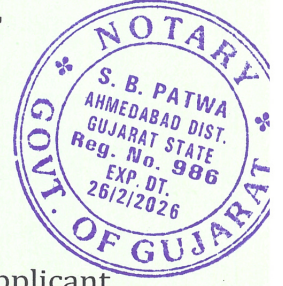


818

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

ORIGINAL APPLICATION NO. 91 OF 2023 (WZ)



Aditya Singh Chauhan

...Applicant

Versus

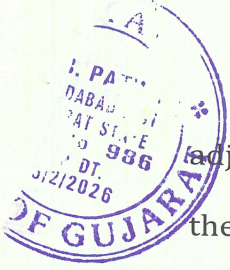
Gujarat Pollution Control Board & Ors.

...Respondents

**AFFIDAVIT-IN-REPLY OF THE RESPONDENT NO. 4 - AHMEDABAD
MUNICIPAL CORPORATION (AMC).**

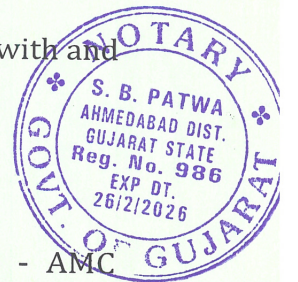
I, Himanshu Mehta, Additional City Engineer (South Zone) and authorized signatory on Ahmedabad Municipal Corporation ("AMC"), having its office at Dr. Shyamaprasad Mukherji Bhavan, Opp. Maninagar Fire-Station, Maninagar, Ahmedabad, do hereby solemnly affirm and state on oath as under:

1. At the outset it is most respectfully submitted that this Hon'ble Tribunal, vide order dated 07.08.2025, recorded that none had appeared on behalf of Respondent No. 4 - The City Engineer, Water Resource Management, Engineering Department, AMC nor was any reply affidavit filed in compliance with the earlier order dated 28.03.2025.
2. It is respectfully submitted that on the said date, counsel and officers representing Respondent No. 4 were virtually present through the link provided in the cause list. The appearance was also duly entered in the chat box of the virtual proceedings. Furthermore, the order dated 06.08.2025 clearly records that



adjournment had been sought by the parties. In light of these facts, the recording of absence of Respondent No.4 appears to have been made inadvertently. It is, therefore, reiterated with utmost respect that Respondent No. 4 was duly represented and virtually present before this Hon'ble Tribunal.

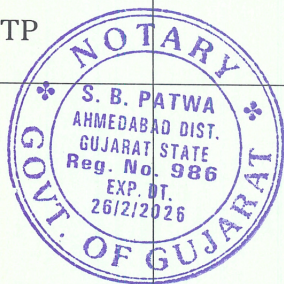
3. It is respectfully submitted that the present Original Application was filed on 1104.2023 and registered on 27.06.2023. Respondent No. 4 entered appearance in the matter on 23.10.2024. The order dated 23.10.2024 also records that the issue pertaining to the discharge of untreated effluents polluting the River Sabarmati is already under continuous monitoring by the Hon'ble High Court of Gujarat in Writ Petition (PIL) No. 98 of 2021.
4. It is respectfully submitted that the Hon'ble High Court of Gujarat is presently monitoring the self-same issue in the aforesaid Writ Petition (PIL) No. 98 of 2021; and this fact is evident from the recent orders passed by the Hon'ble High Court. Copies of the orders passed by the Hon'ble High Court in the year 2025 are annexed herewith and marked as Annexure-R1(Colly.)
5. It is respectfully submitted that the Respondent No. 4 - AMC recently filed a detailed affidavit before the Hon'ble Gujarat High Court dated 6th August 2025. In the said affidavit, the answering Respondent had provided the details of the establishment of new Sewage Treatment Plants (STPs) and progress status of the existing STPs. The tabulated progress report as contained in the





affidavit dated 6th August 2025 submitted before the Hon'ble High Court is reproduced hereunder for ready reference.

STP name	Progress as on 02.05.2025 (last date of hearing of the Captioned PIL)	Progress as on 01.08.2025
180MLD New Pirana STP	35%	48%
60MLD Kotarpur STP	STP was in taking 25 MLD sewage	Now, the STP is intaking 40MLD sewage
240MLD Vasna STP	7%	15%
70MLD Vinzol STP	8%	15%
5 MLD Lambha STP	This STP was receiving 2MLD excess flow; and, as a result, the treatment was not optimal.	Now, the 2 MLD excess flow has been diverted to another STP, and the 5 MLD Lambha STP is performing at 100% capacity, optimally.

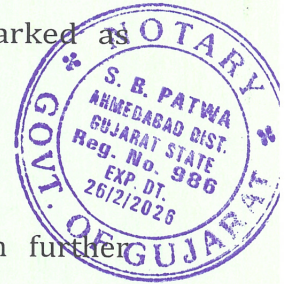


6. It is respectfully submitted that in Writ Petition (PIL) No. 98 of 2021 *vide* affidavit dated 6th August 2025 Respondent No. 4 herein has also produced an updated blueprint/roadmap adopted by it for the



purposes of augmentation and upgradation of the sewage treatment infrastructure in the City of Ahmedabad. The affidavit dated 6th August 2025 is annexed herewith and marked as

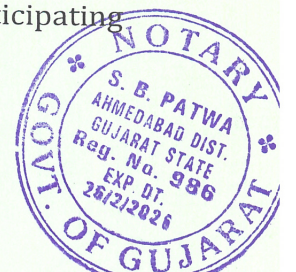
Annexure R2.



7. Respondent No. 4 undertakes to place on record such further affidavits, reports or documents arising out of proceedings in Writ Petition (PIL) No. 98 of 2021 or any other relevant material as and when necessitated or as directed by this Hon'ble Tribunal.
8. It is respectfully submitted that this Hon'ble Tribunal, vide order dated 23.08.2024 passed in Original Application No. 91/2023 (WZ), has clearly recorded that while the Hon'ble High Court of Gujarat in Writ Petition (PIL) No. 98/2021 is seized of the larger issue of pollution in the Sabarmati River on account of discharge of untreated sewage and industrial effluents, the specific question of compliance with Zero Liquid Discharge (ZLD) obligations by individual industries stands independently before this Hon'ble Tribunal.
9. It is further observed therein that certain industries had initially obtained amended consents on the basis of ZLD obligations after the Hon'ble High Court prohibited discharge into AMC's drainage pipelines vide orders dated 24.12.2021 and 28.01.2022. Subsequently, with the commissioning of the CETP in September 2023, the Gujarat Pollution Control Board (GPCB) recorded that these industries may seek to discharge into the CETP, subject to the

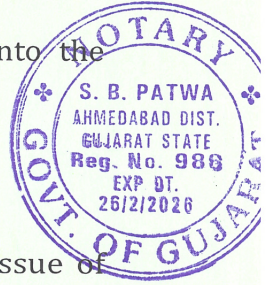
concurrence of this Hon'ble Tribunal or of the Hon'ble High Court of Gujarat.

10. The Hon'ble Tribunal has also made it explicit that while the larger issue of river pollution is under consideration before the Hon'ble High Court, the matter is ZLD compliance and its enforcement is a distinct issue to be addressed by this Hon'ble Tribunal. The Tribunal has sought clarification from the GPCB, as whether the Hon'ble High Court has passed any order permitting such a shift from ZLD obligations to CETP discharge.
11. In the light of the above, Respondent No.4 most respectfully submits that the compliance obligations concerning ZLD and CETP discharge are under the careful scrutiny of both forums and Respondent No. 4 shall abide by any directions issued either by the Hon'ble High Court of Gujarat or by this Hon'ble Tribunal, as the case may be.
12. Without prejudice to the above submissions, it is respectfully stated that Respondent No. 4 is conscious of its obligations in relation to Zero Liquid Discharge and submits that further compliance details shall be placed before this Hon'ble Tribunal in terms of the order dated 23.08.2024 passed by this Hon'ble Tribunal.
13. In view of the foregoing submissions, it is most respectfully reiterated that the Respondent No. 4 has been diligently participating in the proceedings, both before this Hon'ble Tribunal





and before the Hon'ble High Court of Gujarat and has at all times extended full cooperation in the monitoring and regulatory process concerning discharge of sewage and industrial effluents into the River Sabarmati.



14. Respondent No. 4 humbly submits that since the larger issue of river pollution is being continuously monitored by the Hon'ble High Court in Writ Petition (PIL) No. 98 of 2021. It is, therefore, most respectfully prayed that this Hon'ble Tribunal may be pleased to take the present affidavit on record and direct that the complete record of the present Original Application be furnished to Respondent No.4 and pass such other as may be deemed fit by this Hon'ble Court.

[Signature]

DEPONENT

VERIFICATION

I, Himanshu Mehta, adult, serving as _____, Ahmedabad Municipal Corporation, do hereby state and declare on solemn affirmation that what is stated herein above is based on documents and information available from the record and I believe the same to be true.

Solemnly affirmed at Ahmedabad on this the _____ day of September 2025.

SERIAL No. 5519/2025
BOOK No. A
PAGE No. 804
DATE 9/10/2025

[Signature]

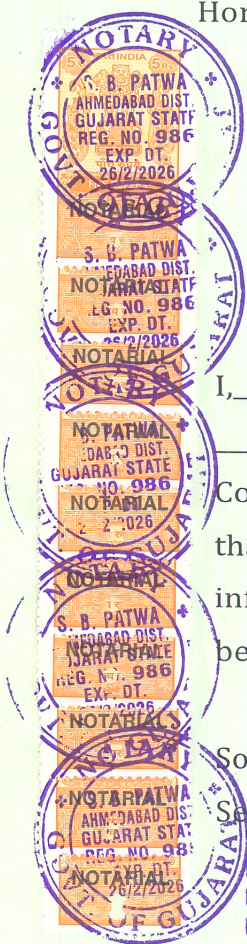
SOLEMNLY AFFIRMED BEFORE ME

S. B. PATWA
NOTARY
GOVT. OF GUJART

DEPONENT

- 9 OCT 2025

[Signature]
S. B. PATWA
NOTARY
GOVT. OF GUJARAT



C/WPPIL/98/2021

ORDER DATED: 07/02/2025

IN THE HIGH COURT OF GUJARAT AT AHMEDABAD

**R/WRIT PETITION (PIL) (WRIT PETITION (PIL)) NO.
98 of 2021**

With

**CIVIL APPLICATION (FOR JOINING PARTY) NO. 1 of
2024**

In R/WRIT PETITION (PIL) NO. 98 of 2021

With

**CIVIL APPLICATION (FOR DIRECTION) NO. 4 of 2022
In R/WRIT PETITION (PIL) NO. 98 of 2021**

With

**MISC. CIVIL APPLICATION (FOR CLARIFICATION) NO.
8 of 2022**

In R/WRIT PETITION (PIL) NO. 98 of 2021

With

**CIVIL APPLICATION (FOR JOINING PARTY) NO. 9 of
2022**

In R/WRIT PETITION (PIL) NO. 98 of 2021

=====
SUO MOTU

Versus

AHMEDABAD MUNICIPAL CORPORATION THROUGH THE
MUNICIPAL COMMISSIONER, AHMEDABAD & ORS.
=====

Appearance:

MR HEMANG M SHAH(5399) for the Applicant(s) No. 1

SUO MOTU for the Applicant(s) No. 1

DEVANSHI P MALKAN(9307) for the Opponent(s) No. 10

G H VIRK(7392) for the Opponent(s) No. 1,15

MS RUMI M GANDHI(3472) for the Opponent(s) No. 6

MS. KRUTI M SHAH(2428) for the Opponent(s) No. 5

SHIVANG P JANI(8285) for the Opponent(s) No. 16

SINGHI & CO(2725) for the Opponent(s) No. 11,12,7,8

TANAYA G SHAH(8430) for the Opponent(s) No. 14

VATSAL M PARIKH(9340) for the Opponent(s) No. 10

GOVERNMENT PLEADER for the Opponent(s) No. 4

MR CHINMAY M GANDHI(3979) for the Opponent(s) No. 6

MR DEVANG VYAS(2794) for the Opponent(s) No. 3

MR KH BAXI(150) for the Opponent(s) No. 4

MR MRUGEN K PUROHIT(1224) for the Opponent(s) No. 13

MR RUTUL P DESAI(6498) for the Opponent(s) No. 2

MS MEGHA JANI(1028) for the Opponent(s) No. 9
MS NIKITA C GANDHI(11570) for the Opponent(s) No. 6
=====

**CORAM:HONOURABLE THE CHIEF JUSTICE MRS.
JUSTICE SUNITA AGARWAL
and
HONOURABLE MS. JUSTICE VAIBHAVI D.
NANAVATI**

Date : 07/02/2025

ORAL ORDER

**(PER : HONOURABLE THE CHIEF JUSTICE
MRS. JUSTICE SUNITA AGARWAL)**

1. Mr. G.H. Virk, learned advocate appearing for the respondent - Ahmedabad Municipal Corporation (AMC), has invited attention of the Court to the Affidavit dated 29.01.2025, filed in compliance of order dated 06.12.2024. By means of the said affidavit, the progress in the matter of establishment of new Sewage Treatment Plants (STPs); refurbishment / renovation of the existing, old STPs and progress of bio-remediation work to treat the excess sewage being discharged from by-pass, has been brought on record. As per the description given in the said affidavit, it seems that substantial progress has been made in all three directions. For further compliance of the directions contained in this petition, as prayed by Mr. G.H. Virk, learned advocate for the respondent - AMC, the matter is posted on 07.03.2025.

2. Mr. Hemang Shah, learned amicus curiae has provided the copy of the 12th Report of the Joint Task Force,

which has inspected 7 CETPs i.e. Common Effluent Treatment Plants set-up by the industry. A concern has been raised in the Report, with regard to the increased level of TDS (comprising of Chloride, Sulphate and FDS) and colour in the treated water being discharged from CEPTs to mega pipeline, i.e. Ahmedabad Mega Clean Association (AMCA). Copy of the said report shall be served upon the learned counsel appearing for the AMCA, who shall file his response on the next date fixed.

3. The Gujarat Pollution Control Board (GPCB) shall file the Report of the monthly inspections being made by it, under the directions issued by this Court.

4. As regards the inspections to be carried-out by the Joint Task Force, it would be appropriate that such inspections be carried-out on quarterly basis and reports be submitted to this Court.

5. Put up the matter on 07.03.2025.

(SUNITA AGARWAL, CJ)

(VAIBHAVI D. NANAVATI,J)

Pradyuman

IN THE HIGH COURT OF GUJARAT AT AHMEDABAD

R/WRIT PETITION (PIL) (WRIT PETITION (PIL)) NO. 98 of 2021

With

CIVIL APPLICATION (FOR JOINING PARTY) NO. 1 of 2024

In R/WRIT PETITION (PIL) NO. 98 of 2021

With

CIVIL APPLICATION (FOR DIRECTION) NO. 4 of 2022

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With

MISC. CIVIL APPLICATION (FOR CLARIFICATION) NO. 8 of 2022

In R/WRIT PETITION (PIL) NO. 98 of 2021

With

CIVIL APPLICATION (FOR JOINING PARTY) NO. 9 of 2022

In R/WRIT PETITION (PIL) NO. 98 of 2021

=====

SUO MOTU

Versus

**AHMEDABAD MUNICIPAL CORPORATION THROUGH THE MUNICIPAL
COMMISSIONER, AHMEDABAD & ORS.**

=====

Appearance:

MR HEMANG M SHAH(5399) for the Applicant(s) No. 1

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MR CHINMAY M GANDHI(3979) for the Opponent(s) No. 6

MR DEVANG VYAS, Sr. Adv. With Mr. JASH THAKKAR, ADV. (2794) for the
Opponent(s) No. 3

MR KH BAXI(150) for the Opponent(s) No. 4

MR MRUGEN K PUROHIT(1224) for the Opponent(s) No. 13

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MS MEGHA JANI(1028) for the Opponent(s) No. 9

MS NIKITA C GANDHI(11570) for the Opponent(s) No. 6

=====

**CORAM: HONOURABLE THE CHIEF JUSTICE MRS. JUSTICE
SUNITA AGARWAL**

and

HONOURABLE MS. JUSTICE VAIBHAVI D. NANAVATI

Date : 02/05/2025

**ORAL ORDER
(PER : HONOURABLE THE CHIEF JUSTICE MRS. JUSTICE SUNITA AGARWAL)**

In compliance of the order dated 07.02.2025, the affidavit of the Municipal Commissioner, Ahmedabad dated 24.04.2025 has been placed before us to bring on record the update of the work done uptill 22nd April, 2025 in the following matters :-

“A. Progress made in the establishment of new Sewage Treatment Plants (STPs).
B. Refurbishment/renovation of the existing, old STPs and
C. Progress of bioremediation work to treat the excess discharge.”

2. It is placed on record that the work of infrastructure development and full-fledged commission of the facility for bio-remediation treatment has been completed. As an immediate solution to the issue of by-pass, so as to offer treatment to the sewage including by-pass, the AMC has decided to put in place bio-remediation of sewage by employing microbial consortia, which has delivered positive results in the cleaning of the River Ganga under the ‘Namami Gange’ Mission. It is stated that dosing has started at each of the 9 locations selected for the purpose and on conservative basis, it has resulted in the improvement of quality of water to the range of 30-35% on average basis. Further improvement is expected once the quantity and dosing pattern of

consortium is fixed with the passage of time. Full-fledged commission of the bio-remediation facility as was assured by the end of March, 2025 has been honoured. Further steps are taken for refurbishment of existing lagoons at Pirana and Vasna compounds for the above bio-remediation work. The overall progress of the work is 80% in Vasna and 95% in Pirana. For the Vinzol compound, overall progress is about 15% and is expected to be completed by July, 2025. These are short term solution till the completion and commissioning of the STPs.

3. It is stated that long term permanent solution for by-pass as per the blueprint, would be achieved with the commissioning of the 424 MLD Pirana STP, for which Work Order has been issued on 17.01.2025 and the construction work has commenced. In respect of 375 MLD Vasna STP, it is stated that the said STP is under construction and presently is progressing as per the schedule.

4. Regarding progress in the establishment of the new STPs concerning 5 STPs (75 MLD Vinzol; 30 MLD Sola; 15 MLD Jagatpur; 424 MLD Pirana; 375 MLD Vasna), it has been shown in the affidavit with the categorical statement that two STPs namely 30 MLD Sola and 15 MLD Jagatpur are expected to be completed by the September, 2025; whereas 75 MLD Vinzol is expected to be completed by 15.02.2026. With respect to two major STPs, namely 424 MLD Pirana and 375 MLD Vasna, the details are noted hereinabove. The submission is that these five STPs would be compliant with the treatment norms prescribed by the National

Green Tribunal. An updated version of the blueprint as on 22.04.2025 is appended as Annexure R/6.

5. As regards 106 MLD Old Pirana STP and 60 MLD old Pirana STP, the short term and medium term solution are being set in place, but as a long term solution for these STPs, it is stated that they would be achieved as part of the tender, which would be published in the said revised exercise.

6. We require the Municipal Commissioner, AMC to bring the detailed progress report on long term basis solution for the above two STPs in the next affidavit.

7. For 180 MLD New Pirana STP, it is stated that as a long term solution, the work of upgrading of the plant is under way. Similarly, for 60 MLD Kotarpur STP; 240 MLD Vasna STP; 70 MLD Vinzol STP & 5 MLD Lombha STP, it is stated that as a part of the long term solution, the work of upgradation so as to optimise the activities of these STPs is underway. The Municipal Commissioner, AMC is directed to file further affidavit to bring on record the progress report in the said matter.

8. For 155 MLD New Pirana STP; 25 MLD Shankarbhuvan STP, 48 MLD Vasna STP, 60 MLD Jalvihar STP, 35 MLD Vinzol STP; 100 MLD Vinzol STP; 30 MLD Maleksaban STP, it is stated that the said STPs have been performing optimally. The GPCB is directed to submit inspection report with regard to the working of these STPs.

9. Mr. Hemang Raval has placed before us the 13th report of the Joint Task Force for the samples collected by it in the month of March, 2025. It is stated therein that two CETPs i.e. Common Effluent Treatment Plants set up by the industries are using Chlorine to address the colour being discharged in water from CEPTs to mega pipe lines, which has resulted in increase of TDS to the toxicity level. Whereas the problem of increase level of TDS and colour in the water being discharged from CEPTs to mega pipe line maintained by the Ahmedabd Mega Clean Association (AMCA) is still subsisting. On the other hand, the learned advocate for the AMCA would submit that a reply to the 12th report of the Joint Task Force has already been filed, however, time be granted to reply to the 13th report.

10. The learned advocate appearing for the AMCA is directed to file affidavit on its behalf to bring before us the solution to the problems of increase level of TDS and colour in the treated water being discharged from CETPs to the mega pipe line by the next date fixed.

Put up this matter on 08.08.2025 at 2.30 p.m..

