.43	214.22	0.0	59.33	6.34
958	2023-12-20 10:15:00	23.84	214.55	0.0	59.33	6.34
959	2023-12-20 10:30:00	23.43	213.87	0.0	59.33	6.34
960	2023-12-20 10:45:00	23.43	215.25	0.0	59.33	6.38
961	2023-12-20 11:00:00	23.63	215.58	0.0	60.08	6.50
962	2023-12-20 11:15:00	23.84	216.25	0.0	60.08	6.54
963	2023-12-20 11:30:00	23.84	217.63	0.0	60.47	6.63
964	2023-12-20 11:45:00	24.05	218.30	0.0	60.47	6.75
965	2023-12-20 12:00:00	24.05	218.63	0.0	61.63	6.83
966	2023-12-20 12:15:00	24.47	220.00	0.0	62.01	6.93
967	2023-12-20 12:30:00	24.47	220.00	0.0	62.38	6.99
968	2023-12-20 12:45:00	24.05	221.68	0.0	62.76	7.00
969	2023-12-20 13:00:00	24.69	222.70	0.0	63.51	6.98
970	2023-12-20 13:15:00	24.91	225.07	0.0	63.51	6.96
971	2023-12-20 13:30:00	24.69	226.10	0.0	65.06	7.00
972	2023-12-20 13:45:00	24.26	226.45	0.0	65.06	6.99

Sl No	Time	ETP_1 OUTLET- BOD(mg/l)	ETP_1 OUTLET- COD(mg/l)	ETP_1 OUTLET- Flow(m3/hr)	ETP_1 OUTLET- TSS(mg/l)	ETP_1 OUTLET- pH(pH)
973	2023-12-20 14:00:00	24.91	227.45	0.0	65.81	7.00
974	2023-12-20 14:15:00	25.13	228.97	0.0	66.38	6.96
975	2023-12-20 14:30:00	25.32	230.50	0.0	68.12	6.91
976	2023-12-20 14:45:00	25.96	232.22	0.0	68.12	6.91
977	2023-12-20 15:00:00	25.75	233.57	0.0	70.39	7.04
978	2023-12-20 15:15:00	24.91	235.27	0.0	71.16	7.14
979	2023-12-20 15:30:00	26.17	235.93	0.0	71.93	7.07
980	2023-12-20 15:45:00	26.38	237.98	0.0	73.05	7.03
981	2023-12-20 16:00:00	26.38	239.65	0.0	74.19	7.04
982	2023-12-20 16:15:00	26.81	241.37	0.0	75.36	7.06
983	2023-12-20 16:30:00	27.24	242.72	0.0	76.11	6.25
984	2023-12-20 16:45:00	27.24	244.08	0.0	77.66	6.16
985	2023-12-20 17:00:00	26.60	241.72	0.0	74.21	6.89
986	2023-12-20 17:15:00	24.69	224.07	0.0	63.92	7.23
987	2023-12-20 17:30:00	24.69	224.40	0.0	63.90	6.95
988	2023-12-20 17:45:00	24.69	224.40	0.0	64.69	6.97
989	2023-12-20 18:00:00	25.34	225.07	0.0	64.30	6.96
990	2023-12-20 18:15:00	25.13	225.75	0.0	65.06	6.97
991	2023-12-20 18:30:00	24.91	226.10	0.0	65.81	6.97
992	2023-12-20 18:45:00	25.34	226.45	0.0	65.81	6.98
993	2023-12-20 19:00:00	25.13	227.45	0.0	65.44	6.96
994	2023-12-20 19:15:00	25.54	228.12	0.0	66.19	6.98
995	2023-12-20 19:30:00	25.34	228.12	0.0	66.56	6.97
996	2023-12-20 19:45:00	25.55	229.15	0.0	66.94	6.97
997	2023-12-20 20:00:00	25.34	230.17	0.0	67.73	6.97
998	2023-12-20 20:15:00	25.54	230.17	0.0	67.73	7.24

Sl No	Time	ETP_1 OUTLET- BOD(mg/l)	ETP_1 OUTLET- COD(mg/l)	ETP_1 OUTLET- Flow(m3/hr)	ETP_1 OUTLET- TSS(mg/l)	ETP_1 OUTLET- pH(pH)
999	2023-12-20 20:30:00	25.34	226.43	0.0	65.04	7.78
1000	2023-12-20 20:45:00	24.91	223.73	0.0	62.01	6.02
1001	2023-12-20 21:00:00	24.69	224.40	0.0	61.63	6.29
1002	2023-12-20 21:15:00	24.69	224.07	0.0	61.63	6.32
1003	2023-12-20 21:30:00	24.91	225.07	0.0	61.26	6.41
1004	2023-12-20 21:45:00	24.69	224.73	0.0	62.76	6.45
1005	2023-12-20 22:00:00	25.13	226.45	0.0	62.01	6.45
1006	2023-12-20 22:15:00	25.34	226.10	0.0	61.63	6.44
1007	2023-12-20 22:30:00	25.12	226.10	0.0	62.38	6.49
1008	2023-12-20 22:45:00	25.13	226.10	0.0	62.76	6.54
1009	2023-12-20 23:00:00	25.34	227.12	0.0	62.76	6.54
1010	2023-12-20 23:15:00	25.54	227.78	0.0	63.90	6.62
1011	2023-12-20 23:30:00	25.54	228.45	0.0	63.51	6.62
1012	2023-12-20 23:45:00	25.96	229.15	0.0	63.90	6.61
1013	2023-12-21 00:00:00	25.75	228.80	0.0	63.90	6.63
1014	2023-12-21 00:15:00	25.55	230.17	0.0	64.30	6.62
1015	2023-12-21 00:30:00	25.75	230.85	0.0	64.69	6.63
1016	2023-12-21 00:45:00	26.17	231.88	0.0	65.06	6.67
1017	2023-12-21 01:00:00	25.75	232.55	0.0	65.06	6.66
1018	2023-12-21 01:15:00	26.17	232.88	0.0	65.06	6.64
1019	2023-12-21 01:30:00	25.96	233.55	0.0	65.81	6.64
1020	2023-12-21 01:45:00	26.38	234.93	0.0	66.19	6.61
1021	2023-12-21 02:00:00	26.17	235.60	0.0	66.56	6.59
1022	2023-12-21 02:15:00	26.17	236.60	0.0	66.56	6.62
1023	2023-12-21 02:30:00	26.60	237.98	0.0	66.94	6.68
1024	2023-12-21 02:45:00	26.81	238.98	0.0	67.73	6.70