(SUNITA AGARWAL, CJ)

(VAIBHAVI D. NANAVATI,J)

C.M. JOSHI

IN THE HIGH COURT OF GUJARAT AT AHMEDABAD**R/WRIT PETITION (PIL) (WRIT PETITION (PIL)) NO. 98 of
2021****With****CIVIL APPLICATION (FOR JOINING PARTY) NO. 1 of 2024
In R/WRIT PETITION (PIL) NO. 98 of 2021****With****CIVIL APPLICATION (FOR DIRECTION) NO. 4 of 2022
In R/WRIT PETITION (PIL) NO. 98 of 2021****With****MISC. CIVIL APPLICATION (FOR CLARIFICATION) NO. 8 of
2022****In R/WRIT PETITION (PIL) NO. 98 of 2021****With****CIVIL APPLICATION (FOR JOINING PARTY) NO. 9 of 2022
In R/WRIT PETITION (PIL) NO. 98 of 2021**=====
SUO MOTU**Versus****AHMEDABAD MUNICIPAL CORPORATION THROUGH THE
MUNICIPAL COMMISSIONER, AHMEDABAD & ORS.**
=====**Appearance:****MR HEMANG M SHAH(5399) for the Applicant(s) No. 1****SUO MOTU for the Applicant(s) No. 1****DEVANSHI P MALKAN(9307) for the Opponent(s) No. 10****G H VIRK(7392) for the Opponent(s) No. 1,15****MS RUMI M GANDHI(3472) for the Opponent(s) No. 6****MS. KRUTI M SHAH(2428) for the Opponent(s) No. 5****SHIVANG P JANI(8285) for the Opponent(s) No. 16****SINGHI & CO(2725) for the Opponent(s) No. 11,12,7,8****TANAYA G SHAH(8430) for the Opponent(s) No. 14****VATSAL M PARIKH(9340) for the Opponent(s) No. 10****GOVERNMENT PLEADER for the Opponent(s) No. 4****MR CHINMAY M GANDHI(3979) for the Opponent(s) No. 6****MR DEVANG VYAS WITH MR JASH THAKKAR (2794) for the
Opponent(s) No. 3****MR KH BAXI(150) for the Opponent(s) No. 4****MR MRUGEN K PUROHIT(1224) for the Opponent(s) No. 13****MR RUTUL P DESAI(6498) for the Opponent(s) No. 2****MS MEGHA JANI(1028) for the Opponent(s) No. 9****MS NIKITA C GANDHI(11570) for the Opponent(s) No. 6**
=====**CORAM:HONOURABLE THE CHIEF JUSTICE MRS. JUSTICE
SUNITA AGARWAL**

and
**HONOURABLE MS. JUSTICE VAIBHAVI D.
NANAVATI**

Date : 08/08/2025

**ORAL ORDER
(PER : HONOURABLE THE CHIEF JUSTICE
MRS. JUSTICE SUNITA AGARWAL)**

1. In compliance of the order dated 02.05.2025 passed by this Court, the affidavit dated 16.08.2025 of the Municipal Commissioner, Ahmedabad Municipal Corporation has been placed before us to bring on record the progress made in the matter of upgradation of the existing STPs and construction of new STPs. As regards 106 MLD Old Pirana and 60 MLD Old Pirana STPs, it is placed on record that to synergize the development work, it has been decided to have a Tertiary Treatment Plant (TTP) along with STPs so that the treated water from these STPs can be used for industrial purposes.
2. Meetings were held with various industrial associations chaired by the Municipal Commissioner himself and a proposal received from one of the industrial associations is presently under technical and commercial scrutiny. It is submitted that both these STPs are part of a single campus and the Ahmedabad Municipal Corporation (AMC) is endeavouring to achieve upgradation of these STPs with the facility of the tertiary treatment so as to secure usable treated water from these STPs in the long term.
3. The submission is that the short term and medium term solutions for these two STPs have already been achieved and

the STPs at present are achieving the design norms. However, there is no statement in the affidavit to the effect that both the STPs are confirming the National Green Tribunal (NGT) norms and as a part of the long term solution, upgradation of STPs has been planned and underway. Creation of TTP alongside STP is a welcome step, but the progress made in the upgradation of these two STPs is not before us.

4. Mr. G.H. Virk, learned counsel appearing for the Corporation would submit that a clear and categorical report about the long term solution for upgradation of these two STPs will be brought on record on the next date fixed.

5. For the remaining old and new STPs, the progress of the work undertaken till date has been brought on record and it is submitted by Mr. Virk that because of the weather condition/heavy monsoon, the civil work could not be completed at the pace at which it was required. As a result, there has been some delay in the progress of the work on site. The Municipal Commissioner, Ahmedabad Municipal Corporation is personally monitoring the progress to ensure that all these STPs would be compliant with the treatment norms prescribed by the NGT.

6. Apart from upgradation of STPs, there is a persistent issue of overflowing of untreated water and a stop-gap solution for such bypass water is bioremediation apparatus deployed to treat such water. It is submitted that as on date, all 9 bioremediation sites are operational and over a period of past 3 months, bioremediation cultures have been consistently

deployed at all 9 sites and the results reveal that there is a reduction in pollutants in the wastewater in the range of 50-55% at all 9 locations. The Central Laboratory results of all 9 bioremediation locations is appended as Annexure 'R2'.

7. It is submitted that refurbishment work of existing lagoons at Pirana and Vasna for the bioremediation work has been fully completed and the AMC is now diverting excess flow of sewage into the lagoons for bioremediation treatment. For Vinzol, the lagoon work is underway and was delayed on account of gas utility line of the ONGC. It is submitted that long term permanent solution for bypass, as per the blueprint, would be achieved with the commissioning of 424 MLD Pirana STP for which Work Order has been issued on 17.01.2025. As on date, the work has progressed as planned. The commissioning of another STP of 375 MLD Vasna, which is considered as a long term permanent solution of bypass, as per the blueprint, is underway and the progress is upto 35% over all.

8. Taking note of the above, we may record that during the course of argument, it was deliberated that now that the bioremediation sites are in place, the AMC must have a fair idea of the volume of the bypass water which was being overflowed because of the incapacity of the existing STPs, as untreated water. There is a fair admission on the part of the learned advocate appearing for the AMC that the AMC has not been achieving 100% results of treating the entire volume of bypass water (untreated water) through the bioremediation sites set in place.

9. In our opinion, it is required that an exercise be conducted by the AMC to assess the volume of overflowed water being treated in the bioremediation sites and the remaining overflowed water which cannot be treated in the existing bioremediation sites. The bioremediation work is a stop-gap arrangement and it achieves only 50-55% result in treating the sewage water. After assessment of the volume of the untreated water or half-treated water with the bioremediation work, the AMC by engaging experts has to revisit its plan for creation/commissioning of new STPs, both in terms of treating the existing volume of untreated water and the estimated future increase in the volume of sewage water. The expert body is required to make an assessment as to whether the five new commissioned STPs and the upgradation of the existing STPs, as per the blueprint, submitted by the AMC before this Court, would be sufficient to treat the entire volume of sewage water and there would be no release of untreated water, in case all new STPs are commissioned and old STPs are upgraded to be compliant with the treatment per the norms prescribed by the NGT. A fresh report after making such an assessment is to be submitted before this Court by the AMC.

10. Coming to the issue of the industrial water being released in the Ahmedabad Mega Pipeline after treatment of the same by Common Effluent Treatment Plants (CEPTs) by the industries, the quarterly report of the Joint Task Force dated 04.08.2025 has been placed before us by Mr. Hemang Shah, learned *Amicus* wherein the issue of not achieving standard parameters such as COD, TDS (comprising of

carbonates, chloride, sulphide) as also the chemical colour of the treated trade affluent, has been raised.

11. It is reported that all 7 CETPs are not meeting the norms with respect to colour; 2 CETPs are not meeting the prescribed norms of COD (Chemical Oxygen Demand) and 6 out of 7 CETPs are not meeting the prescribed norms of BOD (Biological Oxygen Demand). Dissolved solids (TDS, FDS, Chloride, Sulphide) have been observed in excess in almost all CETPs treated water. An issue with regard to the accumulated sludge at the CETP sites has also been raised in the report.

12. When these issues were raised, it was pointed out by Mr. Devang Vyas, learned Senior counsel appearing for the Gujarat Pollution Control Board (GPCB) that the GPCB has engaged National Environmental Research Institute (NEERI), an expert institute, and its experts had visited the site of 7 CETPs and had suggested certain measures for reducing the colour impact by adding chlorine in the water during treatment by the CETPs, which has, in turn, resulted in the increase in the levels of COD and BOD.

13. It is submitted by the learned Senior counsel for the GPCB that GPCB is engaging NEERI to find out the permanent solution for treating industrial water released from Ahmedabad Mega Pipeline, so that instead of releasing the treated water into the river or water streams, the treated industrial water from the CETPs can be supplied to the industries for their usage. It is submitted that CETPs also would have to be upgraded and cooperation of Ahmedabad

Mega Clean Association (AMCA) would also be required.

14. The learned advocate appearing for the industrial association running CETPs and the learned Senior counsel appearing for the AMCA would submit that they are committed to extend all possible support in finding out a permanent solution to the problem of release of the treated industrial water, which does not meet the standard norms.

15. We may simply note from the report of the Joint Task Force that the COD and BOD parameters are crucial water quality parameters for rivers and high COD levels potentially lead to oxygen depletion in the river whereas high BOD measures would make it difficult for the micro-organisms to break down. If excess organic compounds are released in the river, it would lead to eutrophication where excessive nutrients lead to harmful algal blooms and other ecological damage, which further degrade the water quality.

16. In the affidavit of the Municipal Commissioner, as also in the report of the Joint Task Force, it is placed on record that the work of cleaning of Sabarmati river was carried out during the months of May/June 2025. During the cleaning drive conducted by the AMC with its sister concern, viz. Sabarmati Riverfront Development Corporation Ltd., nearly 164 tonnes of plastic waste, 85 tonnes of cloths/textile waste, 89 tonnes of wooden waste and approximately 600 tonnes of other waste was physically removed from the Sabarmati river. This exercise was completed with the civic support of more than 50000 personnel from Non-Government Organisations (NGO) and more than 50000 civilians including students from

educational institutions and employees of banks. Even 5000 uniformed servicemen from the Home Guards and the Police Department participated in the clean-up drive conducted on 05.06.2025 on the World Environment Day.

17. We may applaud the work done by the AMC and the Sabarmati Riverfront Development Corporation Ltd. by engaging civilians/people of the city in the cleaning drive. However, all these will go in vain with the continuous release of untreated/half-treated sewage water or the treated industrial water not meeting the prescribed norms.

18. It is, therefore, necessary that everyone engaged in the process, be it AMC, CETPs, AMCA and denizens of the city, have to go the extra mile to find out all possible solutions and make an endeavour to make the Sabarmati river pollution free and keep the river water which is the lifeline, as pure as natural water.

19. With the above observations and directions, we post the matter on 10.10.2025 at 2.30 PM.

(SUNITA AGARWAL, CJ)

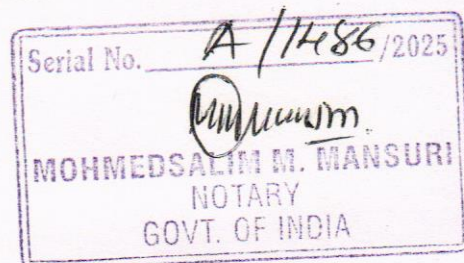
(VAIBHAVI D. NANAVATI,J)

BIJOY B. PILLAI

Hearing on 08.08.2025

IN THE HON'BLE HIGH COURT OF GUJARAT
DISTRICT: AHMEDABAD

WRIT PETITION (PIL) NO. 98 OF 2021



v.

Ahmedabad Municipal Corporation & Ors.

... Respondents

06 AUG 2025

FURTHER AFFIDAVIT ON BEHALF OF THE RESPONDENT NO. 1 –
AHMEDABAD MUNICIPAL CORPORATION, IN COMPLIANCE OF
THE ORAL ORDER DATED 02.05.2025 PASSED BY THIS HON'BLE
COURT

I, Banchhanidhi Pani, IAS, Municipal Commissioner, Ahmedabad Municipal Corporation ("AMC"), the Respondent No. 1 in the captioned Petition, having office at Sardar Patel Bhavan, Danapith, Ahmedabad – 380 001 (Gujarat), do hereby solemnly affirm and state on oath as under:

1. I respectfully submit that, earlier, in compliance of the Oral Order dated 07.02.2025 passed by this Hon'ble Court, two Further Affidavits dated 05.03.2025 (pgs. 4415 to 4523) and 24.04.2025 (pgs. 4524 to 4589) have been filed in the captioned PIL, providing an update of the work done till that date.
2. The present Further Affidavit is being filed in furtherance thereof, in compliance of the Oral Order dated 02.05.2025.
3. At the very outset, it is respectfully submitted that the answering Respondent - AMC is not treating the captioned Public Interest Litigation (PIL) as adversarial; and AMC is committed to honouring the directions issued by this Hon'ble Court.



Removal of all physical impurities from Sabarmati river during May-June 2025

4. As part of maintenance work of the gates of the Vasna Barrage, the flow of water through the stretch of Sabarmati river flowing through Ahmedabad city, was stopped. AMC along with its sister-concern, Sabarmati Riverfront Development Corporation Limited (SRFDCL) utilized this period to remove physical pollutants from the river bed. Between 15.05.2025 and 05.06.2025, the entire **riverbed came to be cleaned; and nearly 164 tonnes of plastic** waste was removed. Additionally **85 tonnes of cloth/textile waste, 89 tonnes of wooden waste** and **600 tonnes of other waste** was removed from the river. A compilation of photographs, evidencing the work done by AMC during this period, is annexed hereto and marked as **Annexure-R1**.

5. In addition to participation by Constitutional Dignitaries and elected representatives, this exercise was completed with the civic support of more than 50000 personnel from Non-Government Organisations and more than 50000 civilians (including students from more than 25 educational institutions and employees of banks).

6. As part of the above referred work, on World Environment Day, i.e. on 05.06.2025, more than 5000 uniformed servicemen from the Home Guards and Police Department participated in the clean-up.

Positive results delivered by the bioremediation apparatus deployed to treat excess flow of wastewater

7. As an immediate solution to the issue of bypass, so as to offer treatment to the sewage undergoing bypass, AMC has deployed bioremediation treatment of sewage by employing microbial consortia, which has delivered positive results in the cleaning of River Ganga under the 'Namani Gange' Mission.

8. At the time of the last hearing of the captioned PIL on 02.05.2025, all 9 bioremediation sites were operationalized. Over the past 3 months, bioremediation cultures have been consistently deployed at all 9 sites and the results have revealed that there is reduction in pollutants in



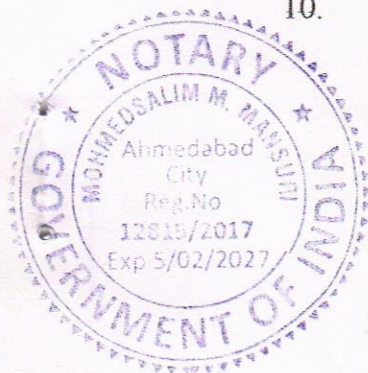
wastewater, in the range of 50-55% at all 9 locations. The Central Laboratory Results of all 9 bioremediation locations are annexed hereto and marked as Annexure-R2.

9. Inasmuch as the refurbishment of existing lagoons at Pirana and Vasna compounds for the abovementioned bioremediation work is concerned, the said work has been fully completed. AMC has, now, started diverting excess flow of sewage into the lagoons for bioremediation-treatment. Photographs of the said exercise are annexed hereto and marked as Annexure-R3. For the Vinzol compound, the lagoon work is still underway and was delayed on account of obstruction of gas-utility line of the Oil and Natural Gas Corporation of India Limited (ONGC). The overall progress at Vinzol site, which was 15% on 02.05.2025 (last date of hearing of the captioned PIL) is now 70%.

10. The long-term, permanent solution for bypass as per the Blue-Print would be achieved with the commissioning of the 424 MLD Pirana STP, for which Work Order was issued on 17.01.2025. On the last date of hearing of the captioned PIL on 02.05.2025, the work was at its pre-execution, planning stage. As on 05.08.2025 (three months later), the work has progressed as planned, and has reach 4%. The progress report of the 424 MLD Pirana STP is annexed hereto and marked as Annexure-R4. I respectfully submit that looking the importance of this STP, I have personally visited the STP-site to review the progress on-ground.

11. Similarly, the long-term, permanent solution for the bypass as per the Blue-Print would also be achieved with the commissioning of the 375 MLD Vasna STP, which has progressed up to 35% overall and nearly 49% for the work of the phase-1 of 125 MLD; is progressing as scheduled. The progress report of the 375 MLD Vasna STP is annexed hereto and marked as Annexure-R5.

(P.T.O.)



Direction I in Oral Order dated 02.05.2025

"5. As regards 106 MLD Old Pirana STP and 60 MLD old Pirana STP, the short term and medium term solution are being set in place, but as a long term solution for these STPs, it is stated that they would be achieved as part of the tender, which would be published in the said revised exercise.

6. We require the Municipal Commissioner, AMC to bring the detailed progress report on long term basis solution for the above two STPs in the next affidavit."

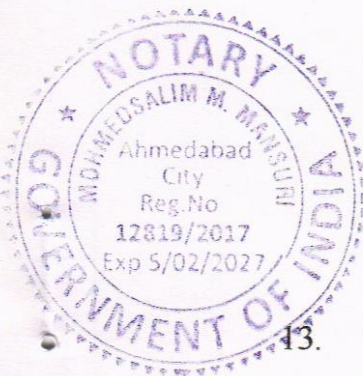
12. Insofar as the long-term solution for the 106 MLD Old Pirana STP and 60 MLD Old Pirana STP is concerned, it has been decided, to synergize the development work, to have a Tertiary Treatment Plant (TTP) along with the STPs, so that the treated water from these STPs can be used for industrial purposes. To achieve this revised objective, meetings were held with various industrial associations. Two recent meetings were chaired by the Deponent – Municipal Commissioner on 22.07.2025 and 29.07.2025.

13. Recently, on 05.08.2025, a proposal has been received from one of the industrial associations – Narol Textile Infrastructure and Enviro Management (NTIEM), which is presently under technical and commercial scrutiny.

14. It is respectfully submitted that the 106 MLD Old Pirana STP and 60 MLD Old Pirana STP are part of a single campus. AMC is endeavouring to achieve upgradation of these STPs with the facility of Tertiary Treatment so as to secure usable treated water from these STPs in the long-term.

15. Insofar as the short-term and medium-term solutions for these 2 STPs are concerned, they have been achieved within the time-frame committed before this Hon'ble Court. The STPs, at present, are achieving the design-norms.

(P.T.O.)



Direction II in Oral Order dated 02.05.2025

"7. For 180 MLD New Pirana STP, it is stated that as a long term solution, the work of upgrading of the plant is under way. Similarly, for 60 MLD Kotarpur STP; 240 MLD Vasna STP; 70 MLD Vinzol STP & 5 MLD Lambha STP, it is stated that as a part of the long term solution, the work of upgradation so as to optimise the activities of these STPs is underway. The Municipal Commissioner, AMC is directed to file further affidavit to bring on record the progress report in the said matter."

16. A tabulated progress-status for the long-term solution of the above mentioned 5 STPs is as under:

STP name	Progress as on 02.05.2025 (last date of hearing of the captioned PIL)	Progress as on 01.08.2025	Detailed Progress Report
180 MLD New Pirana STP	35%	48%	<u>Annexure R6</u>
60 MLD Kotarpur STP	STP was intaking 25 MLD sewage	Now, the STP is intaking 40 MLD sewage	-
240 MLD Vasna STP	7%	15%	<u>Annexure-R7</u>
70 MLD Vinzol STP	8%	15%	<u>Annexure-R8</u>
5 MLD Lambha STP	This STP was receiving 2 MLD excess flow; and, as a result, the treatment was not optimal.	Now, the 2 MLD excess flow has been diverted to another STP, and the 5 MLD Lambha STP is performing at 100% capacity, optimally.	-

Re.: Progress report regarding establishment of new STPs

17. It is respectfully submitted that, in all, 5, standalone, new STPs are envisaged as part of the Blue-Print submitted by AMC before this Hon'ble Court. With the commissioning of the first 125 MLD stream of the 375 MLD Vasna STP, the existing 126 MLD Vasna STP would be decommissioned.

18. The updates concerning these 5 STPs are as under:

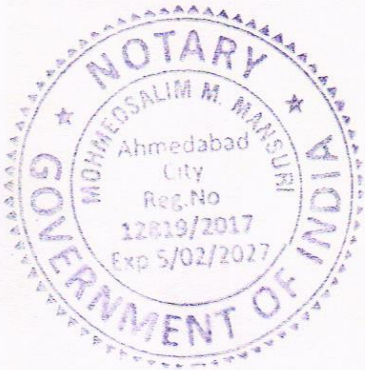


18.1. Insofar as the 75 MLD Vinzol STP is concerned, the work is progressing as per schedule. Raft work of SBR units is in progress. Column footing and side wall work of major units is in the progress. The physical progress of the work is 35%. The STP is expected to be completed by 15.02.2026. The updated progress report in this regard is annexed hereto and marked as Annexure-R9.

18.2. Insofar as the 30 MLD Sola STP is concerned, the present progress of the civil work is about 64%. The work of decanter erection in SBR is under progress. Excavation of sewage pumping station and filter assembly has been started. Work of chlorine contact tank is near to completion and work of preliminary treatment unit is progressing at slab level. The STP was expected to be completed by 15.09.2025. However, local residents protested against the construction of the STP. In fact, a Public Interest Litigation, being WP(PIL) No. 73 of 2024 was filed before this Hon'ble Court challenging the construction of the STP. This Hon'ble Court, *vide* its Oral Order dated 29.11.2024, was pleased to permit the petitioners therein to withdraw the said PIL as the said petitioners therein proposed to file an intervenor application in the captioned PIL. As a result, there has been some delay in the progress of the work on site. The updated progress report in this regard is annexed hereto and marked as Annexure-R10.

18.3. Insofar as the 15 MLD Jagatpur STP is concerned, the present progress of the civil work is about 61%. The work of column footing is in progress at sewage pumping station and centrifuge building. The work of column footing is near to completion in all SBR units. The STP was expected to be completed by 15.09.2025. However, local residents protested against the construction of the STP. As a result, there has been some delay in the progress of the work on site. The updated progress report in this regard is annexed hereto and marked as Annexure-R11.

18.4. Insofar as the 424 MLD Pirana STP is concerned, the work of fencing and compound wall has been completed. Excavation of SBR unit is under progress. RMC plant has been installed and store construction is under progress. Drawing submission has been started and draft ES has been submitted.



18.5. Insofar as the 375 MLD Vasna STP is concerned, the progress is as per the schedule. Physical progress at site is 34% for overall project. The phase-1 of 125 MLD out of 375 MLD STP is progressing at 48%. More than 90% work of SBR has been completed. Blower installation is in the progress. Chloring contact tank work has been completed. The updated progress report in this regard is annexed hereto and marked as Annexure-R12.

19. It is respectfully submitted that all these STPs would be compliant with the treatment norms prescribed by the Hon'ble National Green Tribunal.

Re.: Progress report in compliance of the Oral Order dated 07.02.2025 passed by this Hon'ble Court.

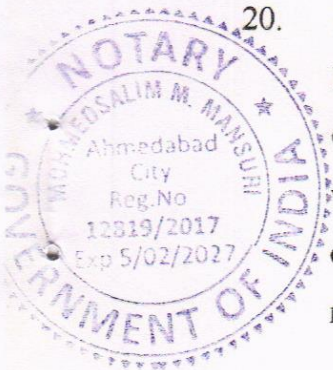
20. I respectfully submit that along with an affidavit dated 09.04.2024, a "Blue-Print of the Sewage Treatment Infrastructure catering the needs of Ahmedabad City; and Road-Map for its augmentation and upgradation" (the "Blue-Print") was submitted to the Hon'ble Court. The updated position of the Blue-Print as on 01.08.2025 (the "Blue-Print Progress Report 9"), is as annexed hereto and marked as ANNEXURE-R13.

Re.: Refurbishment / renovation of the existing old STPs.

21. Inasmuch as the STP-wise updates are concerned, it is respectfully submitted that that the short-term and medium-term commitments as per the Blue-Print have been completed; and the progress, insofar as the long-term commitments are concerned, is as under, -

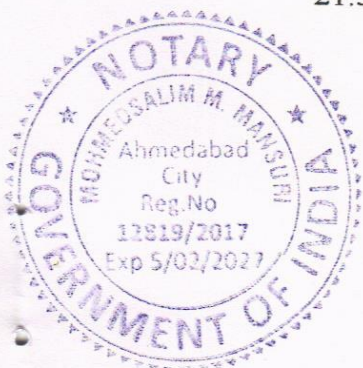
21.1. 106 MLD Old Pirana STP - For the long-term solution for this STP is, as submitted herein above, endeavours are being made to synergize the development work with the construction of a Tertiary Treatment Plant (TTP) along with the STPs, so that the treated water from these STPs can be used for industrial purposes.

21.2. 60 MLD Old Pirana STP - For the long-term solution for this STP is, as submitted herein above, endeavours are being made to synergize the development work with the construction of a Tertiary Treatment



Plant (TTP) along with the STPs, so that the treated water from these STPs can be used for industrial purposes.

- 21.3. 180 MLD New Pirana STP - The long-term solution is the upgradation of the plant and physical progress of the work is about 48%. Work of Preliminary treatment units and clarifiers has been completed. Installation of diffusers in aeration tank is underway. Work of overhauling of primary and secondary clarifier has been completed. Overhauling of thickeners is under progress.
- 21.4. 155 MLD New Pirana STP - Inasmuch as the 155 MLD New Pirana STP is concerned, the said STP is working optimally.
- 21.5. 60 MLD Kotarpur STP - The long-term solution is to optimize the capacity of this STP, AMC is working towards diversion of additional sewage from 2 other Sewage Pumping Stations (SPS'). The work of laying pipelines and its final connection has been completed on 05.02.2025. This has resulted in an increase of 15-17 MLD inflow in the plant.
- 21.6. 25 MLD Shankarbhuvan STP - Inasmuch as the 25 MLD Shankarbhuvan STP is concerned, the STP is presently functioning optimally.
- 21.7. 126 MLD Vasna STP - As a long-term solution the work of 375 MLD STP is progressing as per the schedule.
- 21.8. 35 MLD Vasna STP - Both short-term measures have been completed successfully. Inasmuch as the long-term measures are concerned, the work of the 375 MLD Vasna STP is on schedule.
- 21.9. 240 MLD Vasna STP - The long-term solution of upgradation of plant is progressing as per schedule. The physical progress of the work is 15%. Cleaning and overhauling of two streams have been completed. Repairing and sludge cleaning of aeration tank is under progress. Repairing of admin building and laboratory is under progress. The work is expected to be completed by 15.03.2026.



- 21.10. 48 MLD Vasna STP - Inasmuch as the 48 MLD Vasna STP is concerned, the STP has been performing optimally.
- 21.11. 60 MLD Jalvihar STP - Inasmuch as the 60 MLD Jalvihar STP is concerned, the STP has been performing optimally.
- 21.12. 70 MLD Vinzol STP - The long-term solution for this STP i.e. upgradation of the plant, is progressing as per schedule. The physic progress of the work is 15%. The work of grit mechanism installation has been completed and screen installation is under progress. Aeration tank cleaning is under progress. Mechanical items has been started receiving at site. The work is expected to be completed by 15.03.2026.
- 21.13. 35 MLD Vinzol STP - Inasmuch as the 35 MLD Vinzol STP is concerned, the STP has been performing optimally.
- 21.14. 100 MLD Vinzol STP - Inasmuch as the 100 MLD Vinzol STP is concerned, the STP has been performing optimally.
- 21.15. 30 MLD Maleksaban STP - Inasmuch as the 30 MLD Maleksaban STP is concerned, the STP has been performing optimally.
- 21.16. 5 MLD Lambha STP - As a part of long-term solution, the work of diversion of additional flow to Lambha Sewage Pumping Station (SPS) was started and excess flow has been diverted successfully. The plant is now receiving flow as per the capacity and working optimally.

22. I respectfully assure this Hon'ble Court that AMC is working towards resolving the issues raised in the captioned PIL.

06 AUG 2025

Solemnly affirmed at Ahmedabad on this the 7th day of August, 2025.



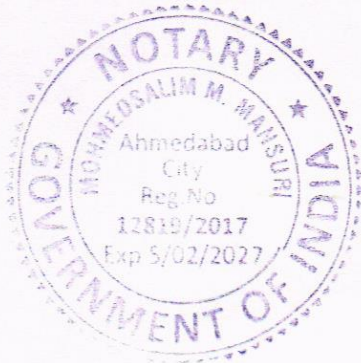


VERIFICATION

I, Banchhanidhi Pani, IAS, Municipal Commissioner, Ahmedabad Municipal Corporation ("AMC"), the Respondent No. 1 in the captioned Petition, having office at Sardar Patel Bhavan, Danapith, Ahmedabad – 380 001 (Gujarat), do hereby state and declare on solemn affirmation that what is stated in the foregoing paragraphs is based on documents and information available from the records; and I believe the same to be true and correct.

06 AUG 2025

Solemnly affirmed at Ahmedabad on this the 7th day of August, 2025.



06 AUG 2025

SABARMATI CLEANING DRIVE PHOTOS











Addl. City Engineer Shri W/Cs;
NRCP, AMC

Central Lab
Inward No- 398/17
Date:25/07/2025

This is in reference to NRCP Department, Outward no. 699, dated 24/02/2025. Please find below the analysis results of the "Bioremediation Samples" collected by the Central Laboratory on dated 22/07/2025.

Sample Analysis Result

Sr. No	Place of Sample taken	RAW Sewage						Treated Sewage							
		pH	COD	BOD	TSS	TN	TP	FC	pH	COD	BOD	TSS	TN	TP	FC
1	Circular (Ashram side)	7.3	208	84	102	10.1	2.5	2.4 X10 ⁷	7.3	77.8	29.7	37.2	3.23	0.8	3.6X10 ⁴
2	Natural Drain (Nala), opp. Vimal Texoprints, Pipalai	7.7	296	110	104	18	1.5	2.1X10 ⁷	7.8	98.6	41.8	37.4	6.10	0.5	2.4 X10 ⁵
3	Domestic Outfall, Nr. Vasna barrage, Danilimda Side	7.2	216	90	218	18.9	3	2.3X10 ⁷	7.4	79.3	28.8	82.8	7.26	1.1	2.3 X10 ⁵
4	Vasna TSTP Bypass	7.2	244.8	93	132	10.6	5	2.7X10 ⁷	7.4	68.5	23.3	30.4	2.77	1.2	2.7 X10 ⁴
5	Vasna AUDA SPS Bypass	7.2	236.6	80	94	9.52	5	2.4X10 ⁷	7.3	66.3	19.5	28.2	2.76	1.4	9.6 X10 ⁴
6	Interceptor Outlet West Bank	7.4	114.2	54	64	8.76	5	2.3 X10 ⁷	7.3	37.7	20.3	23	3.42	1.7	4.6 X10 ⁵
7	Outfall at New Fatehwadi, Chaloda, Juhapura	7.5	163.2	55	102	8.4	5	3.3X10 ⁷	8.2	49.3	19.3	31.7	2.69	2	9.3 X10 ⁴
8	Rectangular (Ash Pond Torrent)	7.1	104	45	46	16.8	2	2.4X10 ⁷	7.3	21.8	9.77	9.66	5.38	0.6	9.6 X10 ⁴
9	182 MID (Pirana TSPS) New	7.3	312	120	154	22.5	2.5	2.1X10 ⁷	7.5	74.3	26.9	33.9	4.71	0.7	1.2 X10 ⁵
10	Vinzol TSPS Bypass	7	464	140	442	20.9	3	2.3X10 ⁷	7.2	97.9	30.1	101	5.84	0.7	7.3X10 ⁴
11	Vinzol STP Bypass	7.1	304	140	322	20.4	2.5	2.4X10 ⁷	7.1	69.3	32.7	72.8	5.70	0.7	2.4 X10 ⁵

All Parameters except FC are expressed in mg/L.

Scientist In-Charge, Central Laboratory



Note:

1. The Central Laboratory, AMC, has collected the samples.
2. The result contained in this report relate only to the sample material tested.
For kind information and NA, please Sir.

cc: For information, Please Sir.
Resp. CE Shri (WRM)

Addl. City Engineer Shri W/Cs;
NRCP, AMC

Central Lab
Inward No- 398/16
Date: 25/07/2025

This is in reference to NRCP Department, Outward no. 699, dated 24/02/2025. Please find below the analysis results of the "Bioremediation Samples" collected by the Central Laboratory on dated 15/07/2025.

Sample Analysis Result

Sr. No	Place of Sample taken	RAW Sewage							Treated Sewage						
		pH	COD	BOD	TSS	TN	TP	FC	pH	COD	BOD	TSS	TN	TP	FC
1	Circular (Ashram side)	7.4	188.16	103	134	9.64	3	2.3 X10 ⁷	7.16	65.9	32.96	42.88	4.05	1.23	3.6 X10 ⁴
2	Natural Drain (Nala), opp. Vimal Texoprints, Pipalaj	7.3	212.54	70	74	19.04	4	2.4X10 ⁷	6.87	68.0	23.1	25.16	6.09	0.96	2.3 X10 ⁵
3	Domestic Outfall, Nr. Vasna barrage, Dantimda Side	8	244.8	68	70	17.92	5	2.1X10 ⁷	7.19	77.6	23.26	22.4	6.27	1.55	1.2 X10 ⁵
4	Vasna STP Bypass	7.3	310.48	95	138	20.16	3.5	2.4X10 ⁷	7.25	90.0	26.6	30.36	4.23	0.91	2.1 X10 ⁴
5	Vasna AUDA SPS Bypass	6.9	212.54	70	72	14.56	3	2.7X10 ⁷	7.22	48.5	19.6	18	3.79	0.84	9.6 X10 ⁴
6	Interceptor Outlet West Bank	7.1	181.05	80	78	14	2.5	2.1 X10 ⁷	9	41.6	26.4	25.74	4.62	0.85	3.6 X10 ⁵
7	Outfall at New Fatehwadi, Chaloda, Juhapura	7.4	130.56	48	122	22.4	3	3.3X10 ⁷	7.4	36.6	12	36.6	4.93	1.02	9.6 X10 ⁴
8	Rectangular (Ash Pond Torrent)	7.1	101.92	63	84	14.34	4.5	2.7X10 ⁷	7.26	22.5	11.97	19.4	3.33	1.04	9.3X10 ⁴
9	182 MLD (Pirana TSPS) New	7.1	228.28	90	92	19.04	4	2.4X10 ⁷	7.1	42.9	19.8	18.58	3.43	0.72	1.5 X10 ⁵
10	Vinzol TSPS Bypass	6.7	493.92	265	180	15	5	2.1X10 ⁷	6.34	98.8	55.65	36.36	3.32	1.14	7.3X10 ⁴
11	Vinzol STP Bypass	6.6	478.84	255	176	14.28	4.5	2.3X10 ⁷	6.41	94.8	56.87	19.36	3.14	1.13	2.1 X10 ⁵

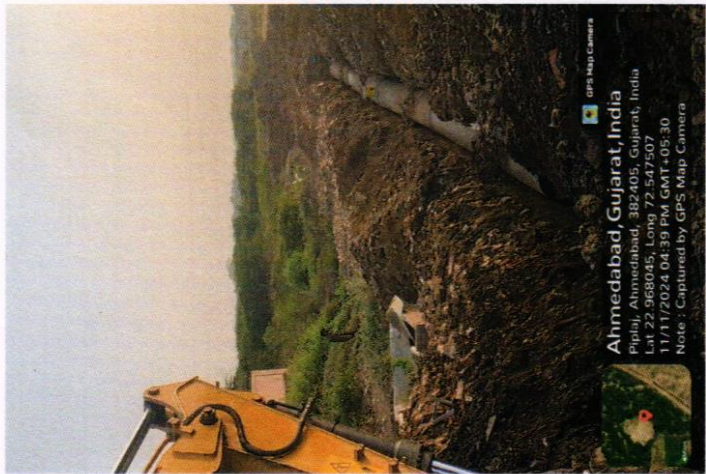
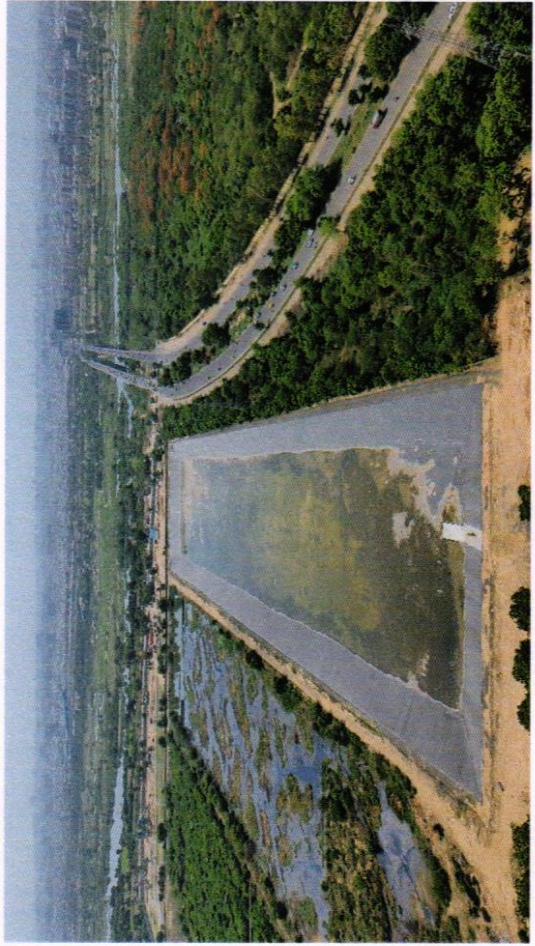
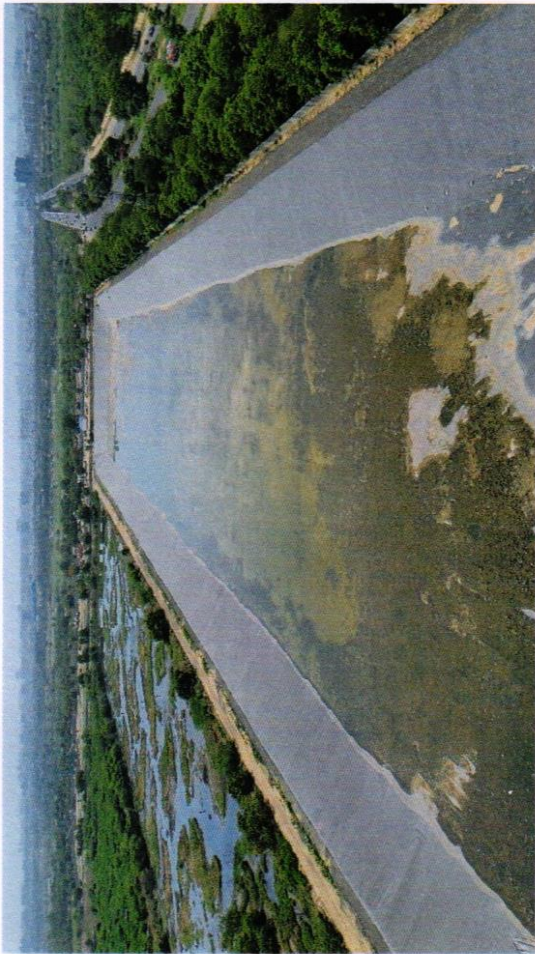
All Parameters except FC are expressed in mg/L.