Sl No	Time	ETP 1 OUTLET- BOD(mg/l)	ETP 1 OUTLET- COD(mg/l)	ETP 1 OUTLET- Flow(m ³ /hr)	ETP 1 OUTLET- TSS(mg/l)	ETP 1 OUTLET- pH(pH)
1025	2023-12-21 03:00:00	27.03	240.35	0.0	68.12	6.70
1026	2023-12-21 03:15:00	27.24	241.37	0.0	69.24	6.70
1027	2023-12-21 03:30:00	27.24	242.03	0.0	69.62	6.71
1028	2023-12-21 03:45:00	27.24	244.07	0.0	69.62	6.72
1029	2023-12-21 04:00:00	27.45	244.42	0.0	70.76	6.72
1030	2023-12-21 04:15:00	27.66	246.47	0.0	71.93	6.73
1031	2023-12-21 04:30:00	27.87	247.82	0.0	72.68	6.75
1032	2023-12-21 04:45:00	28.28	248.50	0.0	72.68	6.77
1033	2023-12-21 05:00:00	27.87	250.87	0.0	73.43	6.75
1034	2023-12-21 05:15:00	28.72	251.90	0.0	74.59	6.75
1035	2023-12-21 05:30:00	28.28	253.23	0.0	74.59	6.77
1036	2023-12-21 05:45:00	28.72	254.60	0.0	76.50	6.77
1037	2023-12-21 06:00:00	28.50	255.28	0.0	76.50	6.79
1038	2023-12-21 06:15:00	28.93	256.97	0.0	77.27	6.80
1039	2023-12-21 06:30:00	28.94	258.00	0.0	78.04	6.80
1040	2023-12-21 06:45:00	29.56	260.38	0.0	79.56	6.80
1041	2023-12-21 07:00:00	29.25	261.55	0.0	80.13	6.81
1042	2023-12-21 07:15:00	20.66	191.17	0.0	33.38	7.55
1043	2023-12-21 07:30:00	21.07	191.85	0.0	33.75	6.84
1044	2023-12-21 07:45:00	21.07	192.85	0.0	33.75	6.73
1045	2023-12-21 08:00:00	21.07	193.85	0.0	34.13	6.62
1046	2023-12-21 08:15:00	21.28	194.20	0.0	34.13	6.98
1047	2023-12-21 08:30:00	21.28	193.52	0.0	33.38	7.52
1048	2023-12-21 08:45:00	21.50	194.20	0.0	34.50	7.55
1049	2023-12-21 09:00:00	21.28	195.57	0.0	34.52	7.57
1050	2023-12-21 09:15:00	21.29	195.57	0.0	34.50	7.60

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
1051	2023-12-21 09:30:00	21.07	195.57	0.0	35.27	7.60
1052	2023-12-21 09:45:00	20.66	196.23	0.0	34.50	7.64
1053	2023-12-21 10:00:00	21.50	196.23	0.0	34.88	7.62
1054	2023-12-21 10:15:00	21.72	197.25	0.0	34.88	7.60
1055	2023-12-21 10:30:00	21.72	197.93	0.0	36.06	7.57
1056	2023-12-21 10:45:00	21.72	197.93	0.0	34.90	7.54
1057	2023-12-21 11:00:00	21.72	198.95	0.0	35.27	7.65
1058	2023-12-21 11:15:00	21.72	199.98	0.0	35.27	7.75
1059	2023-12-21 11:30:00	21.28	199.30	0.0	36.06	7.73
1060	2023-12-21 11:45:00	21.72	200.33	0.0	36.06	7.68
1061	2023-12-21 12:00:00	21.94	202.00	0.0	36.81	7.73
1062	2023-12-21 12:15:00	21.94	202.35	0.0	37.56	7.75
1063	2023-12-21 12:30:00	21.93	202.70	0.0	37.93	7.77
1064	2023-12-21 12:45:00	21.72	203.38	0.0	37.56	7.78
1065	2023-12-21 13:00:00	22.15	204.38	0.0	38.31	7.77
1066	2023-12-21 13:15:00	22.35	205.05	0.0	38.70	7.75
1067	2023-12-21 13:30:00	22.35	205.40	0.0	39.49	7.69
1068	2023-12-21 13:45:00	22.35	206.77	0.0	39.47	7.61
1069	2023-12-21 14:00:00	22.78	206.77	0.0	39.47	7.60
1070	2023-12-21 14:15:00	22.35	208.45	0.0	40.61	7.61
1071	2023-12-21 14:30:00	22.78	208.80	0.0	41.40	7.60
1072	2023-12-21 14:45:00	23.00	210.15	0.0	40.61	7.61
1073	2023-12-21 15:00:00	22.56	210.82	0.0	42.17	7.61
1074	2023-12-21 15:15:00	22.57	212.18	0.0	42.17	7.58
1075	2023-12-21 15:30:00	22.79	212.87	0.0	43.29	7.58
1076	2023-12-21 15:45:00	23.22	212.87	0.0	43.29	7.59