Scientist In-Charge, Central Laboratory

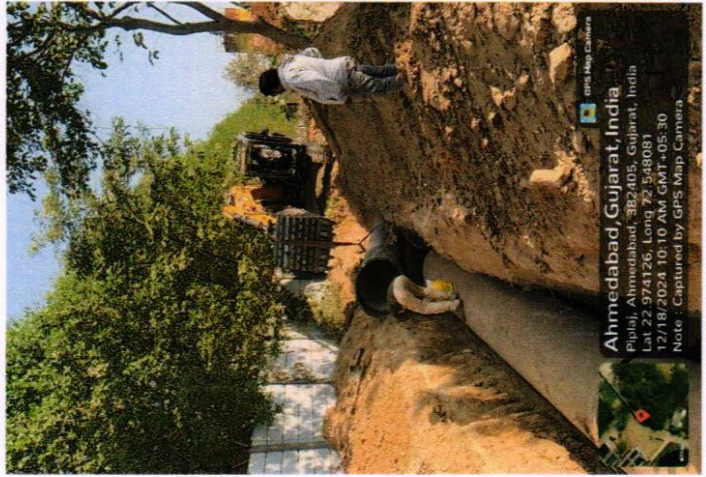
- Note:
1. The Central Laboratory, AMC, has collected the samples.
 2. The result contained in this report relate only to the sample material tested.
- For kind information and NA, please Sir.

cc: For information, Please Sir.
Resp. CE Shri (WRM)

Vasna, Pirana and Vinzol lagoon work photos



Ahmedabad, Gujarat, India
Piplaj, Ahmedabad, 382405, Gujarat, India
Lat 22.5688945, Long 72.5475007
11/11/2024 04:39 PM GMT+05:30
Note : Captured by GPS Map Camera



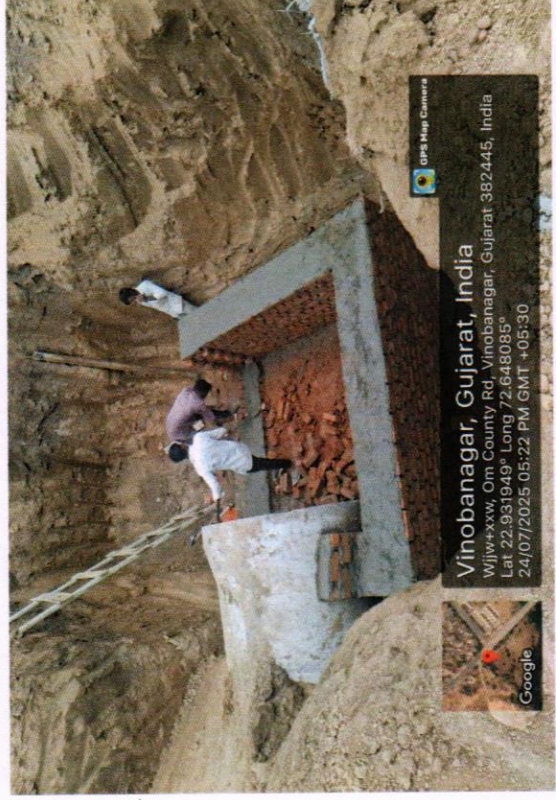
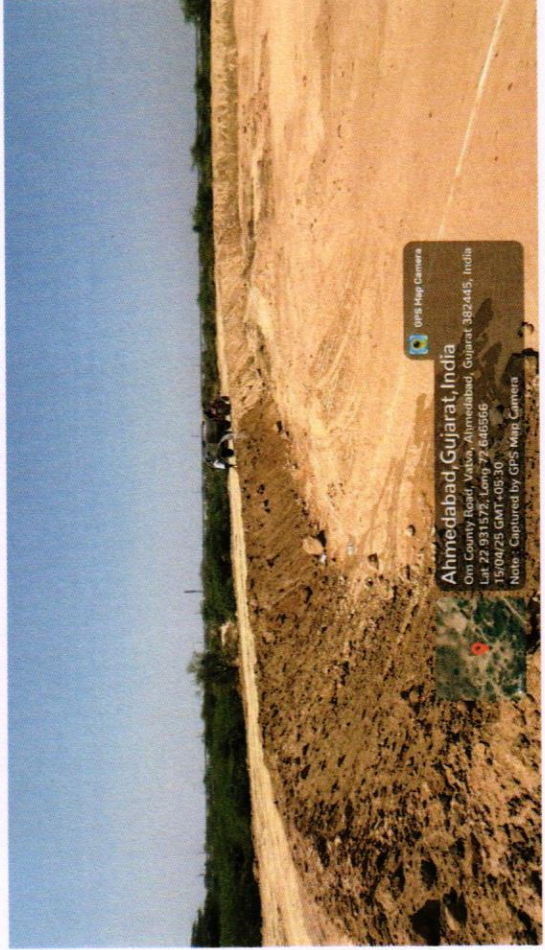
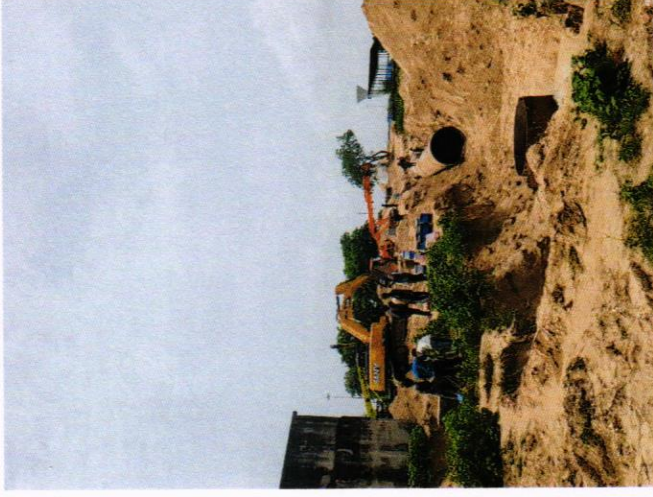
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Lat 22.9241236, Long 72.548081
12/18/2024 10:10 AM GMT+05:30
Note : Captured by GPS Map Camera

4608



VASNA LAGOON WORK





VINZOL LAGOON WORK

PROGRESS REPORT FOR THE ON-GOING WORKS



Reporting Period: JULY- 2025

Ahmedabad Municipal Corporation

The City Engineer, WRM
Sardar Patel Bhavan, Danapith, Ahmedabad – 380 001

**ONGOING WORKS UNDER GRCP PROJECT
(B)**

Name of Works:	Design, Build and Operation (DBO) of new 424 MLD sewage treatment plant and terminal sewage pump station & including successful trial run and commissioning at Pirana, Ahmedabad, along with all mechanical, electrical, instrumentation, supervisory control and data acquisition (SCADA) equipment & accessories and including miscellaneous works etc.
Name of Employer:	Ahmadabad Municipal Corporation, Ahmedabad
Name of Contractor	Larsen &Toubro construction
Total Contract Value:	INR 585.69Crs +INR 13.55 Crs PS
Cost of Design & Build Value:	INR 450.89 Crs
O&M Cost for 10 Years:	INR 134.79 Crs
Date of LOA	19 NOVEMBER 2024
Date of Contract Agreement	24 DECEMBER 2024
Date of commence of work:	26 DECEMBER 2024
Date of Completion	25 DECEMBER 2028
Contract Period	4 Years
O & M Period	10 Years

PHYSICAL WORK PROGRESS DURING THE MONTH

- **Drawing Design Status:**

Sr. No.	Scope	Up to Date Status
1	Boundary Wall	Approved
2	BEP	Approved CAT-B
3	QAP	QAP has been approved by PMC and is currently Pending With AMC for approval.
4		
5		

- **Physical Progress Status: (For 424 MLD)**

Sr. No.	Description	Present Progress	Remarks
1.	Boundary wall		
a.	Earthwork Excavation	1897 M ³	Work in progress
a.	PCC Work	29.55 M ³	Work in progress
b.	RCC Footings	117 Nos	Work in progress
c.	RCC Column pedestals	122 Nos	Work in progress
e.	RCC Plinth Beam	263 RM	Work in progress
f.	Column	07 Nos	Work in progress
2	SBR Basin		
a.	Excavation Work	345 m ³	Work in progress

- **Financial Status:**

RA BILL SUMMARY				
Sr. No.	RA Bill No.	Submitted Date	Gross Amount	Status
1	RA-1 Mobilization advance 1 st Installment	22/01/2025	22,54,47,581	Paid

ANNEXURE – 1

- **Machineries Available at Site:**

Machinery Details					
Sr. No.	Description	Qty	Sr. No.	Description	Qty
1	Pick & Carry Crane - 15 T	1	06	Diesel Generator - 40 KVA	1
2	Backhoe Loader	1	07	Pick up Van	1
3	Diesel Generator - 62.5 KVA	1	08	Batching Plant - Silos	1
4	Water Tanker 12 KL	1	09	Pick & Carry Crane - 15 T	1
5	Mini Truck 12 T	1	10	JCB - Backhoe Loader	1

- **Manpower Available at Site:**

Sr. No.	Description	Number	Sr. No.	Description	Number
1	Project Director (Contractor's Representative)	1	26	Planning Assistant	1
2	Sr. Construction Manager (Civil)	1	27	IR & TO Assistant	1
3	Construction Manager (Civil)	1	28	Electrician	1
4	Manager (Mech)	1	29	Safety Supervisor	1
5	Construction Manager (Mech)	1	30	Carpenter	11
6	Asst. Construction Manager (Civil)	1	31	Fitter	1
7	Asst. Manager (Cost Management)	1	32	Mason	13
8	Executive - IR	1	33	Welder	5
9	Asst. Manager (Stores)	1	34	Driver	3
10	Asst. Manager (Mech) - P&M	1	35	Operator	2
11	Asst. Manager (Civil) - EHS	1	36	Pantry Boy	1
12	Sr. Supervisor (Formwork)	1	37	Store Helper	1
13	Sr. Engineer (Civil) - Survey	1	38	QAQC Helper	1
14	Engineer (Civil)	1	39	Electrician Helper	1
15	Engineer (Civil)	1	40	Cook	3
16	Sr. Engineer (Civil) - QAQC	1	41	Cook Helper	1
17	Sr. OCHS Manager	1	42	Scavenger	1
18	Social & Communication Expert	1	43	Cleaner	1
19	Design Manager	1	44	Semiskilled Workmen	7
20	Process Engineer	1	45	Unskilled Workmen	52
21	Hydraulic Engineer	1			
22	Mechanical Engineer	1			
23	Electrical Engineer	1			
24	Instrumentation Engineer	1			
25	Structural Engineer	1			

- **Details of Document:**

Sr. No.	Details of Document	Current Status
1	C-ESIA	Under review by WB
2	GAD	Under review by PMC
3	SEP	Not received from L&T
4	Detailed C-ESIA	Not received from L&T

WORK PROGRESS DURING MONTH – 1st JULY 2025 TO 31 JULY 2025

- 1) **BOUNDARY WALL:** 117 nos' footings & 7 no's columns, 122 no's columns pedestals, of boundary wall completed out of total 634 no's footings, Plinth beam 263 Rmt, completed. Total RCC QTY 109.27 CUM. Reinforcement & Shuttering work for footings and columns & plinth beam in progress.
- 2) **SBR:** Excavation work in progress.
- 3) **RMC PLANT:** Installation completed.
- 4) **STORE:** Construction under progress.

SITE PHOTOGRAHS.



SBR EXCAVATION IN PROGRESS.



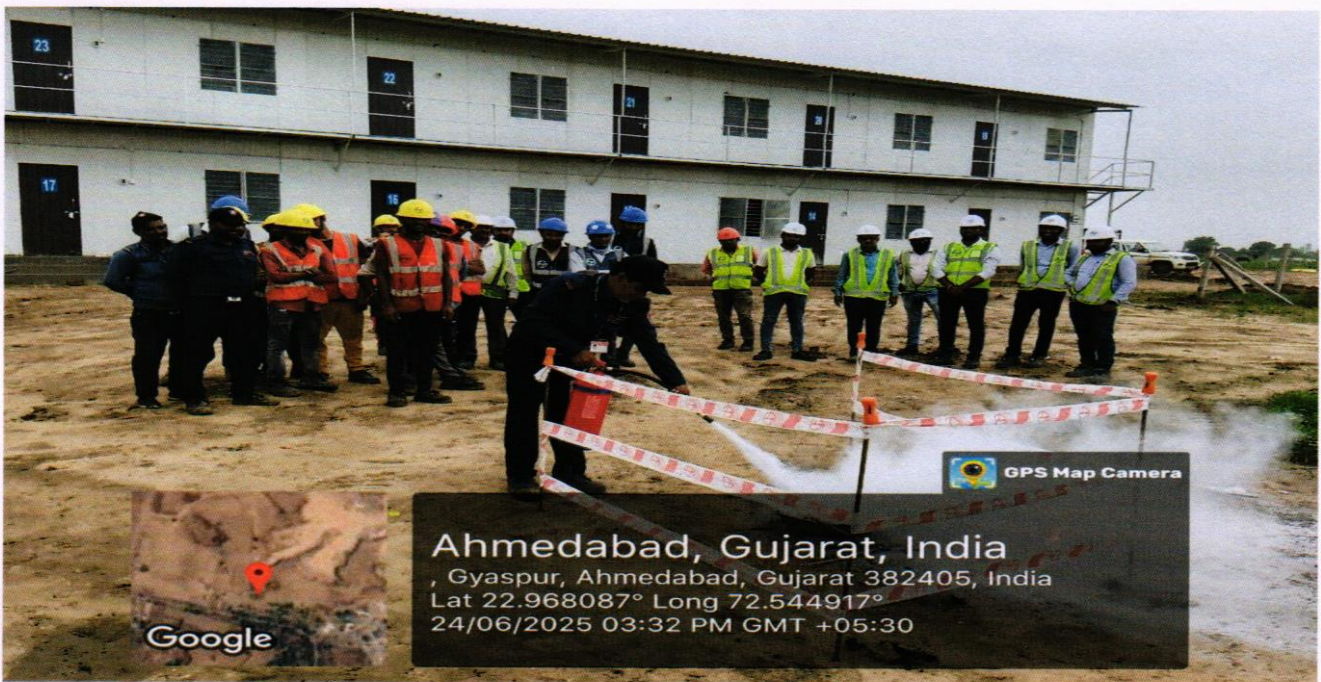
RMC PLANT.



BOUDARY WALL CONSTRUCTION.



PLANTATION AT 424 MLD STP SITE.



FIRE SAFETY TRAINING AT 424 MLD STP SITE.



ELECTROCUTION MOCK DRILL AT STP SITE



ELECTROCUTION MOCK DRILL AT STP SITE

PROGRESS REPORT FOR THE ON-GOING WORKS



Reporting Period: JULY - 2025

Ahmedabad Municipal Corporation

The Additional City Engineer, Drainage Project,
Sardar Patel Bhavan, Danapith, Ahmedabad – 380 001

ONGOING WORKS UNDER GRCP PROJECT

Name of Works:	Design, Build and Operation (DBOT) of new 375 MLD sewage treatment plant and upgradation of the allied infrastructure including three terminal sewage pump station/s with operation and maintenance for 10 years at Vasna for the city of Ahmedabad, Gujarat, India
Name of Employer:	Ahmadabad Municipal Corporation, Ahmedabad
Name of Contractor	JV of M/s Khilari Infrastructure Private Limited & Enviro Private Limited.
Total Contract Value:	Rs. 778,15,94,379/-
Cost of Design & Build Value:	Rs. 5150,550,000/-
O&M Cost for 10 Years :	Rs. 246,10,44379/-
Date of LOA	16-03-2024
Date of Contract Agreement	28-05-2024
Date of commence of work:	28-05-2024
Date of Completion	25-11-2028 (1642 days from commencement)
Contract Period	1642 days (4.5 years)
O & M Period	3650 days (10 years)
Time Lapsed	14 Month
Overall Physical Progress	29.31%
Overall Financial Progress	27.68%

• **Physical Progress Status:(For Phase-1 - 125 MLD)**

Sr. No.	Description	Present Progress	Remarks
1.	CCT Unit		
a.	PCC Work	100% completed	Completed
b.	RCC Work (Raft foundation)	100%	Completed
c.	RCC wall	95%	RCC of wall raft in progress.
2.	Chlorine Tonner Room		
a	PCC Work	100% completed	Completed
b.	RCC work (Foundation)	100% completed	Completed
c.	RCC column	100% completed	Completed
d.	Roof Slab	100% completed	Completed
e.	Flooring	100% completed	Completed
f.	Finishing work	50% completed	Completed
3.	SBR UNIT		
a.	Excavation	100% completed	Completed
b.	PCC Work	100% Completed	Completed
c.	RCC (Raft Foundation)	100% Completed	Completed
d.	Basin Raft (1 to 6)	100% completed	Completed
e.	SBR wall upto 1.5 mtr above GL	95% completed	Work in progress
f.	SBR wall 1.5 mtr to 2.50 mtr	95% Completed	Work In Progress
g.	SBR Wall 2.5 to 4.0,Mtr	90% completed	Work in Progress
h.	SBR Wall Above 4.0 Mtr	75% Completed	Work In Progress
i	Walk-Way	70% completed	Work in progress
4.	Air Blower		
a.	Excavation	100% completed	Completed

b.	RCC column footing work (Raft Foundation)	100% completed	Completed
c.	RCC Column & Beam up to AGL	100% completed	Completed
d.	RCC Grade slab & Column	100% completed	Completed
e.	RCC top Slab	100% Completed	Completed
f.	Plastering & finishing	95% Completed	Work in progress
5.	Primary Treatment Unit (PTU)		
a.	Excavation	100% completed	Completed
b.	PCC Work	100% Completed	Completed
c.	RCC work (Foundation)	100% Completed	Completed
d.	Column & Beams	100% Completed	Completed
e.	PTU Wall above 2.5 to 4.0 Mtr	95% Completed	Work in Progress
e.	Distribution Box	70% Completed	Work in Progress
f.	PTU to SBR Connecting channel	50% Completed	Work in Progress
g.	Walkway	30% completed	Work in progress
6.	Sludge Handling Unit		
a.	Excavation	100% completed	Completed
b.	PCC work	100% completed	Completed
c.	Raft column up to G.L and Ground beam	100% completed	Completed
d.	SHU Raft Slab	100% completed	Completed
e.	Plinth Beam	100% completed	Completed

f	Tank Wall	100% completed	Completed
g.	Slab above 4.0 Mtr	100% Completed	Completed
h.	Brick work & Plastering	70% Completed	Work in Progress
7.	Admin Building		
a.	Excavation	100% completed	Completed
b.	PCC work	100% completed	Completed
c.	RCC WORK of column Foundation & Beam	100% completed	Completed
d.	Column up to ground floor slab	100% completed	completed
e	Admin ground floor top slab	100% completed	Completed
f	Column above Ground floor slab	100% completed	Completed
g	First floor slab	100% completed	Completed
h.	Block Work & Plastering	100% completed	Completed
i	Flooring & finishing work	80% Completed	Work in Progress
j	Glass fixing work	40% completed	Work in progress
8.	Workshop Building		
a.	Excavation & PCC	100% completed	Completed
b.	Column Footing	100% completed	Completed
c	Column	100% completed	Completed
d.	Top Slab	100% completed	Completed

e.	Brick work & plastering	100% Completed	Completed
f.	Flooring work	100% completed	Completed
g.	Painting & finishing work	50% completed	Work in progress
9.	Security Cabin		
a.	Excavation & PCC	100% completed	Completed
b.	Column Footing	100% completed	Completed
c.	Column	100% completed	Completed
d.	Grade Slab	100% completed	Completed
e.	Brick Work and Plastering	100% completed	Completed

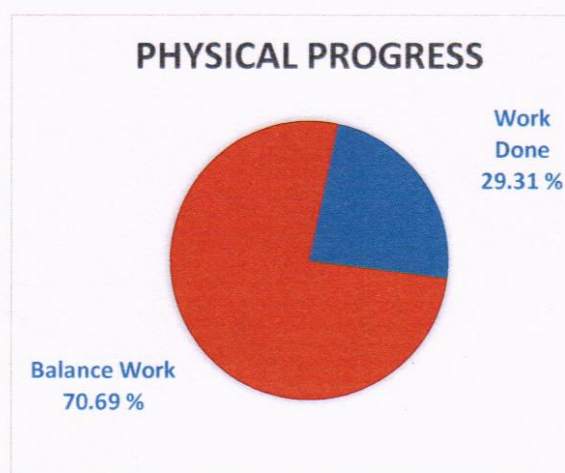
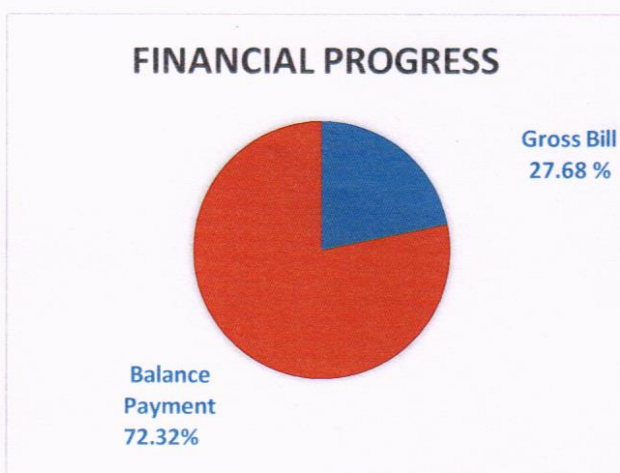
Machineries available at site:

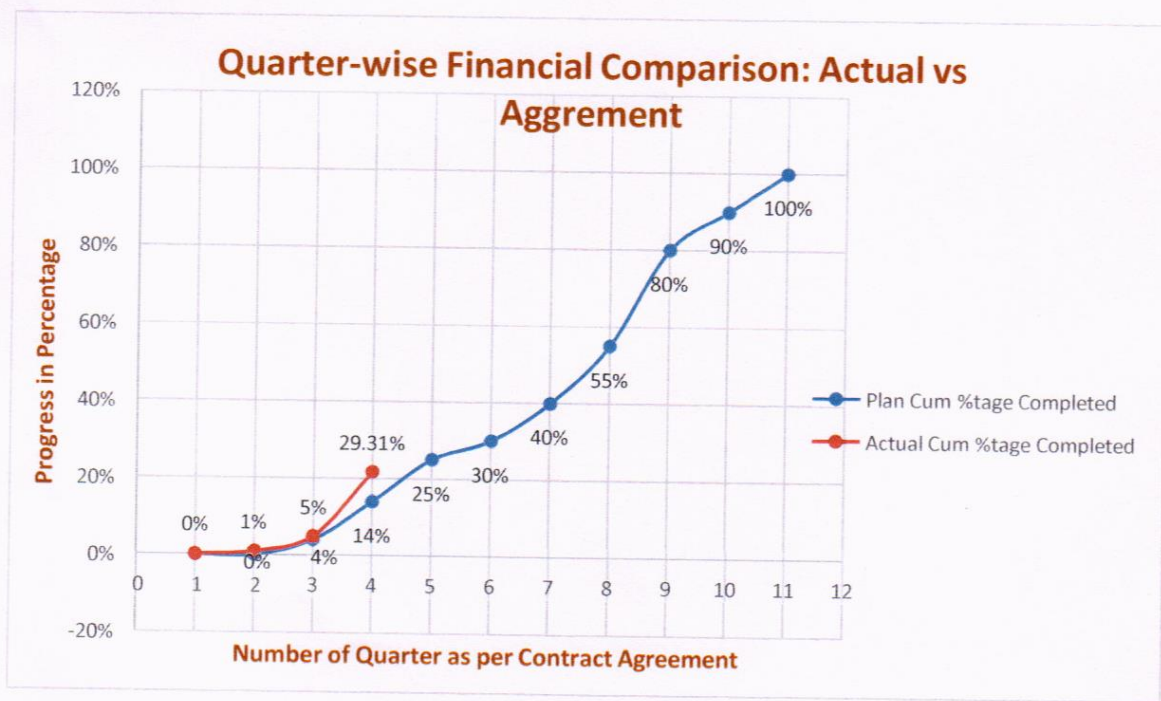
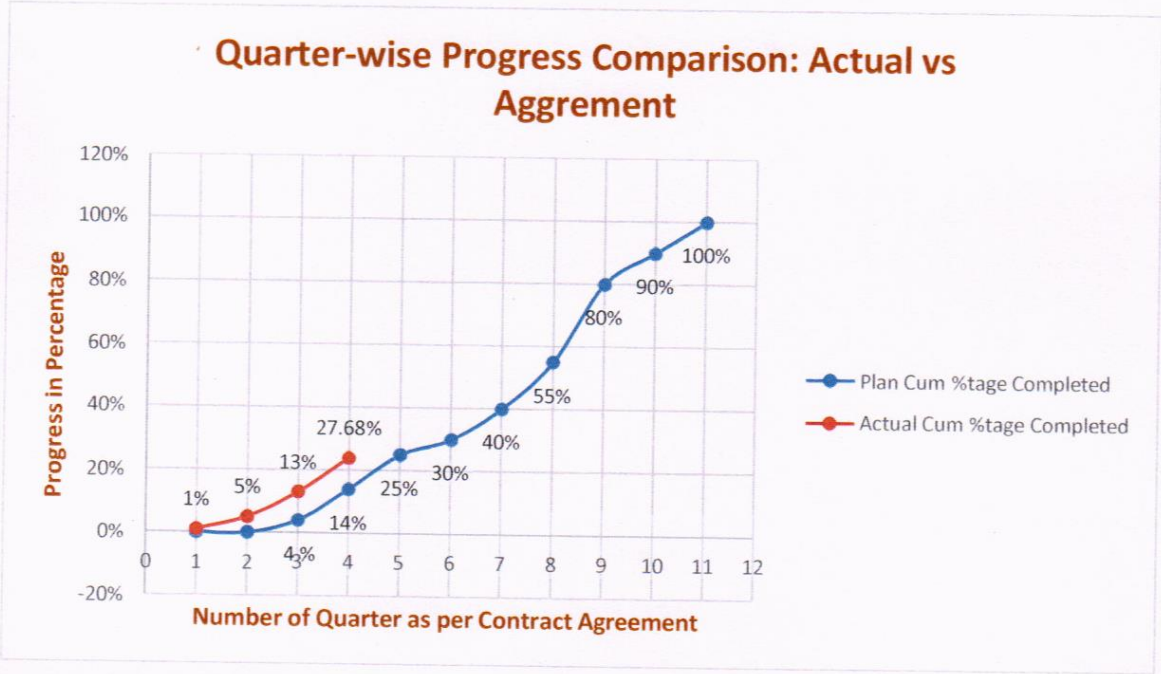
Sr. No.	Machinery details		
1	Excavator – 3 Nos	12	Breaker– 1 Nos
2	Tractor – 1 Nos	13	Total Station
3	JCB – 2 Nos	14	Tipper – 4 Nos
4	Compactor – 1 Nos	15.	Boom Placer -- 02
5	Dewatering Pump – 1 Nos	16.	Transit mixture-06
6	Ply Cutter – 1 Nos	17.	Needle Vibrator- 06
7	Mini Roller – 1 Nos	18.	Steel Cutter & Bending Machine -02
8	Curing Pump – 1 Nos		
9	Drill Machine – 1 Nos		
10	Hand Grinder– 1 Nos		
11	Power Gen– 1 Nos		

- **Manpower Available at site**

Sr. no	Description	Number	Sr No	Description	Number
1.	Senior Project Manager	1 Nos	16	Masons	20 Nos
2.	Project Manager	-	17	Male Helper	51 Nos
3.	Planning Manager(P&B)	1 Nos	18	Female Helper	31 Nos
4.	Assistant Manager(P&B)	1 Nos	19	Carpenter	45 Nos
5.	Estimation Engineer	1 Nos	20	Helper	40 Nos
6.	Accountant		21.	Fitter	1 Nos
7.	In charge Elec & Mech	2 Nos	22.	Welder	1 Nos
8.	Sr Engineer	2 Nos	23.	Mechanical helper	6 Nos
9.	Engineer	1 Nos	24.	Driver	4 Nos
10.	Civil Supervisor	3 Nos	25.	Operator	4 Nos
11.	Store	4 Nos	26.	EHS Manager	1 Nos
12.	Surveyor	2 Nos			
13.	Surveyor	1 Nos			
14.	Safety Engineer	1 Nos			
15.	Environmental Engineer	1 Nos		Total	225 Nos

- **AR Policy details:** Policy No: 5004/349492331/00/000 Up to date: 27/11/2028
- **WC Policy details:** Policy No: 4010/349570638/00/000 Up to date 27-11-2028





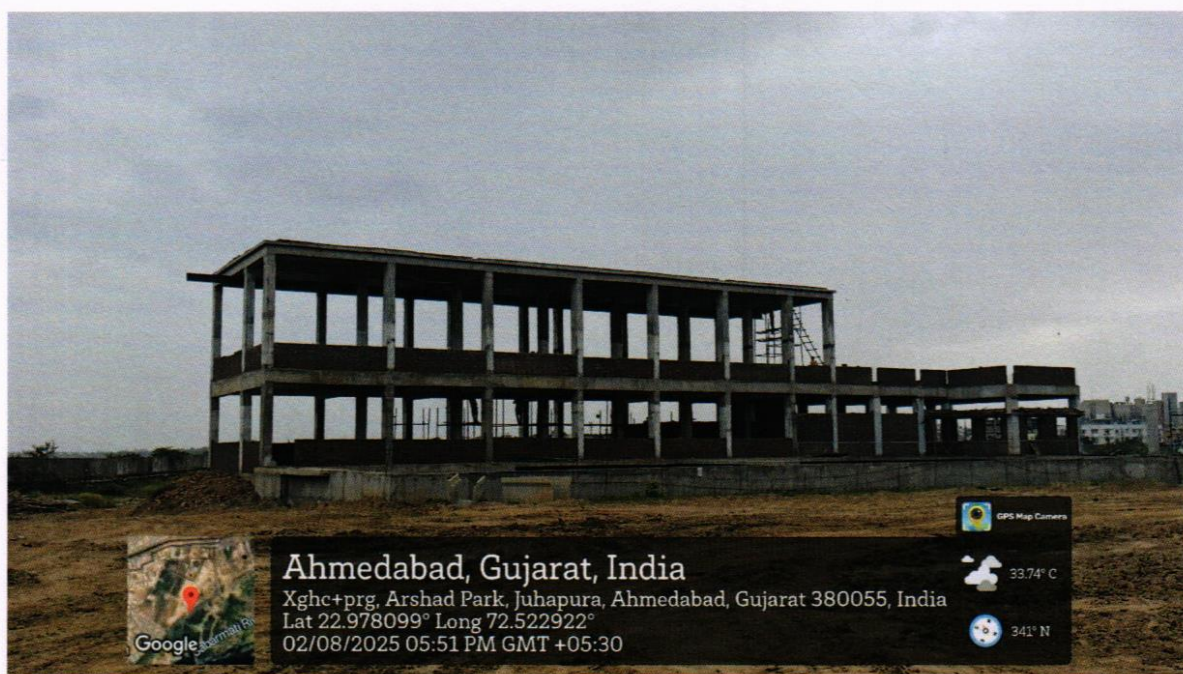
WORK PROGRESS DURING MONTH – 1st July 2025 TO 31st July 2025**Physical Work / Engineering Work**

- The SBR Phase 1 (125 MLD), CCT with Tonner Room , SBR, Air Blower Substation Building (125 MLD), CCT (375 MLD), Decanter, and Diffuser, Admin Building, SHU unit & PTU, Work Shop Building have been approved by all relevant stakeholders, including the PMC Consultant GKW, the design consultant Haskoning DHV Consulting Pvt. Ltd. in consortium with TTI Consulting Engineers (India) Pvt. Ltd., and IIT Roorkee.
- The CCT (375 MLD) construction up to the final wall top level has been successfully 90 % completed. Work in Progress.
- The PTU - 375 MLD drawing has been approved and the footing has been completed and Column and beams above 4.0 mtr completed. Distribution box above 4.0 mtr slab completed, connecting channel 20 mtr completed remaining work in progress, PTU above 4.0 Work in progress.
- The Admin Building RCC work is 100% completed Block work and finishing work in progress. electrification work in progress and glass fixing work started.
- The Sludge Handling Unit For 375 MLD, Footing & column up to ground level completed. Raft 100% completed, Slab work completed. Brick work started. Sludge tank hydro test completed.
- The wall footing casting for SBR Phase 1 (Basin 1 to 6) of the 125 MLD project has been completed SBR Basin -Raft 1 to 06 100% completed SBR wall up to 1.50 mtr 95% completed and up to 2.5 mtr 80% completed 2.4 to 4.0 mtr 50% completed, remaining wall reinforcement work in progress. 320 mtr wall upto 4.0 mtr completed.
- The Air blower building civil work 95% completed, finishing work in progress. Air Blower installation work in progress.
- The work shop building Top slab completed, brickwork and plastering work in progress.
- Inspection has been done of 2000 mm M.S pipeline and procurement in progress. 1700 mtr pipes have been received at site and 211 mtr pipe laid at site.

Permissions

- The permission for laying of the rising main line using 2000mm diameter M.S pipes received from Irrigation Department on dated 25-07-2025.

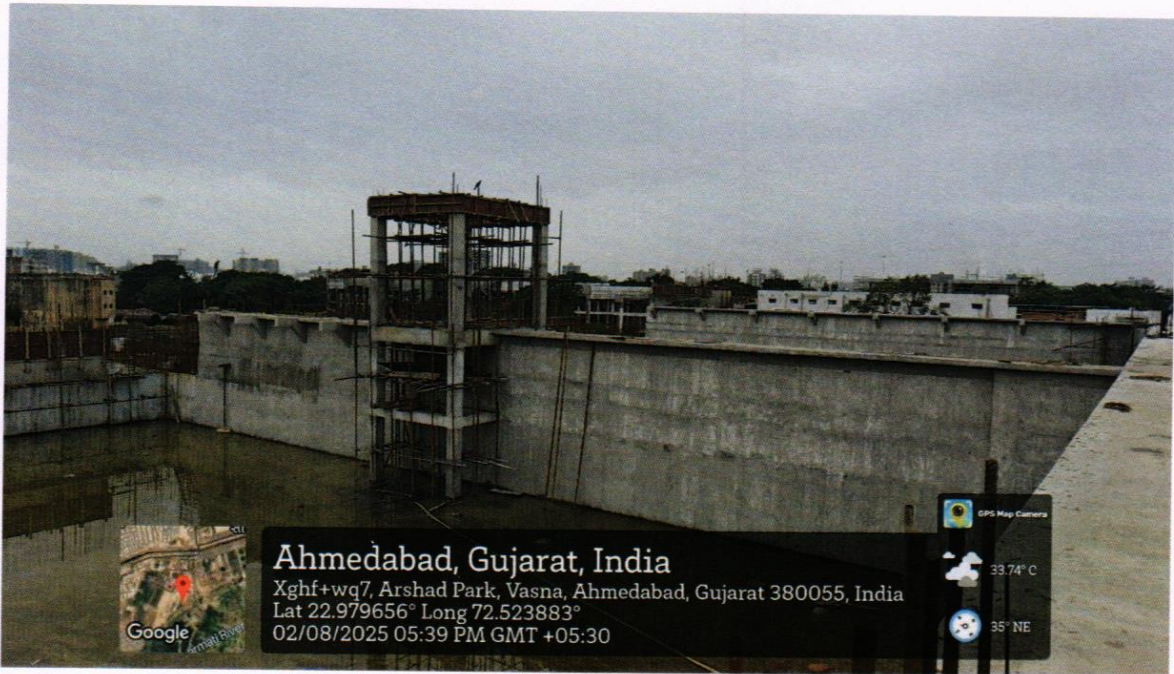
SITE PHOTOGRAPH



SLUDGE HANDLING UNIT



SLUDGE STORAGE PLATFORM



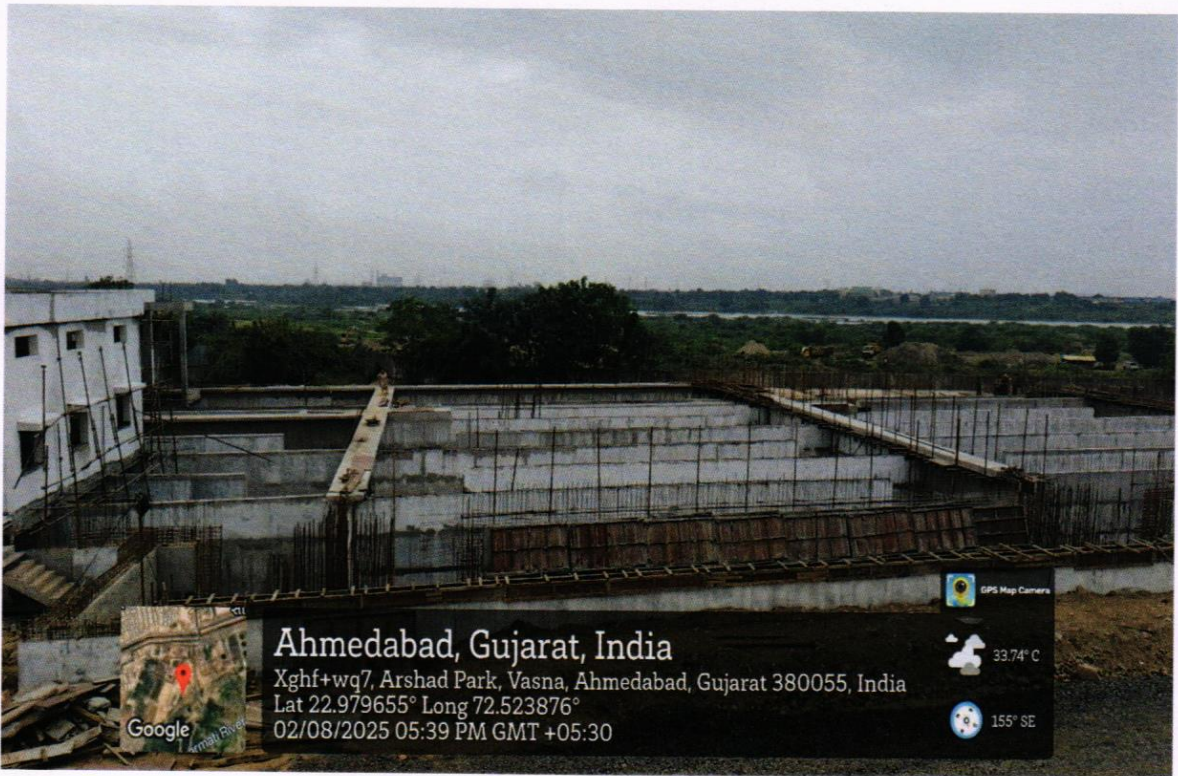
SBR UNIT 1 TO 6



ADMIN BUILDING



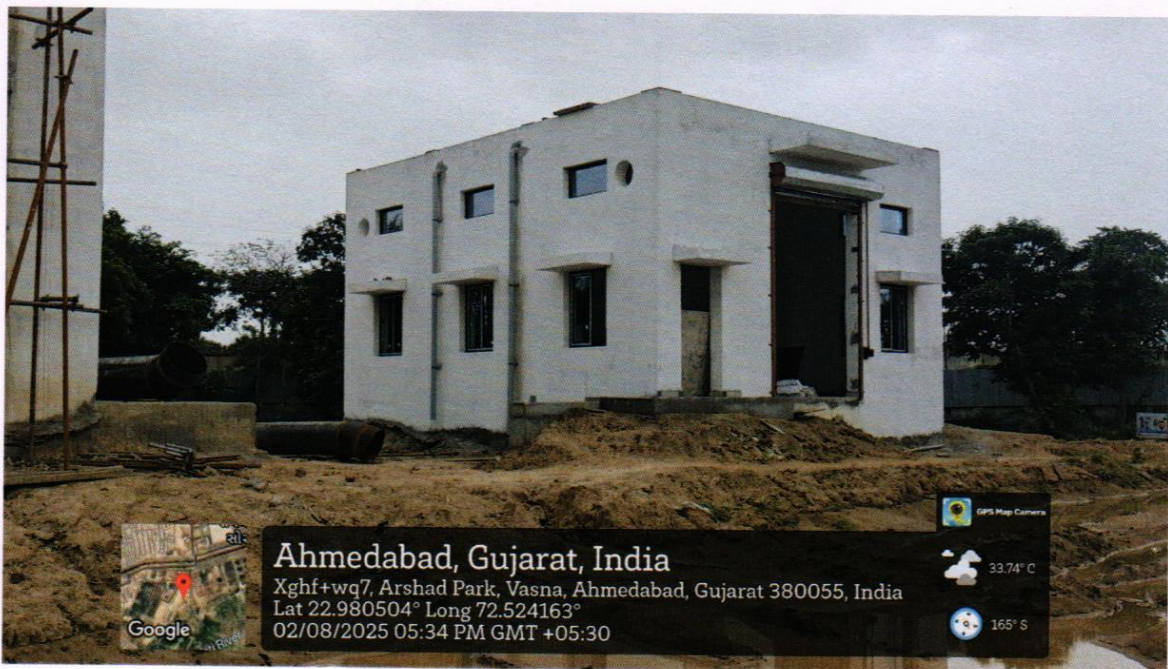
SECURITY CABIN



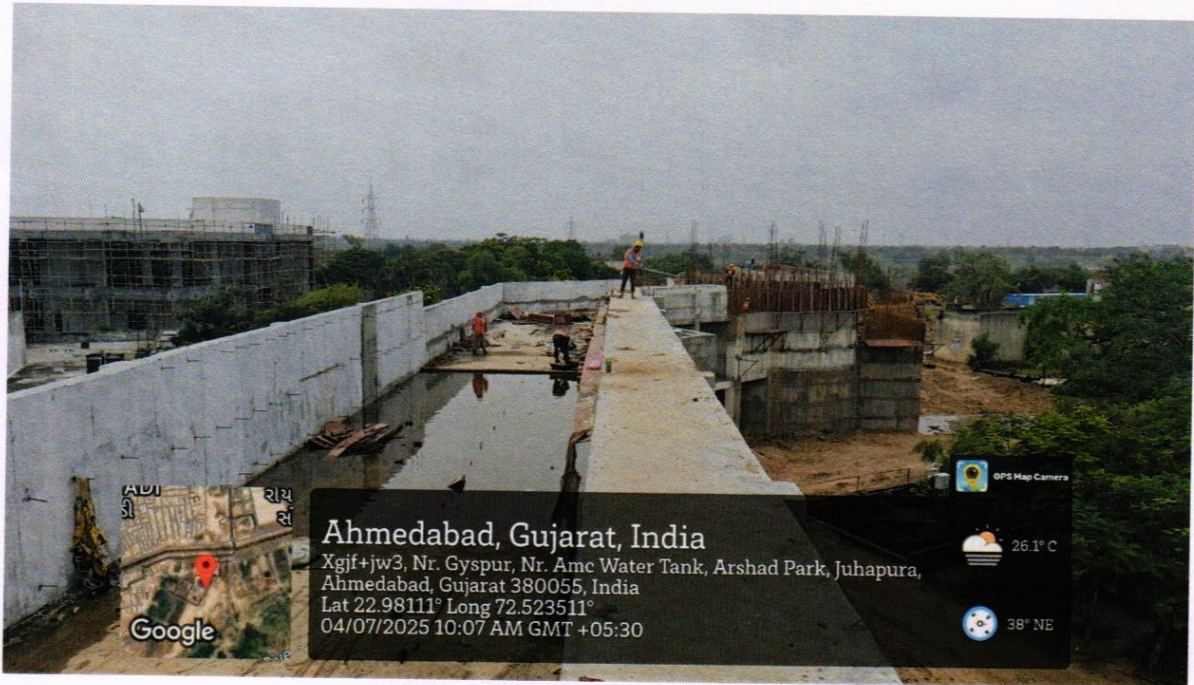
CCT UNIT



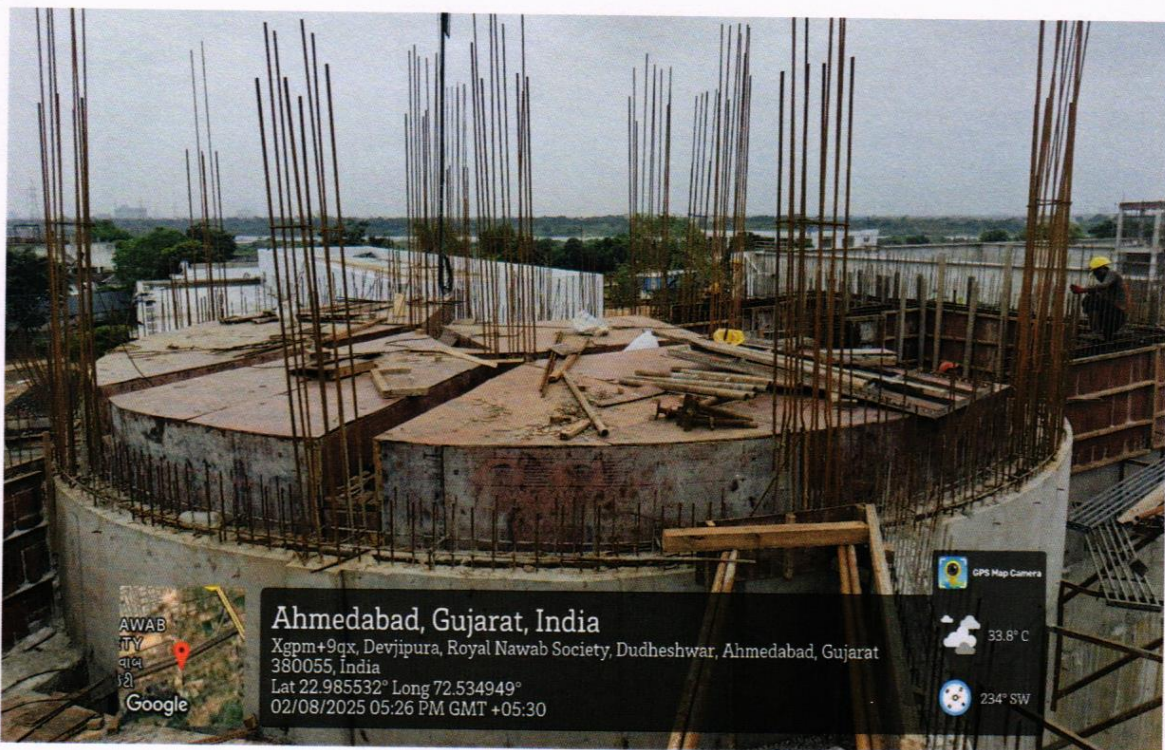
TONNER ROOM



WORKSHOP BUILDING



PTU SCREEN CHANNEL



PTU DISTRIBUTION BOX UNIT

4632



PTU TOP Channel



Metering Room

MONTHLY PROGRESS REPORT OF MONTH JULY - 2025

FOR THE WORK

“Upgradation and Enhancement of existing 180 MLD ASP type Sewage Treatment Plant at Pirana to Enhance 200 MLD flow and achieve sewage parameters as per NGT norms with digester retrofication with 05 years operation and Comprehensive maintenance.”