Sl No	Time	ETP 1 OUTLET- BOD(mg/l)	ETP 1 OUTLET- COD(mg/l)	ETP 1 OUTLET- Flow(m3/hr)	ETP 1 OUTLET- TSS(mg/l)	ETP 1 OUTLET- pH(pH)
1077	2023-12-21 16:00:00	23.43	213.53	0.0	44.44	7.54
1078	2023-12-21 16:15:00	23.43	214.22	0.0	44.46	7.49
1079	2023-12-21 16:30:00	23.63	215.92	0.0	45.60	7.50
1080	2023-12-21 16:45:00	23.84	216.95	0.0	45.98	7.52
1081	2023-12-21 17:00:00	23.63	218.30	0.0	45.98	7.54
1082	2023-12-21 17:15:00	23.63	218.97	NA	47.10	7.54
1083	2023-12-21 17:30:00	23.84	219.32	0.0	47.10	7.56
1084	2023-12-21 17:45:00	24.05	221.02	0.0	48.27	7.55
1085	2023-12-21 18:00:00	24.05	222.02	0.0	49.03	7.57
1086	2023-12-21 18:15:00	24.47	223.38	0.0	49.78	7.60
1087	2023-12-21 18:30:00	24.91	224.40	0.0	50.91	7.61
1088	2023-12-21 18:45:00	24.69	224.40	0.0	49.78	7.71
1089	2023-12-21 19:00:00	24.47	223.38	0.0	50.53	7.82
1090	2023-12-21 19:15:00	25.34	226.10	0.0	52.46	7.84
1091	2023-12-21 19:30:00	24.48	228.47	0.0	53.96	7.83
1092	2023-12-21 19:45:00	25.13	228.12	0.0	53.96	7.84
1093	2023-12-21 20:00:00	25.34	229.48	0.0	54.36	7.86
1094	2023-12-21 20:15:00	25.34	230.85	0.0	55.13	7.84
1095	2023-12-21 20:30:00	25.54	232.55	0.0	56.27	7.86
1096	2023-12-21 20:45:00	25.75	234.60	0.0	57.02	7.86
1097	2023-12-21 21:00:00	25.75	232.22	0.0	56.64	7.86
1098	2023-12-21 21:15:00	25.54	230.52	0.0	55.89	7.89
1099	2023-12-21 21:30:00	25.54	231.53	0.0	57.77	7.89
1100	2023-12-21 21:45:00	26.17	233.57	0.0	57.77	7.91
1101	2023-12-21 22:00:00	25.96	235.27	0.0	60.10	7.91
1102	2023-12-21 22:15:00	26.17	237.28	0.0	60.49	7.92

Sl No	Time	ETP 1 OUTLET- BOD(mg/l)	ETP 1 OUTLET- COD(mg/l)	ETP 1 OUTLET- Flow(m ³ /hr)	ETP 1 OUTLET- ETP 1 OUTLET- TSS(mg/l)	ETP 1 OUTLET- pH(pH)
1103	2023-12-21 22:30:00	26.60	238.98	0.0	62.38	7.92
1104	2023-12-21 22:45:00	27.02	240.00	0.0	61.63	7.93
1105	2023-12-21 23:00:00	26.81	241.70	0.0	63.51	7.92
1106	2023-12-21 23:15:00	27.45	243.05	0.0	64.69	7.93
1107	2023-12-21 23:30:00	27.45	243.40	0.0	65.81	7.93
1108	2023-12-21 23:45:00	26.81	245.10	0.0	65.81	7.94
1109	2023-12-22 00:00:00	27.87	247.13	0.0	66.94	7.94
1110	2023-12-22 00:15:00	27.66	247.48	0.0	68.12	7.94
1111	2023-12-22 00:30:00	28.07	248.83	0.0	68.10	7.96
1112	2023-12-22 00:45:00	26.39	238.32	0.0	65.06	7.95
1113	2023-12-22 01:00:00	26.60	235.60	0.0	64.30	7.96
1114	2023-12-22 01:15:00	26.39	236.95	0.0	66.19	7.97
1115	2023-12-22 01:30:00	27.24	238.65	0.0	66.96	7.98
1116	2023-12-22 01:45:00	26.81	238.98	0.0	68.12	7.98
1117	2023-12-22 02:00:00	26.81	240.68	0.0	68.47	7.97
1118	2023-12-22 02:15:00	27.02	241.70	0.0	69.62	7.98
1119	2023-12-22 02:30:00	27.45	243.75	0.0	69.62	7.99
1120	2023-12-22 02:45:00	27.45	245.10	0.0	71.55	8.00
1121	2023-12-22 03:00:00	27.03	245.78	0.0	71.93	7.99
1122	2023-12-22 03:15:00	27.87	248.15	0.0	73.45	8.00
1123	2023-12-22 03:30:00	27.66	250.18	0.0	74.59	8.00
1124	2023-12-22 03:45:00	28.28	251.55	0.0	75.73	8.00
1125	2023-12-22 04:00:00	28.28	252.90	0.0	76.90	8.00
1126	2023-12-22 04:15:00	27.02	241.70	0.0	69.24	6.70
1127	2023-12-22 04:30:00	25.13	225.75	0.0	60.47	7.35
1128	2023-12-22 04:45:00	25.12	225.77	0.0	60.08	7.52