Month-July-2025

CLIENT



REPORTING TO

THE ADDITIONAL CHIEF ENGINEER

(STP PROJECT),

AHMEDABAD MUNICIPAL CORPORATION,

STP PROJECT, SARDAR PATEL BHAVAN,

DANAPITH, AHMEDABAD – 380 001

SUBMITTED BY:

Towards GREEN Engineering Solutions...



green

design & engineering services pvt. ltd.

1. PROJECT INTRODUCTION

Name of Project	Upgradation and Enhancement of existing 180 MLD ASP type Sewage Treatment Plant at Pirana to Enhance 200 MLD flow and achieve sewage parameters as per NGT norms with digester retrofication with 05 years operation and Comprehensive maintenance.
Name of Client	Ahmadabad Municipal Corporation, Ahmadabad
Name of Contractor	DNP INFRASCTURE PVT LTD.
Estimated Tender Cost	84,44,97,322.00
Sanctioned Cost	1,05,73,00,000.00 (25.19% Above)
SITC Cost with 1.5 year O & M cost Excl. Discount @ 3%	79,24,90,000.00
Date of Starting	30-09-2024
Stipulated Date of Completion	30-03-2026 (18 Months Incl. Monsoon Period & Trial Run)
Actual Progress	49.36 %

2. CHECK-LIST FOR THE PROJECT

<u>Sr. No</u>	<u>Work Description</u>	<u>Status</u>	<u>Action Taken By</u>
1	Mobilization of Manpower, Equipment & Site Office Establishment	Work Completed	Agency
2	Site Clearing Work as Up gradation part.	Work Completed	Agency
3	Tree Cutting & Replantation for Clearing of Proposed Plot Area	Work Completed	Agency
4	Soil Investigation Work	Work Completed	Agency
5	Existing Structure & Road Survey Work	Work Completed	Agency
6	Bar Chart & Organization Chart	Submitted	Agency
7	Quality Assurance Plan (QAP)	Submitted	Agency
8	Insurance Policy & Labor License	Submitted	Agency
9	STP Layout & Unit Size Calculation	Approved	Agency
10	Hydraulic Flow Diagram & Hydraulic Design Calculation	Approved	Agency
11	GAD & Structure Design for Individual Retaining Structure.	Approved	Agency
12	GAD & New Structure Design as up gradation of 200 MLD.	Submitted	Agency
13	Required MS Pipe, DI Pipe, HDPE Pipe, etc...(As per Site Requirement)	Work In Progress	Agency
14	Details of Electrical, Mechanical and Instruments Equipment and Load list for power demand.	Submitted	Agency
15	Details for Administrative Office/ Building, Security Cabin and Boundary wall with Gate.	Approved	Agency
16	Details for Roads, Pathways and Street Lighting.	Approved	Agency

3. SUMMARY OF THE PROJECT

Sr. No.	Description
I.	Up gradation / Enhancement Phase (STP): Up gradation and Enhancement of existing 180 MLD ASP type Sewage Treatment Plant to 200 MLD. (Bidder to fill up Price Schedule-B for Broad Unit wise Break-up) Total Price of (I), in Rs.
1	Enhancement/Retrofit of Pre-treatment units (Inlet Chamber, Fine Screen chamber, Grit chamber, bypass piping, etc.)
2	Up gradation, Retrofit and Enhancement of BNR Removal secondary System (A2 O process, SBR Process, MBBR process, Membrane Bio-Reactor (MBR) Process as applicable)
3	SITC of Filtration with all allied work (Gravity / Media / Disc Filters, Filter Feed Sump if applicable)
4	Retrofit and Enhancement of Disinfection Units / System (CCT & Chlorination Bldg. / UV), Outlet Flow Measurement System, Disposal line, etc.
5	Retrofit and Enhancement of Sludge Treatment Units (Sludge Sump/s, Sludge Thickener, Sludge Digester, Sludge Dewatering unit, etc.)
6	Up gradation and Retrofit of Buildings (BNR Blower Room/PEB, Administrative Office/ Building, Security Cabin. etc.)
7	Repairing/SITC of Roads, Pathways, Street Lighting, etc.
8	Repairing/SITC of RCC Compound Wall with Gates and Water Supply including service water line (Service / Drinking / etc.) / Site Drainage, Lawns, Landscaping, etc.
9	Any other to complete the work in all respects / Any other Unforeseen Works
II.A	Operation & Maintenance Up gradation phase: Operation and Maintenance of the entire facilities for During Up gradation Work. (O&M scope includes entire existing facility)

Note: - The amount is mentioned per tender quoted by the agency in the online portal of AMC and percentage calculation accordingly. (Limit was given in the tender)

Progress Report (As per EPC Price Breakup)

Sr. No.	Particulars	Civil Works		Piping Works		Mech. Works		Elect. Works		Instru. Works		Total Works	
		EPC wise (%)	Actual Progress	EPC wise (%)	Actual Progress	EPC wise (%)	Actual Progress	EPC wise (%)	Actual Progress	EPC wise (%)	Actual Progress	EPC wise (%)	Actual Progress
1	Enhancement/Retrofit of Pre-treatment units.	6.41	3.00	0.64	0.43	3.21	1.06	0.38	0.12	0.26	0.07	10.90	4.68
2	Upgradation, Retrofit and Enhancement of BNR Removal secondary System.	0.13	0.08	2.56	2.06	46.35	38.94	1.92	0.00	0.64	0.00	51.60	41.08
3	SITC of Filtration with all allied work.	0.64	0.00	0.64	0.00	11.54	0.00	0.64	0.00	0.64	0.00	14.10	0.00
4	Retrofit and Enhancement of Disinfection Units / System.	0.13	0.11	0.13	0.00	0.77	0.08	0.13	0.00	0.13	0.00	1.28	0.18
5	Retrofit and Enhancement of Sludge Treatment Units.	1.41	0.22	1.28	1.03	12.82	0.25	1.28	0.89	1.28	0.00	18.08	2.39
6	Upgradation and Retrofit of Buildings	0.90	0.30	0.13	0.11	0.06	0.02	0.06	0.00	0.13	0.00	1.28	0.43
7	Repairing/ SITC of Roads, Pathways, Street Lighting, etc.	1.03	0.10	0.06	0.06	0.06	0.00	0.13	0.02	0.00	0.00	1.28	0.18
8	Repairing/SITC of RCC Compound Wall with Gates and Water Supply including service water line	0.32	0.24	0.13	0.11	0.06	0.00	0.06	0.00	0.00	0.00	0.58	0.35
9	Any other to complete the work in all respects / Any other Unforeseen Works	0.13	0.00	0.00	0.00	0.13	0.06	0.00	0.00	0.64	0.00	0.90	0.06
	Total % Progress	11.09	4.04	5.58	3.80	75.00	40.41	4.62	1.03	3.72	0.07	100.00	49.36

4. Details of Contractor & PMC Staff Deployed for the Project

Details of Contractor Staff		
Sr. No.	Name	Post
1	Mr. Nikunj Patel	Project Manager
2	Mr. Darshan Tagadiya	Engineer-Environment
3	Mr. Nikul Patel	Lab Chemist
4	Mr. Natubhai Modhera	Project Engineer
5	Mr. Dhaval Patel	Engineer-Mechanical
6	Mr. Ringu Pasaya	Site Engineer

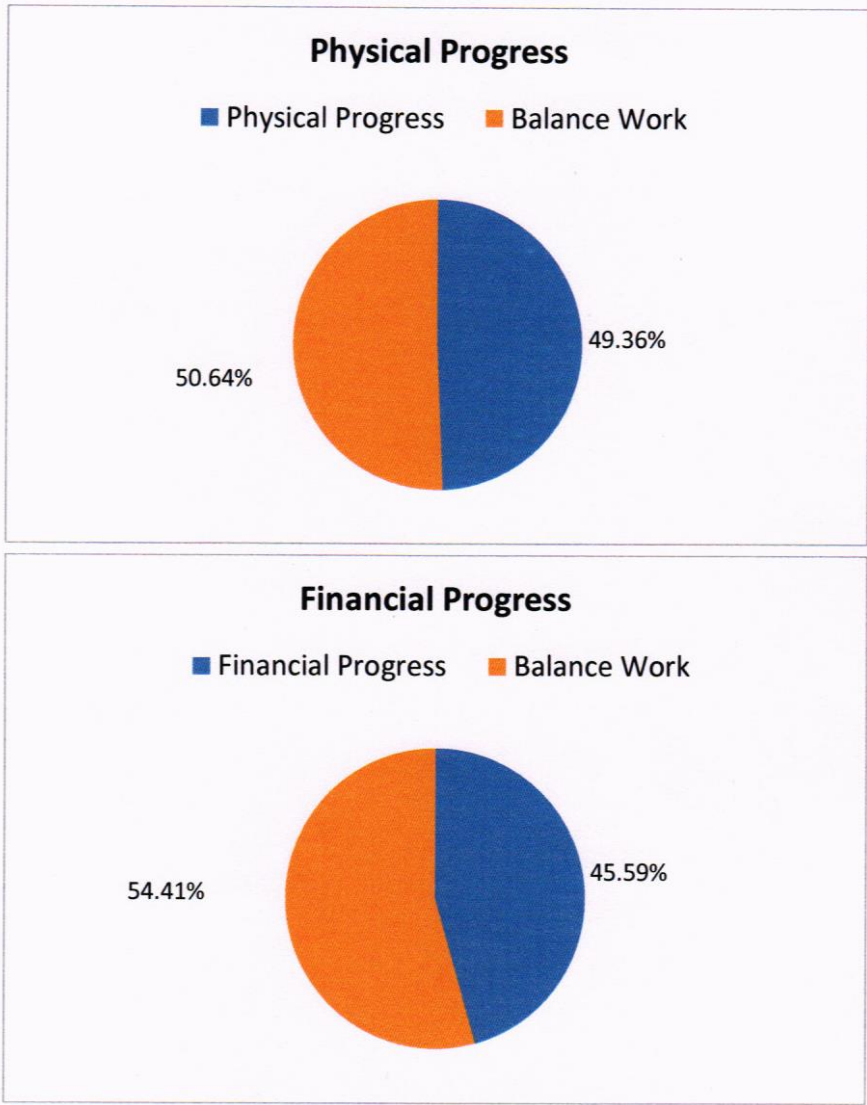
5. Details of Machineries & Manpower Mobilized at Site

Sr No.	Description	As per the tender Requirement	On-site
1	Machinery	As Required	2-JCB, 1-Hydra,2-Tractor,70T Crane
2	Manpower	As Required	As Required

5.1. Machineries Calibrations Details

Sr. No.	Machinery details	Calibration Done Date	Calibration Completion Date
1	CTM (Compression Test Machine)	15.04.2025	14.04.2026
2	RMC PLANT (HINDUSTAN RMC)	14.04.2025	14.07.2025

6. Physical & Financial Progress Pie Chart Diagrams up this Month



7 WORK PROGRESS DURING JULY-2025

7.1 Details of Major Work Executed in Current Month.

Holding Tank

- Holding Tank -1 3rd Lift Has been Completed
- 4th Lift (Wall) Reinforcement & Shuttering work in Progress.
- Excavation work in Holding Tank-2 in progress.

BNR Removal System

- **Aeration Tank**

- Fix-film bio media cage stand Fabrication work completed.
- Fix-film bio media cage with stand assemble & Binding with rope work is done in Aeration 5/6.
- Aeration tank 5 New Railing work in progress.
- Aeration tank-5/6 New Railing Colour work in progress.
- Aeration tank 5 & 6 Sub Header Air piping erection work and installation work done.
- Air Blower Room 3 to Main Header Line in Aeration tank 5/6 Pipe Lying, Fabrication work also 500MM Butterfly Valve installation work
- Aeration Tank 5/6 Sub Header line 200MM Butterfly Valve installation work Done
- Aeration Tank 5/6 Main Header line & Sub Header line Pipe colour work in Progress
- Aeration Tank 5/6 Diffuser installation work in progress.
- Aeration Tank 5/6 Disc type Diffuser installation work in progress.
- Aeration tank 3 & 4 Old Existing Air Pipe & Railing Removal Work, Sludge remove and cleaning work Done.

- **Air Blowers**

- ST.2 Air Blower Acoustic Hood works in progress.
- Colour work completed.
- Air blower shed-3 & Shed-1 Plinth Beam Completed
- Air Blower Shed Fabrication work in progress
- Air Blower Shed-2 Excavation work in progress

- **Sludge Digester Tank**

- Sludge cleaning in 2/3/4/5/6 work in progress.
- Dome RCC Breaking in 2, 3 and 4.
- Dome RCC Breaking completed in 5.

Buildings

- **Admin Building**

- Front Elevation making work in progress.
- Main Entry Gate Work Completed.

- **Disinfection Unit**

- CCT Room Repair /Plaster, Railing work, flooring work completed, Putty Work in progress.
- CCT Room Flooring Polishing Work in progress.
- CCT Room Chlorination System Overhauling work in progress, in which old system parts remove, required parts replace work in progress.

- **Dosing Unit**

- No work (Excavation Done in Chemical Dosing Unit)

- **Roads and pathway work**

- Wet mix Laying completed in proposed New Road

- **Compound Wall work**

- Barbed Wire fencing work Completed
- Colour work Completed.

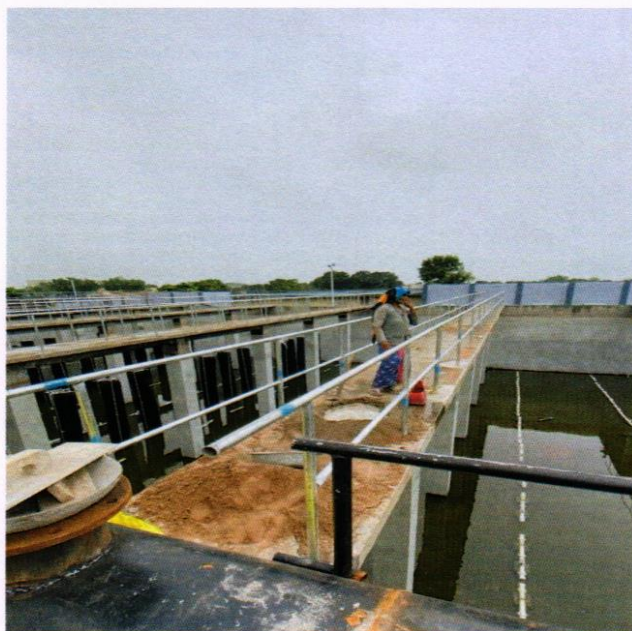
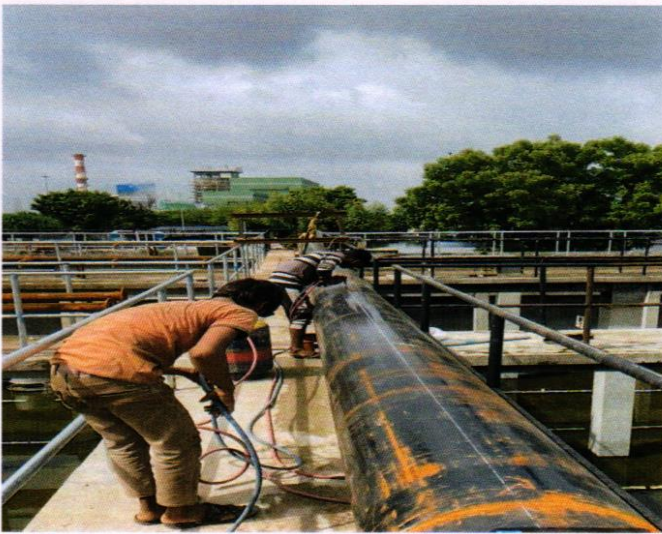
- **Existing Sewage Treatment Plant (STP)**

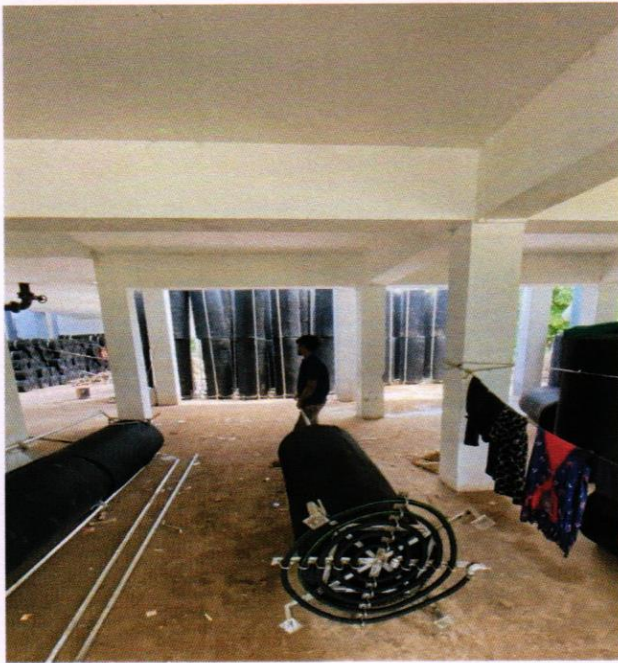
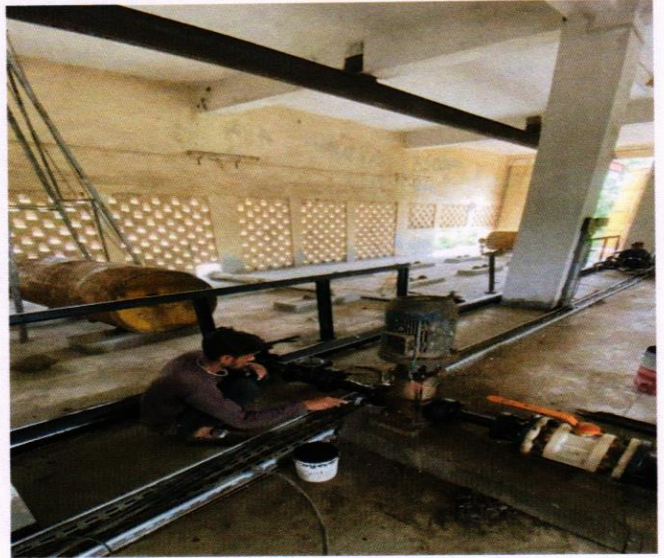
- Main Inlet Chamber Colour Work Completed
- Proposed Plot area cleaning & grass cutting work in progress.
- 200MM and 500MM Butterfly Valve Inspection Done & Received At Site.
- New Air Blower Received at site
- New Submersible Pump & New Chlorination System inspection done.

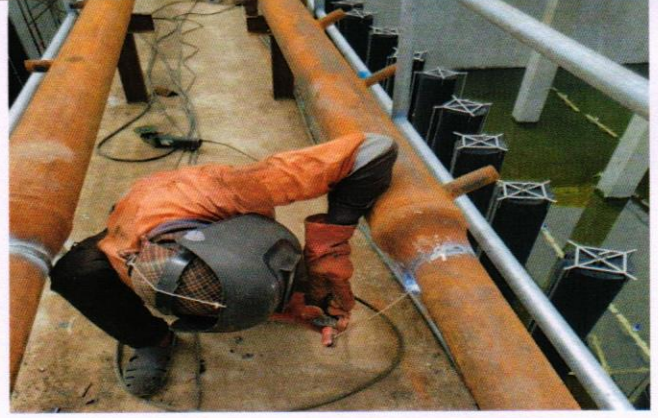
7.2 **Planning For the Next Months**

- Diffuser assembles & Stair Case Flooring work at Aeration Tank 5 & 6.
- Pipe Fabrication, Erection, and installation work at Aeration 3 & 4.
- New Railing work at Aeration 3 & 4.
- Bio Media Cage installation work at Aeration 3 & 4.
- Diffuser Support grid & Diffuser installation work at Aeration 3 & 4,
- Digester cleaning work.
- Holding Tank-1(30.0m Dia.) Wall Construction Work
- Holding Tank -2(42.0m Dia.) Rubble soling, PCC, & Bottom Raft.
- Air Blower Shed-1 & 3 erection work & Air blower Shed -2 Foundation, column & Plinth Beam Work.
- Air Blower Room 2 Acoustic Hood Overhauling & Retrofitting work
- All Building Door & Window Fixing & Repair work.
- SCL-3 Plaster/Repair, colour work, Electro-mechanical overhauling & retrofitting work.
- Sludge Thickener 1 Plaster/Repair, colour work, Electro-mechanical overhauling & retrofitting work.

8 SITE PROGRESS PHOTOGRAGHS











MaRS Planning & Engineering Services Pvt. Ltd.

Registered & Corporate Office :

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S. P. Ring Road, Bopal - Ambali, Ahmedabad - 380058, Gujarat.

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CIN : U74210GJ2004PTC44447

ADDING VALUE THROUGH
INNOVATION

Our ref.: MaRS/01015/5050/24317

Date: 02/08/2025

To,

**The Addl. Chief Engineer,
(S.O.E&M)****STP Department****Ahmedabad Municipal Corporation (AMC)**

Subject: Monthly Progress Report (MPR-July-2025)

Project: Upgradation of 240 MLD STP at Vasna as per latest NGT norms with 05 years of operation and comprehensive maintenance work.

Ref.: 1. AMC work order letter no.: STP/4925, Date: 14.11.2024

Respected Sir,

As per above mention reference & held latest meeting at project site, the completed/progress works are as per below:

Completed works (latest Site photographs attached)	Works in progress (latest Site photographs attached)
PTU gate installed for C- stream (7/10)	Diffuser installation work in progress at Aeration tank-E&F
Distribution gate for PCL, Aeration & SCL Installed for C-Stream	Floating materials & bottom sludge cleaning work in progress at PTU for C-stream
PTU gate installed for B- stream (7/10)	Painting work & toilet civil work in progress at admin building
Screen & Belt conveyor installed for B-Stream	Repaired blower's installation work in progress at blower room 1&2
Dismantling completed for PCL-E & SCL-A, E&F	
Sludge thickener B & C cleaned & Dismantling sludge thickener-D	
Ceiling work completed for office & conference room & its electrification works are under progress	
New Lab setup with its working	

Looking the current scenario, the planned work progress are very slow at site, we need more man power & related machineries at site. which is already discussed in project site meetings.

Our project is suffering due to these types of unplanned working, so request to you please take necessary action against agency as per tender to complete the project with in time.

Thanking you with Regards,

Yours Truly

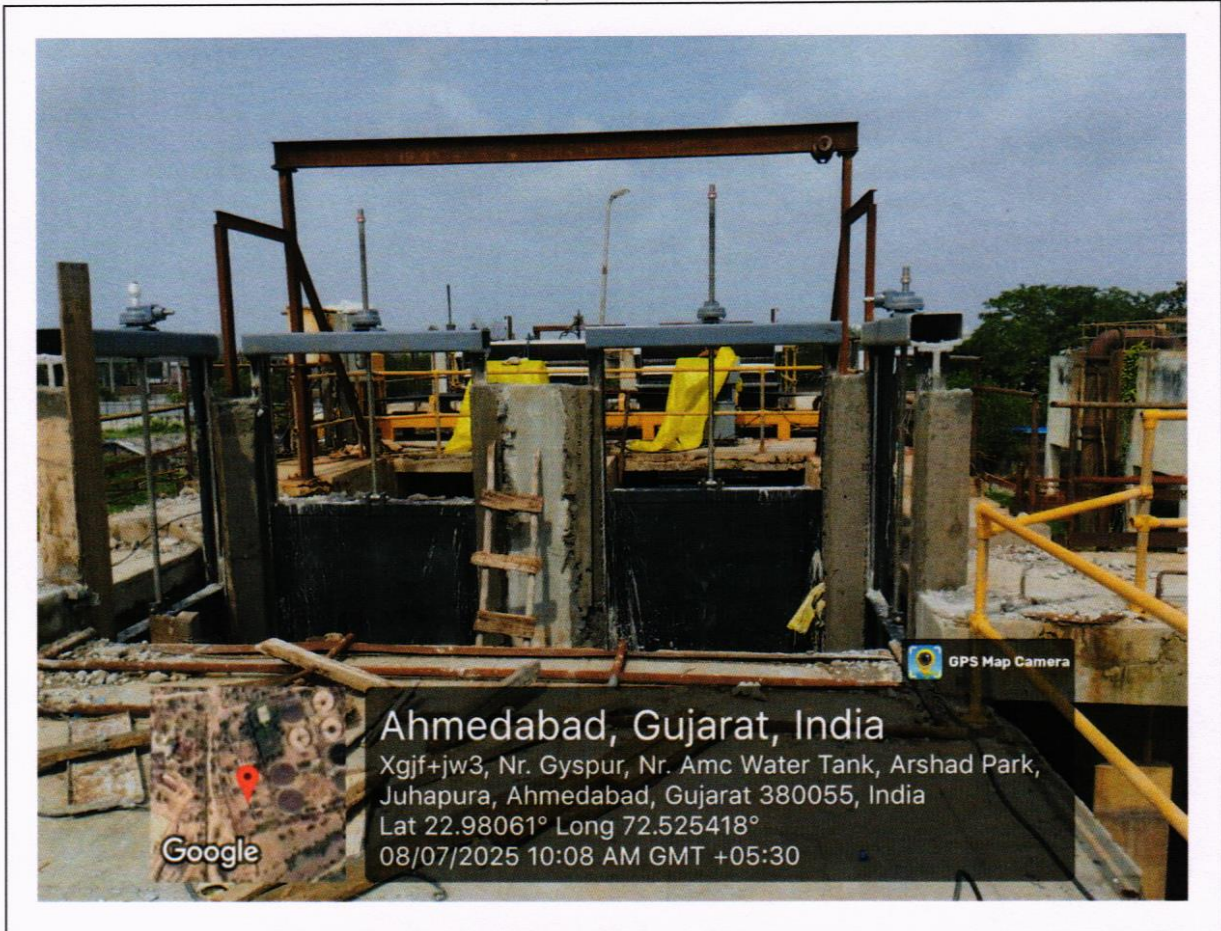
**Indra Kumar Bharti**

Manager (Elect. -Mech.)

MaRS Planning and Engineering Services Pvt. Ltd., Ahmedabad

DA : i. Latest site photographs with GPS based Camera (Annexure-1)- Total no. of pages: 11
ii. Latest minutes of meeting on date: 31/07/2025 (Annexure-2)- Total no. of pages: 05

Latest Project (240 MLD STP at Vasna) Site GPS based Photographs

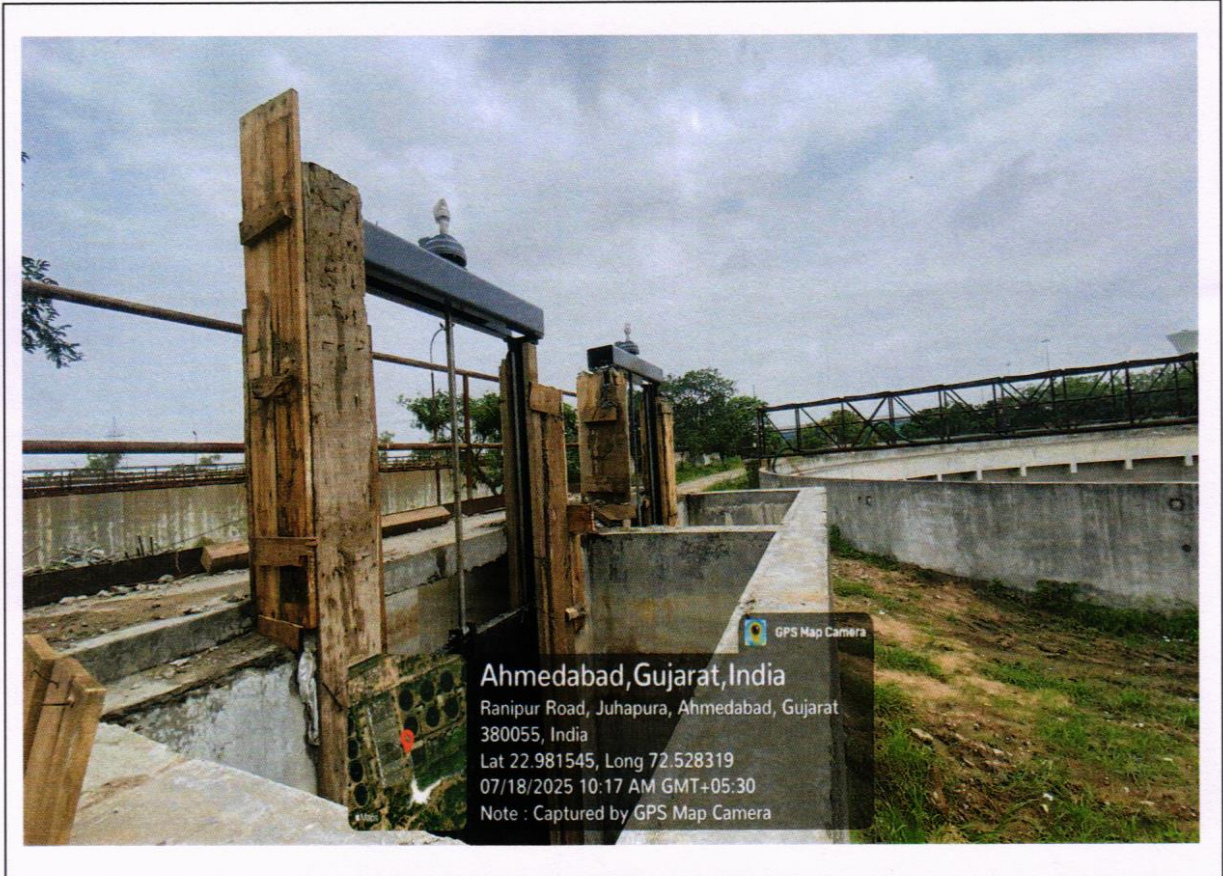


PTU gate installed for C- stream (7/10)

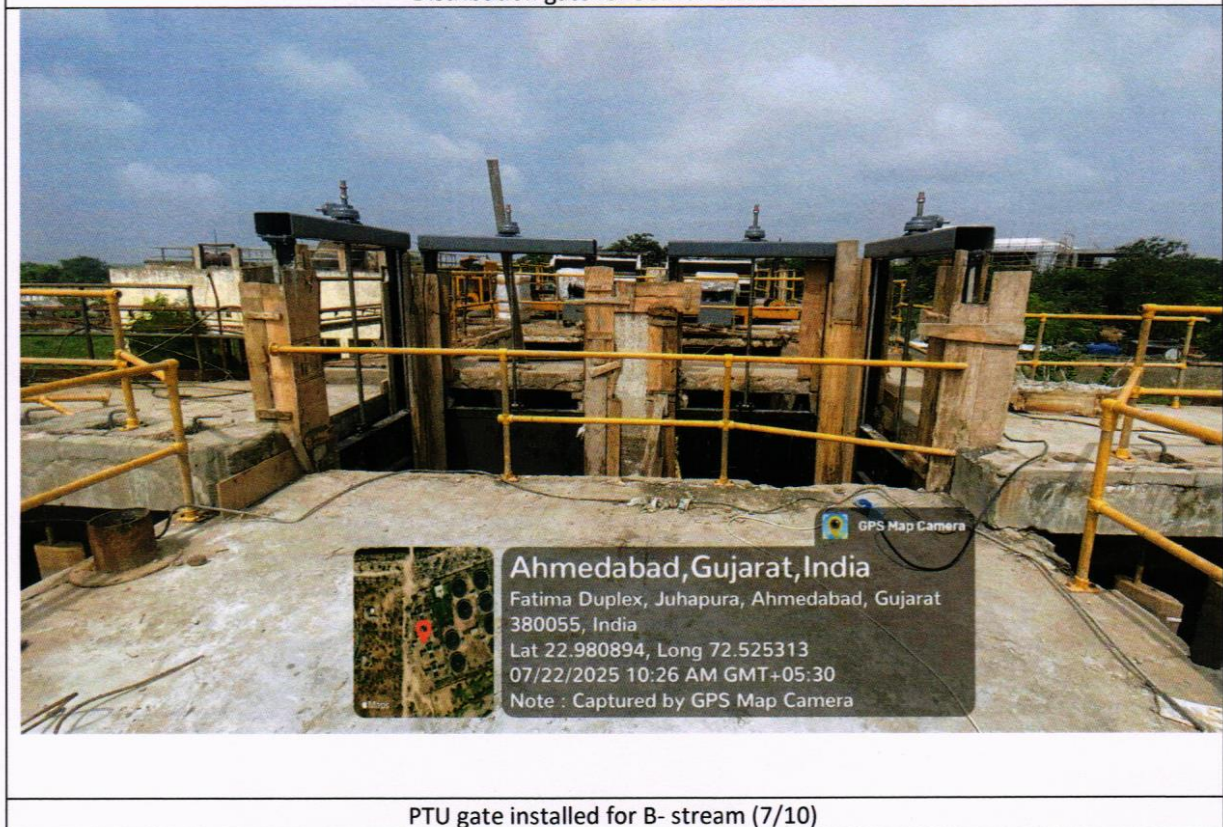


Distribution gate for Aeration for C-Stream

Latest Project (240 MLD STP at Vasna) Site GPS based Photographs



Distribution gate for SCL for C-Stream

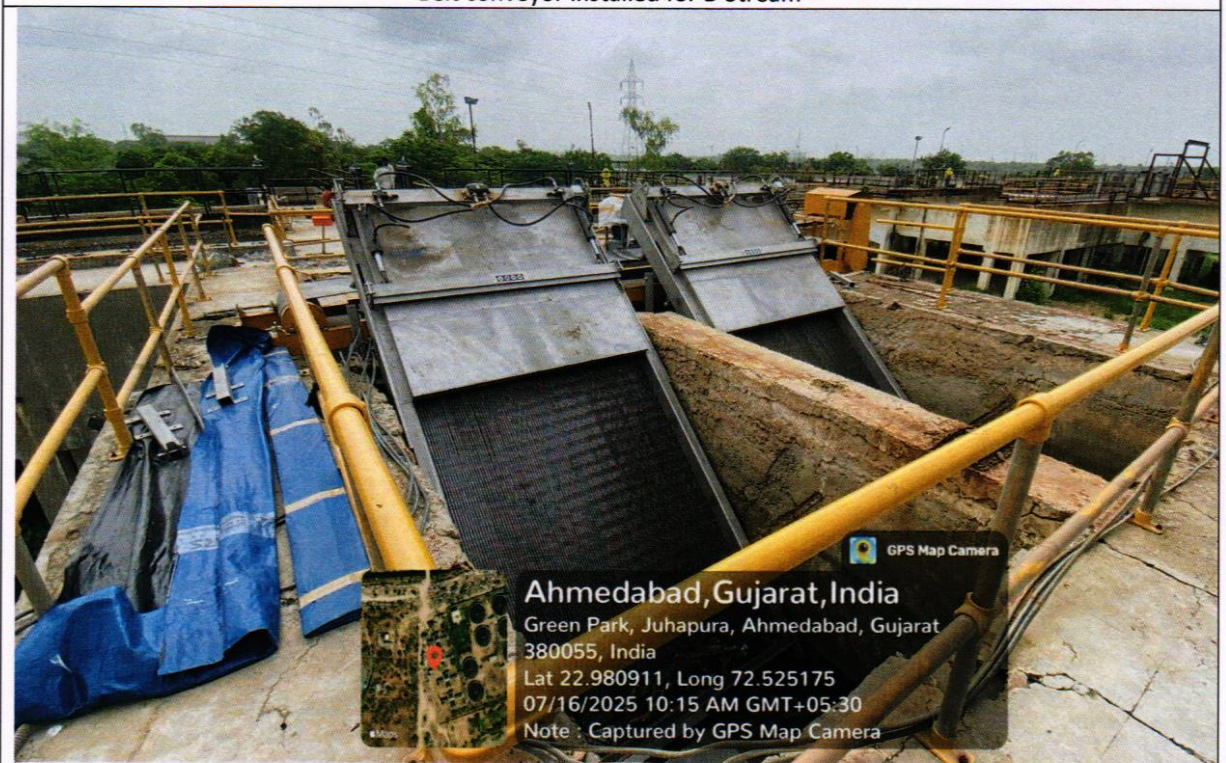


PTU gate installed for B- stream (7/10)