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
1129	2023-12-22 05:00:00	24.91	225.75	0.0	60.47	7.54
1130	2023-12-22 05:15:00	25.12	226.43	0.0	60.47	7.55
1131	2023-12-22 05:30:00	25.54	226.78	0.0	60.47	7.57
1132	2023-12-22 05:45:00	25.34	226.78	0.0	60.47	7.56
1133	2023-12-22 06:00:00	25.34	227.45	0.0	60.87	7.57
1134	2023-12-22 06:15:00	25.34	227.78	0.0	61.24	7.57
1135	2023-12-22 06:30:00	25.54	228.12	0.0	60.47	7.58
1136	2023-12-22 06:45:00	25.54	228.45	0.0	61.63	7.58
1137	2023-12-22 07:00:00	25.75	229.15	0.0	62.01	7.58
1138	2023-12-22 07:15:00	25.34	229.50	0.0	62.38	7.59
1139	2023-12-22 07:30:00	25.34	229.83	0.0	62.38	7.59
1140	2023-12-22 07:45:00	25.75	229.15	0.0	61.63	7.60
1141	2023-12-22 08:00:00	25.75	230.50	0.0	62.01	7.61
1142	2023-12-22 08:15:00	25.75	230.17	0.0	62.38	7.61
1143	2023-12-22 08:30:00	25.75	230.50	0.0	62.76	7.60
1144	2023-12-22 08:45:00	25.54	230.50	0.0	62.38	7.64
1145	2023-12-22 09:00:00	25.96	228.12	0.0	61.63	7.49
1146	2023-12-22 09:15:00	25.75	228.80	0.0	61.63	6.45
1147	2023-12-22 09:30:00	25.34	228.45	0.0	61.26	6.52
1148	2023-12-22 09:45:00	25.54	229.15	0.0	61.26	6.72
1149	2023-12-22 10:00:00	25.13	231.20	0.0	62.38	6.77
1150	2023-12-22 10:15:00	25.75	231.88	0.0	62.38	6.69
1151	2023-12-22 10:30:00	23.20	202.70	0.0	39.85	7.75
1152	2023-12-22 10:45:00	21.50	195.90	0.0	34.88	6.21
1153	2023-12-22 11:00:00	21.28	196.23	0.0	34.88	6.53
1154	2023-12-22 11:15:00	21.50	197.25	0.0	35.67	6.58

Sl No	Time	ETP 1 OUTLET- BOD(mg/l)	ETP 1 OUTLET- COD(mg/l)	ETP 1 OUTLET- Flow(m ³ /hr)	ETP 1 OUTLET- TSS(mg/l)	ETP 1 OUTLET- pH(pH)
1155	2023-12-22 11:30:00	21.50	197.60	0.0	35.27	6.54
1156	2023-12-22 11:45:00	21.72	198.28	0.0	35.27	6.52
1157	2023-12-22 12:00:00	21.72	199.65	0.0	36.81	6.62
1158	2023-12-22 12:15:00	21.50	200.00	0.0	37.18	6.64
1159	2023-12-22 12:30:00	21.94	200.32	0.0	37.56	6.72
1160	2023-12-22 12:45:00	21.61	201.50	0.0	37.75	6.79
1161	2023-12-22 13:00:00	21.94	203.03	0.0	38.33	6.82
1162	2023-12-22 13:15:00	21.94	203.72	0.0	39.10	6.83
1163	2023-12-22 13:30:00	22.15	205.75	0.0	39.10	6.87
1164	2023-12-22 13:45:00	22.15	206.43	0.0	40.24	6.88
1165	2023-12-22 14:00:00	22.78	208.10	0.0	41.00	6.87
1166	2023-12-22 14:15:00	22.56	208.80	NA	40.61	6.91
1167	2023-12-22 14:30:00	23.00	210.15	0.0	41.79	6.94
1168	2023-12-22 14:45:00	22.78	211.52	0.0	42.92	7.17
1169	2023-12-22 15:00:00	22.99	207.10	0.0	39.09	7.89
1170	2023-12-22 15:15:00	21.29	201.68	0.0	34.13	8.28
1171	2023-12-22 15:30:00	21.50	198.95	0.0	33.00	8.40
1172	2023-12-22 15:45:00	21.28	197.93	0.0	33.19	8.43
1173	2023-12-22 16:00:00	21.07	198.28	0.0	32.63	8.44
1174	2023-12-22 16:15:00	21.28	197.60	0.0	32.63	8.44
1175	2023-12-22 16:30:00	20.66	197.95	0.0	32.63	8.47
1176	2023-12-22 16:45:00	21.72	197.25	0.0	32.23	8.46
1177	2023-12-22 17:00:00	20.87	197.60	0.0	32.63	8.47
1178	2023-12-22 17:15:00	21.07	197.60	0.0	33.00	8.47
1179	2023-12-22 17:30:00	21.50	197.25	0.0	31.84	8.49
1180	2023-12-22 17:45:00	21.72	196.57	0.0	31.44	8.50

Sl No	Time	ETP 1 OUTLET- BOD(mg/l)	ETP 1 OUTLET- COD(mg/l)	ETP 1 OUTLET- Flow(m ³ /hr)	ETP 1 OUTLET- TSS(mg/l)	ETP 1 OUTLET- pH(pH)
1181	2023-12-22 18:00:00	20.87	195.90	0.0	31.44	8.51
1182	2023-12-22 18:15:00	21.50	196.90	0.0	31.84	8.52
1183	2023-12-22 18:30:00	21.07	196.23	0.0	32.63	8.52
1184	2023-12-22 18:45:00	20.66	195.90	0.0	32.63	8.53
1185	2023-12-22 19:00:00	21.29	196.23	0.0	31.84	8.53
1186	2023-12-22 19:15:00	21.28	196.57	0.0	33.00	8.54
1187	2023-12-22 19:30:00	21.72	196.90	0.0	32.23	8.55
1188	2023-12-22 19:45:00	21.09	196.90	0.0	33.38	8.57
1189	2023-12-22 20:00:00	21.50	196.92	0.0	33.00	8.57
1190	2023-12-22 20:15:00	21.28	197.25	0.0	33.00	8.58
1191	2023-12-22 20:30:00	21.94	197.25	0.0	33.38	8.58
1192	2023-12-22 20:45:00	21.29	197.25	0.0	33.00	8.57
1193	2023-12-22 21:00:00	21.94	197.60	0.0	33.00	8.59
1194	2023-12-22 21:15:00	21.71	196.90	0.0	33.38	8.58
1195	2023-12-22 21:30:00	21.72	198.28	0.0	33.38	8.59
1196	2023-12-22 21:45:00	22.15	197.25	0.0	33.00	6.59
1197	2023-12-22 22:00:00	21.50	197.95	0.0	33.00	6.23
1198	2023-12-22 22:15:00	21.72	197.95	0.0	32.63	6.31
1199	2023-12-22 22:30:00	21.93	197.95	0.0	33.38	6.33
1200	2023-12-22 22:45:00	21.28	198.28	0.0	33.75	6.37
1201	2023-12-22 23:00:00	21.30	198.28	0.0	33.00	6.36
1202	2023-12-22 23:15:00	22.15	198.95	0.0	33.75	6.40
1203	2023-12-22 23:30:00	21.93	198.95	0.0	34.50	6.45
1204	2023-12-22 23:45:00	21.72	200.00	0.0	33.75	6.49
1205	2023-12-23 00:00:00	22.15	201.00	0.0	34.88	6.51
1206	2023-12-23 00:15:00	22.35	201.33	0.0	34.50	6.54

Sl No	Time	ETP 1 OUTLET- BOD(mg/l)	ETP 1 OUTLET- COD(mg/l)	ETP 1 OUTLET- Flow(m ³ /hr)	ETP 1 OUTLET- TSS(mg/l)	ETP 1 OUTLET- pH(pH)
1207	2023-12-23 00:30:00	22.35	201.67	0.0	34.13	6.55
1208	2023-12-23 00:45:00	22.15	202.70	0.0	34.88	6.54
1209	2023-12-23 01:00:00	22.35	203.38	0.0	34.90	6.60
1210	2023-12-23 01:15:00	22.78	204.05	0.0	35.27	6.63
1211	2023-12-23 01:30:00	22.78	204.38	0.0	35.67	6.71
1212	2023-12-23 01:45:00	22.35	204.38	0.0	35.27	6.73
1213	2023-12-23 02:00:00	23.42	206.43	0.0	36.43	6.75
1214	2023-12-23 02:15:00	23.22	206.43	0.0	36.43	6.73
1215	2023-12-23 02:30:00	23.00	207.77	0.0	36.81	6.79
1216	2023-12-23 02:45:00	22.78	208.45	0.0	37.18	6.82
1217	2023-12-23 03:00:00	23.42	208.45	0.0	37.18	6.82
1218	2023-12-23 03:15:00	23.43	209.82	0.0	38.70	6.84
1219	2023-12-23 03:30:00	23.22	210.15	0.0	37.93	6.87
1220	2023-12-23 03:45:00	23.63	211.15	0.0	38.70	6.89
1221	2023-12-23 04:00:00	23.22	210.82	0.0	39.49	6.91
1222	2023-12-23 04:15:00	23.43	212.20	0.0	39.10	6.93
1223	2023-12-23 04:30:00	24.06	212.53	0.0	39.47	6.92
1224	2023-12-23 04:45:00	23.63	213.53	0.0	39.86	6.91
1225	2023-12-23 05:00:00	23.63	213.53	0.0	40.61	6.94
1226	2023-12-23 05:15:00	23.84	214.20	0.0	41.40	6.95
1227	2023-12-23 05:30:00	24.26	214.90	0.0	41.79	6.97
1228	2023-12-23 05:45:00	24.05	215.58	0.0	42.17	6.97
1229	2023-12-23 06:00:00	24.47	216.95	0.0	42.17	6.98
1230	2023-12-23 06:15:00	24.47	217.30	0.0	41.79	7.01
1231	2023-12-23 06:30:00	24.47	217.97	0.0	42.92	7.00
1232	2023-12-23 06:45:00	24.47	217.97	0.0	42.92	7.00

Sl No	Time	ETP 1 OUTLET- BOD(mg/l)	ETP 1 OUTLET- COD(mg/l)	ETP 1 OUTLET- Flow(m3/hr)	ETP 1 OUTLET- TSS(mg/l)	ETP 1 OUTLET- pH(pH)
1233	2023-12-23 07:00:00	24.26	218.97	0.0	44.04	7.02
1234	2023-12-23 07:15:00	24.47	220.35	0.0	44.04	7.03
1235	2023-12-23 07:30:00	24.91	220.35	0.0	44.46	7.07
1236	2023-12-23 07:45:00	24.90	220.33	0.0	44.83	7.05
1237	2023-12-23 08:00:00	24.47	221.02	0.0	44.83	7.02
1238	2023-12-23 08:15:00	24.91	221.68	0.0	44.83	7.00
1239	2023-12-23 08:30:00	24.47	222.35	0.0	46.35	7.01
1240	2023-12-23 08:45:00	24.91	222.70	0.0	45.23	7.03
1241	2023-12-23 09:00:00	24.70	224.73	0.0	45.98	7.03
1242	2023-12-23 09:15:00	25.13	225.07	0.0	47.10	7.02
1243	2023-12-23 09:30:00	24.91	226.10	0.0	49.03	7.00
1244	2023-12-23 09:45:00	25.34	227.78	0.0	48.27	7.00
1245	2023-12-23 10:00:00	25.75	229.15	0.0	48.66	7.00
1246	2023-12-23 10:15:00	25.34	231.20	0.0	49.78	6.99
1247	2023-12-23 10:30:00	25.75	232.55	0.0	50.93	7.01
1248	2023-12-23 10:45:00	25.96	233.90	0.0	50.53	6.99
1249	2023-12-23 11:00:00	25.75	234.58	0.0	52.46	6.99
1250	2023-12-23 11:15:00	26.17	236.60	0.0	52.46	7.05
1251	2023-12-23 11:30:00	26.39	238.65	0.0	53.59	7.11
1252	2023-12-23 11:45:00	26.60	239.33	0.0	55.13	7.14
1253	2023-12-23 12:00:00	26.17	241.37	0.0	55.50	7.16
1254	2023-12-23 12:15:00	27.24	243.05	0.0	57.39	7.16
1255	2023-12-23 12:30:00	27.24	245.78	0.0	58.95	7.17
1256	2023-12-23 12:45:00	27.23	246.47	0.0	60.10	7.18
1257	2023-12-23 13:00:00	27.87	249.18	0.0	61.63	7.14
1258	2023-12-23 13:15:00	25.33	231.87	0.0	51.69	7.87

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m ³ /hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
1259	2023-12-23 13:30:00	21.72	200.65	0.0	33.75	6.64
1260	2023-12-23 13:45:00	21.72	198.28	0.0	34.13	6.45
1261	2023-12-23 14:00:00	21.71	198.62	0.0	33.75	6.34
1262	2023-12-23 14:15:00	21.50	200.00	0.0	35.27	6.53
1263	2023-12-23 14:30:00	21.71	200.67	0.0	34.90	6.61
1264	2023-12-23 14:45:00	21.93	202.02	0.0	35.67	6.57
1265	2023-12-23 15:00:00	21.94	204.05	0.0	36.43	6.52
1266	2023-12-23 15:15:00	22.35	205.05	0.0	37.56	6.53
1267	2023-12-23 15:30:00	22.78	205.75	0.0	37.56	6.51
1268	2023-12-23 15:45:00	22.56	207.10	0.0	38.33	6.48
1269	2023-12-23 16:00:00	22.78	207.77	0.0	38.70	6.52
1270	2023-12-23 16:15:00	22.35	209.15	0.0	39.49	6.57
1271	2023-12-23 16:30:00	22.35	208.80	0.0	39.86	6.61
1272	2023-12-23 16:45:00	23.00	209.48	0.0	39.49	6.64
1273	2023-12-23 17:00:00	21.93	206.43	0.0	38.33	7.31
1274	2023-12-23 17:15:00	21.72	201.67	0.0	36.06	6.98
1275	2023-12-23 17:30:00	21.94	201.67	0.0	36.04	6.98
1276	2023-12-23 17:45:00	21.29	202.70	0.0	36.43	7.03
1277	2023-12-23 18:00:00	21.72	203.38	0.0	36.41	7.03
1278	2023-12-23 18:15:00	22.35	203.05	0.0	36.43	7.04
1279	2023-12-23 18:30:00	22.15	203.05	0.0	36.43	7.07
1280	2023-12-23 18:45:00	22.15	204.38	0.0	36.81	7.08
1281	2023-12-23 19:00:00	22.57	205.07	0.0	36.81	7.09
1282	2023-12-23 19:15:00	22.78	205.40	0.0	37.56	7.10
1283	2023-12-23 19:30:00	22.35	205.40	0.0	37.56	7.11
1284	2023-12-23 19:45:00	22.56	206.77	0.0	38.31	7.15

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m ³ /hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
1285	2023-12-23 20:00:00	22.78	207.43	0.0	39.08	7.16
1286	2023-12-23 20:15:00	23.00	207.77	0.0	39.10	7.18
1287	2023-12-23 20:30:00	22.78	209.13	0.0	39.10	7.18
1288	2023-12-23 20:45:00	23.00	209.47	0.0	39.49	7.21
1289	2023-12-23 21:00:00	22.78	210.15	0.0	40.24	7.21
1290	2023-12-23 21:15:00	23.00	210.15	0.0	40.24	7.25
1291	2023-12-23 21:30:00	23.22	210.82	0.0	41.40	7.25
1292	2023-12-23 21:45:00	23.00	210.82	0.0	41.40	7.25
1293	2023-12-23 22:00:00	23.43	211.50	0.0	41.79	7.28
1294	2023-12-23 22:15:00	23.43	212.52	0.0	42.17	7.27
1295	2023-12-23 22:30:00	23.84	212.52	0.0	42.54	7.31
1296	2023-12-23 22:45:00	23.63	213.87	0.0	42.92	7.32
1297	2023-12-23 23:00:00	24.26	214.57	0.0	43.67	7.34
1298	2023-12-23 23:15:00	23.84	214.90	0.0	43.67	7.34
1299	2023-12-23 23:30:00	24.05	215.58	0.0	43.29	7.37
1300	2023-12-23 23:45:00	23.63	216.25	0.0	44.04	7.37
1301	2023-12-24 00:00:00	24.26	217.30	0.0	44.83	7.38
1302	2023-12-24 00:15:00	24.47	217.63	0.0	45.21	7.39
1303	2023-12-24 00:30:00	24.47	218.63	0.0	46.35	7.41
1304	2023-12-24 00:45:00	24.48	219.30	0.0	46.35	7.44
1305	2023-12-24 01:00:00	24.47	220.35	0.0	45.98	7.44
1306	2023-12-24 01:15:00	24.69	222.03	0.0	47.48	7.44
1307	2023-12-24 01:30:00	24.47	222.02	0.0	47.10	7.44
1308	2023-12-24 01:45:00	24.69	222.70	0.0	48.27	7.45
1309	2023-12-24 02:00:00	25.13	223.38	0.0	48.66	7.47
1310	2023-12-24 02:15:00	25.33	223.73	0.0	49.03	7.47

Sl No	Time	ETP 1 OUTLET- BOD(mg/l)	ETP 1 OUTLET- COD(mg/l)	ETP 1 OUTLET- Flow(m ³ /hr)	ETP 1 OUTLET- TSS(mg/l)	ETP 1 OUTLET- pH(pH)
1311	2023-12-24 02:30:00	24.69	224.40	0.0	49.41	7.50
1312	2023-12-24 02:45:00	24.91	225.42	0.0	50.91	7.50
1313	2023-12-24 03:00:00	25.13	226.45	0.0	50.53	7.51
1314	2023-12-24 03:15:00	25.97	227.45	0.0	51.70	7.52
1315	2023-12-24 03:30:00	24.90	228.12	0.0	51.70	7.53
1316	2023-12-24 03:45:00	25.54	228.45	0.0	52.46	7.53
1317	2023-12-24 04:00:00	25.54	229.13	0.0	53.21	7.53
1318	2023-12-24 04:15:00	25.75	229.50	0.0	53.21	7.54
1319	2023-12-24 04:30:00	25.54	230.85	0.0	53.59	7.55
1320	2023-12-24 04:45:00	25.75	231.53	0.0	54.34	7.55
1321	2023-12-24 05:00:00	26.17	232.55	0.0	55.13	7.57
1322	2023-12-24 05:15:00	25.75	232.88	0.0	56.27	7.54
1323	2023-12-24 05:30:00	26.17	234.60	0.0	55.89	7.57
1324	2023-12-24 05:45:00	26.81	234.92	0.0	56.64	7.56
1325	2023-12-24 06:00:00	26.17	235.93	0.0	57.02	7.59
1326	2023-12-24 06:15:00	26.39	236.27	0.0	57.02	7.57
1327	2023-12-24 06:30:00	25.75	230.52	0.0	53.59	7.19
1328	2023-12-24 06:45:00	25.34	228.80	0.0	52.46	7.72
1329	2023-12-24 07:00:00	25.54	229.50	0.0	52.46	7.76
1330	2023-12-24 07:15:00	25.34	230.17	0.0	52.46	7.76
1331	2023-12-24 07:30:00	25.54	229.83	0.0	52.46	7.78
1332	2023-12-24 07:45:00	25.96	230.17	0.0	52.84	7.76
1333	2023-12-24 08:00:00	25.75	231.20	0.0	52.84	7.76
1334	2023-12-24 08:15:00	25.75	230.50	0.0	52.84	7.77
1335	2023-12-24 08:30:00	25.75	231.55	0.0	53.21	7.77
1336	2023-12-24 08:45:00	25.54	231.88	0.0	53.59	7.77

Sl No	Time	ETP_1 OUTLET- BOD(mg/l)	ETP_1 OUTLET- COD(mg/l)	ETP_1 OUTLET- Flow(m3/hr)	ETP_1 OUTLET- TSS(mg/l)	ETP_1 OUTLET- pH(pH)
1337	2023-12-24 09:00:00	25.75	232.22	0.0	53.96	7.76
1338	2023-12-24 09:15:00	25.75	233.22	0.0	53.96	7.75
1339	2023-12-24 09:30:00	25.96	233.55	0.0	53.96	7.76
1340	2023-12-24 09:45:00	26.17	234.93	0.0	53.96	7.75
1341	2023-12-24 10:00:00	26.39	233.90	0.0	54.34	7.73
1342	2023-12-24 10:15:00	25.75	235.27	0.0	54.34	7.73
1343	2023-12-24 10:30:00	26.17	235.27	0.0	54.73	7.74
1344	2023-12-24 10:45:00	25.96	235.93	0.0	55.52	7.72
1345	2023-12-24 11:00:00	26.39	236.27	0.0	55.52	7.71
1346	2023-12-24 11:15:00	26.17	236.27	0.0	54.75	7.77
1347	2023-12-24 11:30:00	26.38	237.30	0.0	55.13	7.87
1348	2023-12-24 11:45:00	25.75	237.30	0.0	55.89	7.98
1349	2023-12-24 12:00:00	25.96	237.65	0.0	55.89	8.00
1350	2023-12-24 12:15:00	26.60	238.65	0.0	56.64	7.99
1351	2023-12-24 12:30:00	26.60	239.33	0.0	56.27	7.65
1352	2023-12-24 12:45:00	26.39	238.30	0.0	56.64	7.53
1353	2023-12-24 13:00:00	21.29	195.90	0.0	34.89	7.20
1354	2023-12-24 13:15:00	20.45	188.80	0.0	32.23	6.63
1355	2023-12-24 13:30:00	20.66	189.13	0.0	32.23	6.62
1356	2023-12-24 13:45:00	20.45	190.47	0.0	32.23	6.71
1357	2023-12-24 14:00:00	20.03	190.80	0.0	32.61	6.94
1358	2023-12-24 14:15:00	20.44	192.18	0.0	33.38	7.03
1359	2023-12-24 14:30:00	20.87	193.18	0.0	33.38	7.00
1360	2023-12-24 14:45:00	20.66	193.35	0.0	33.19	6.94
1361	2023-12-24 15:00:00	NA	NA	NA	NA	NA
1362	2023-12-24 15:15:00	NA	NA	NA	NA	NA

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m ³ /hr)	ETP_1_OUTLET- ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
1363	2023-12-24 15:30:00	NA	NA	NA	NA	NA
1364	2023-12-24 15:45:00	21.28	197.95	0.0	34.88	6.83
1365	2023-12-24 16:00:00	21.50	197.60	0.0	34.88	6.84
1366	2023-12-24 16:15:00	21.50	198.27	0.0	35.67	6.86
1367	2023-12-24 16:30:00	21.72	198.62	0.0	36.06	6.88
1368	2023-12-24 16:45:00	21.93	198.95	0.0	37.18	6.91
1369	2023-12-24 17:00:00	21.72	200.00	0.0	36.81	6.91
1370	2023-12-24 17:15:00	21.72	201.33	0.0	37.56	6.95
1371	2023-12-24 17:30:00	21.72	201.00	0.0	37.56	6.96
1372	2023-12-24 17:45:00	21.94	201.67	0.0	37.18	6.96
1373	2023-12-24 18:00:00	21.94	202.35	0.0	38.31	6.98
1374	2023-12-24 18:15:00	21.93	203.05	0.0	38.70	6.97
1375	2023-12-24 18:30:00	22.35	203.72	0.0	38.31	6.99
1376	2023-12-24 18:45:00	22.35	203.72	0.0	39.10	6.98
1377	2023-12-24 19:00:00	22.35	204.72	0.0	39.86	7.00
1378	2023-12-24 19:15:00	22.35	205.40	0.0	41.00	7.02
1379	2023-12-24 19:30:00	22.78	206.08	0.0	41.00	7.03
1380	2023-12-24 19:45:00	23.22	206.77	0.0	42.17	7.05
1381	2023-12-24 20:00:00	22.56	208.10	0.0	42.92	7.06
1382	2023-12-24 20:15:00	22.78	208.80	0.0	42.17	7.07
1383	2023-12-24 20:30:00	23.43	209.15	0.0	43.29	7.09
1384	2023-12-24 20:45:00	23.21	210.82	0.0	44.04	7.11
1385	2023-12-24 21:00:00	23.00	211.15	0.0	44.83	7.12
1386	2023-12-24 21:15:00	23.63	212.18	0.0	45.23	7.13
1387	2023-12-24 21:30:00	23.43	213.87	0.0	45.98	7.16

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m ³ /hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET- pH(pH)
1388	2023-12-24 21:45:00	23.84	215.92	0.0	47.10	7.18
1389	2023-12-24 22:00:00	24.06	215.92	0.0	48.64	7.19
1390	2023-12-24 22:15:00	23.84	217.63	0.0	48.66	7.18
1391	2023-12-24 22:30:00	24.69	218.63	0.0	50.16	7.21
1392	2023-12-24 22:45:00	24.05	219.98	0.0	50.53	7.23
1393	2023-12-24 23:00:00	24.47	222.02	0.0	51.30	7.25
1394	2023-12-24 23:15:00	24.91	222.70	0.0	52.09	7.26
1395	2023-12-24 23:30:00	24.91	223.40	0.0	53.21	7.27
1396	2023-12-24 23:45:00	25.12	224.73	0.0	53.96	7.26
1397	2023-12-25 00:00:00	24.91	226.78	0.0	54.73	7.29
1398	2023-12-25 00:15:00	25.54	227.45	0.0	56.27	7.31
1399	2023-12-25 00:30:00	25.34	229.15	0.0	56.64	7.31
1400	2023-12-25 00:45:00	25.54	230.52	0.0	57.79	7.33
1401	2023-12-25 01:00:00	25.75	231.88	0.0	58.56	7.32
1402	2023-12-25 01:15:00	25.75	232.55	0.0	59.70	7.32
1403	2023-12-25 01:30:00	26.38	235.27	0.0	61.24	7.35
1404	2023-12-25 01:45:00	26.38	235.93	0.0	62.01	7.36
1405	2023-12-25 02:00:00	26.60	237.30	0.0	63.13	7.36
1406	2023-12-25 02:15:00	26.81	239.32	0.0	64.30	7.36
1407	2023-12-25 02:30:00	26.60	240.70	0.0	65.44	7.36
1408	2023-12-25 02:45:00	27.45	242.72	0.0	66.94	7.37
1409	2023-12-25 03:00:00	27.45	244.43	0.0	67.73	7.38
1410	2023-12-25 03:15:00	27.66	246.13	0.0	69.62	7.39
1411	2023-12-25 03:30:00	27.66	248.15	0.0	71.16	7.39
1412	2023-12-25 03:45:00	27.87	249.85	0.0	73.05	7.40
1413	2023-12-25 04:00:00	28.07	251.90	0.0	74.59	7.41

Sl No	Time	ETP_1_OUTLET- BOD(mg/l)	ETP_1_OUTLET- COD(mg/l)	ETP_1_OUTLET- Flow(m3/hr)	ETP_1_OUTLET- TSS(mg/l)	ETP_1_OUTLET pH(pH)
1414	2023-12-25 04:15:00	28.28	254.60	0.0	74.98	7.42
1415	2023-12-25 04:30:00	28.72	255.95	0.0	77.29	7.45
1416	2023-12-25 04:45:00	28.94	257.65	0.0	78.41	7.45
1417	2023-12-25 05:00:00	29.15	260.05	0.0	79.93	7.47
1418	2023-12-25 05:15:00	29.56	262.05	0.0	81.84	7.46

Report Details: SRO_SDLAPUR | 2024-05-08 11:14:37 | Real Time Report