Latest Project (240 MLD STP at Vasna) Site GPS based Photographs

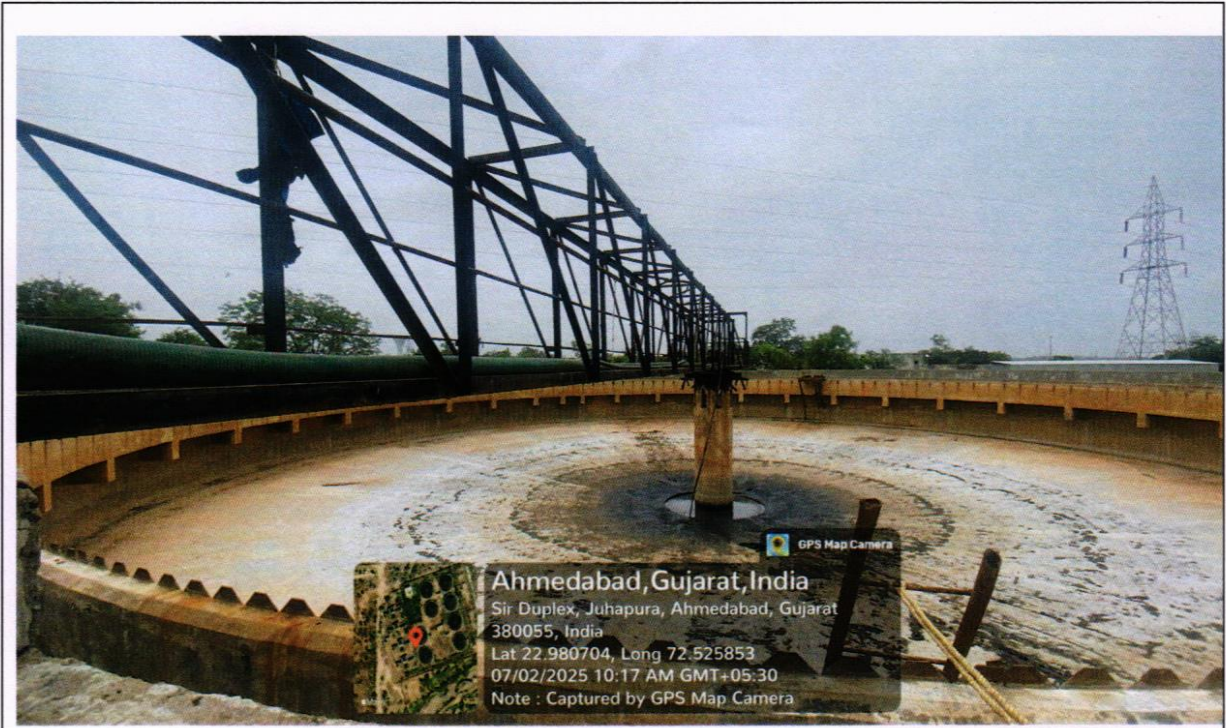


Belt conveyor installed for B-Stream

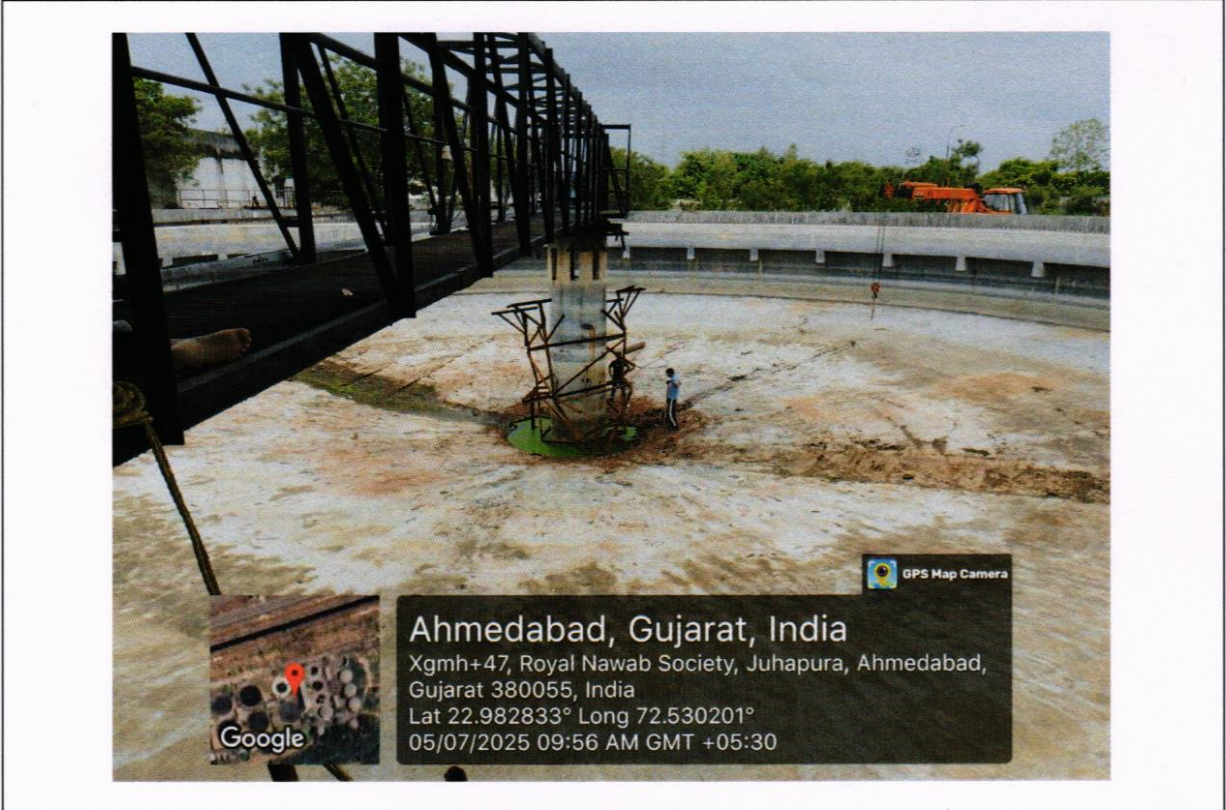


Screen installed for B-Stream

Latest Project (240 MLD STP at Vasna) Site GPS based Photographs

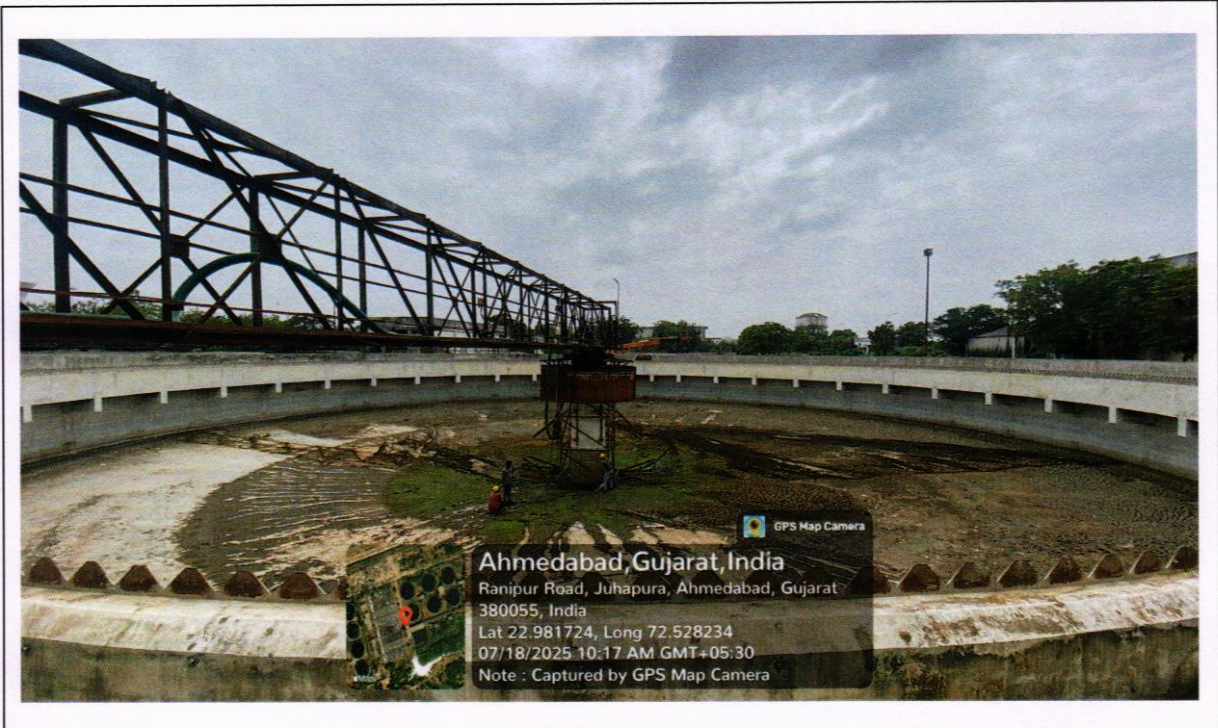


Dismantling completed for PCL-E

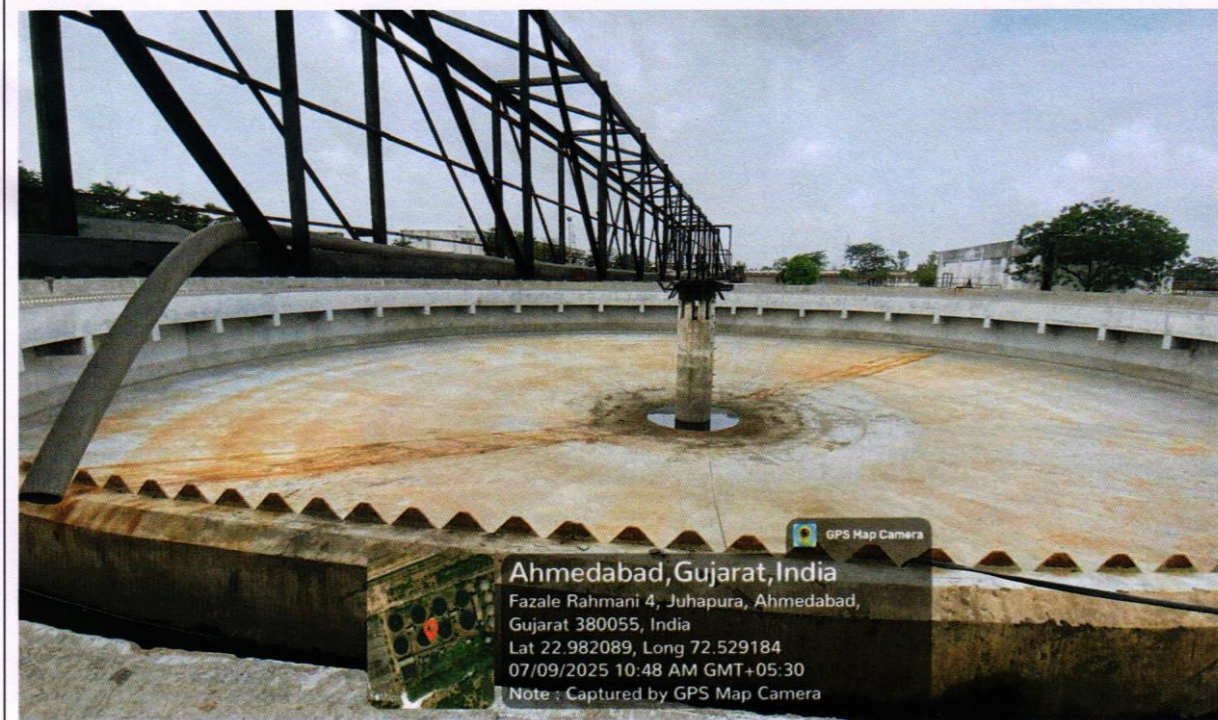


Dismantling completed for SCL-A

Latest Project (240 MLD STP at Vasna) Site GPS based Photographs

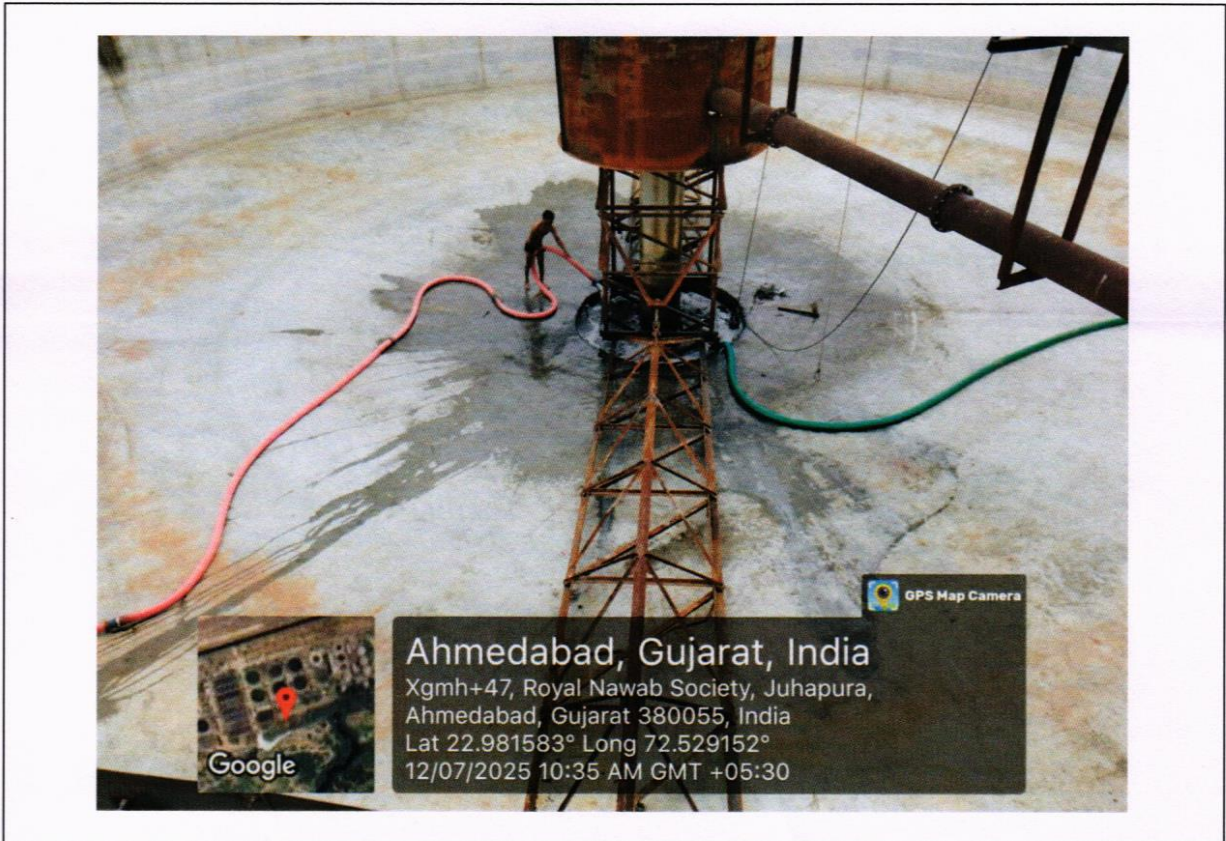


Dismantling completed for SCL-E

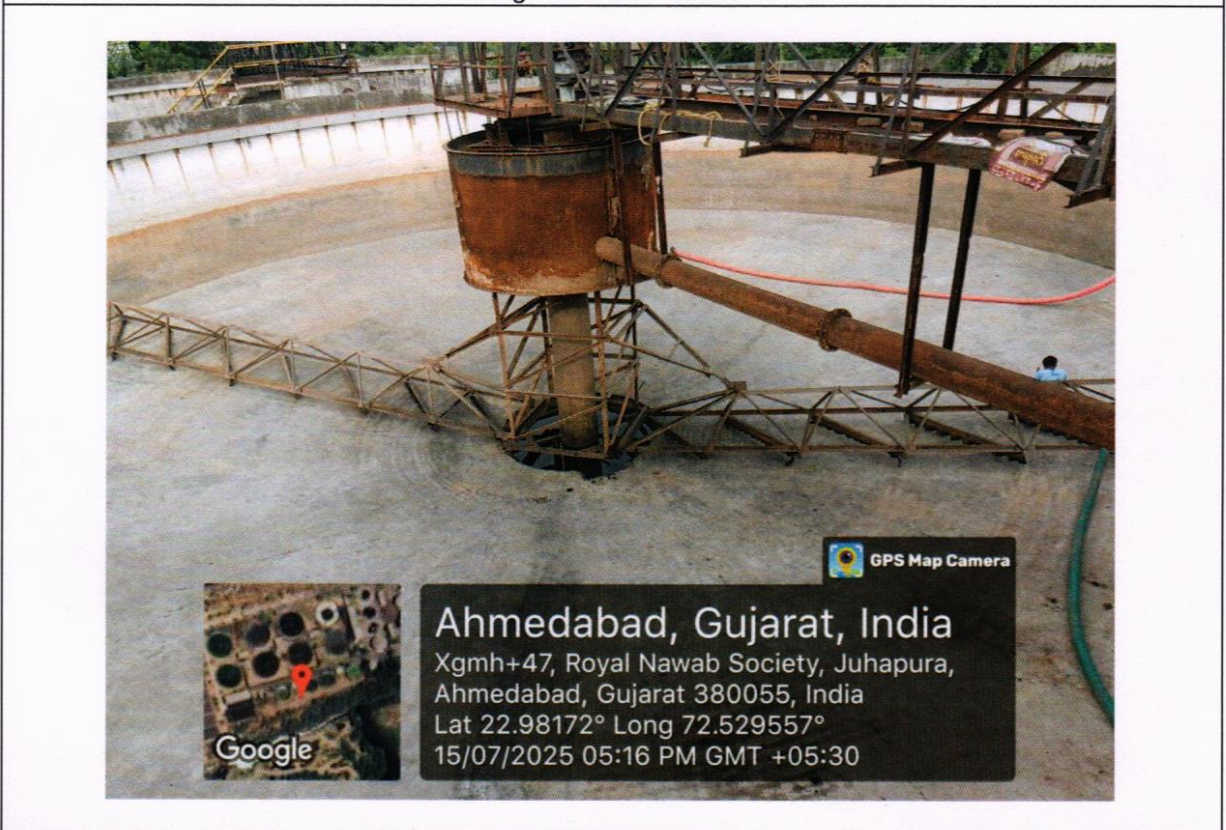


Dismantling completed for SCL-F

Latest Project (240 MLD STP at Vasna) Site GPS based Photographs

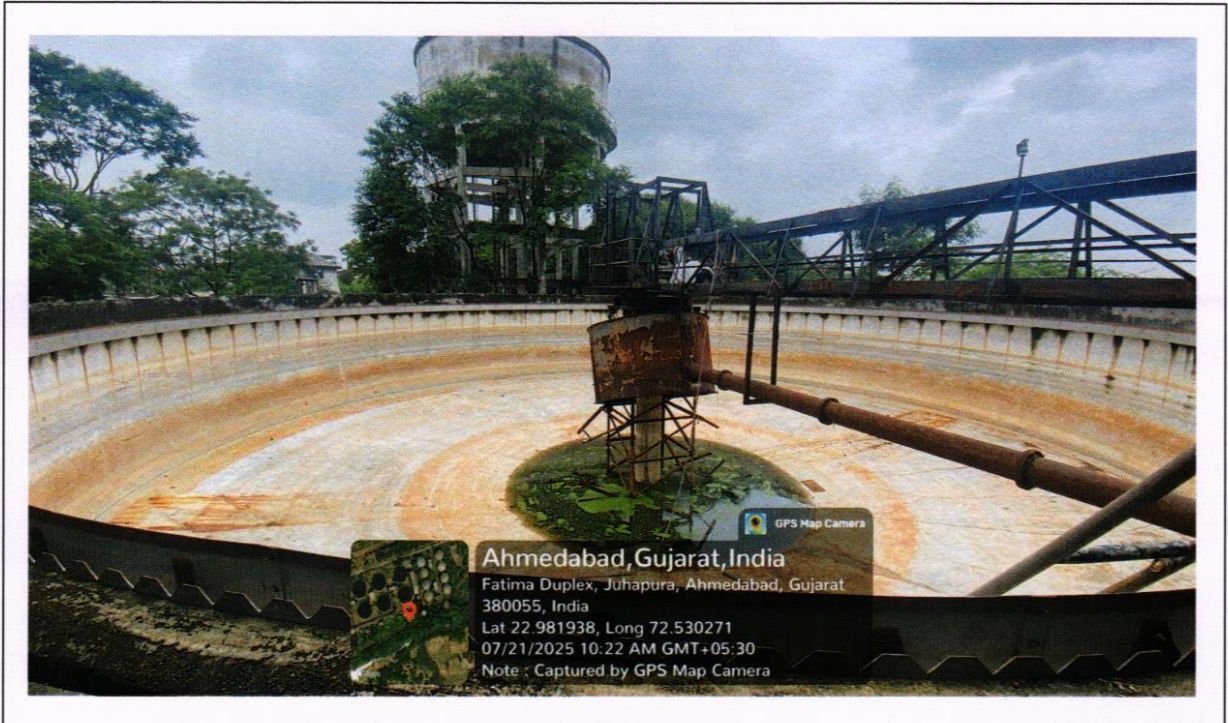


Sludge thickener B cleaned

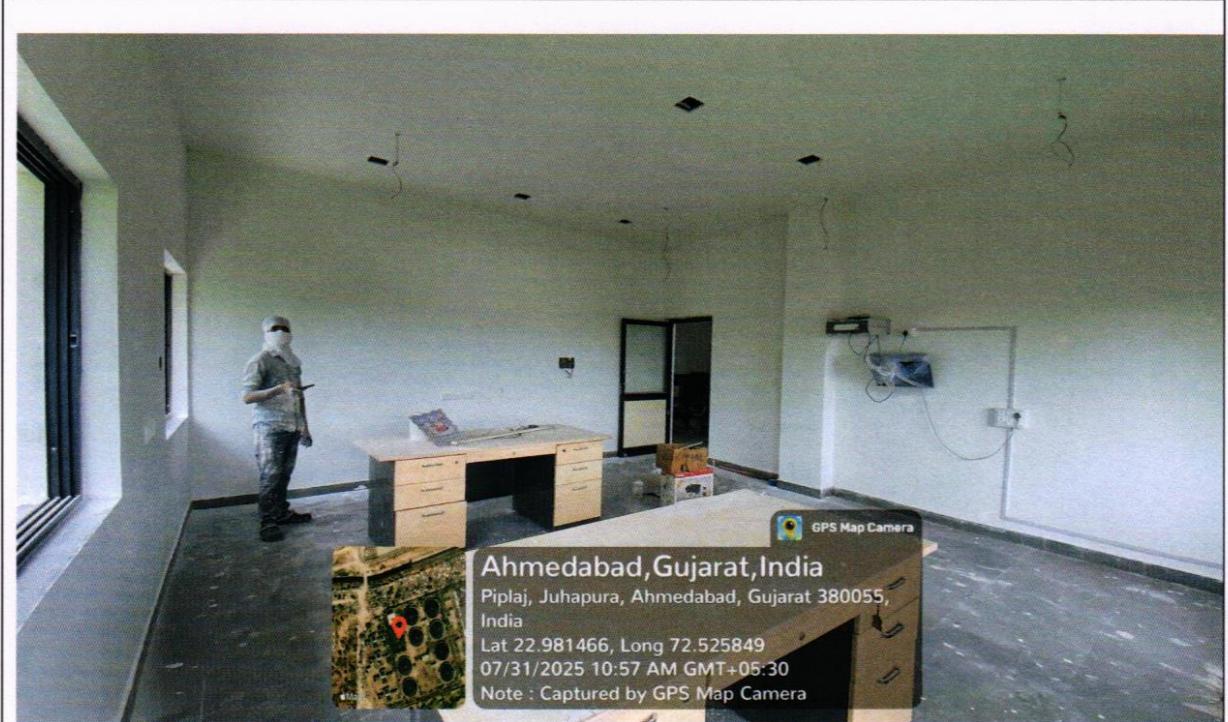


Sludge thickener C cleaned

Latest Project (240 MLD STP at Vasna) Site GPS based Photographs

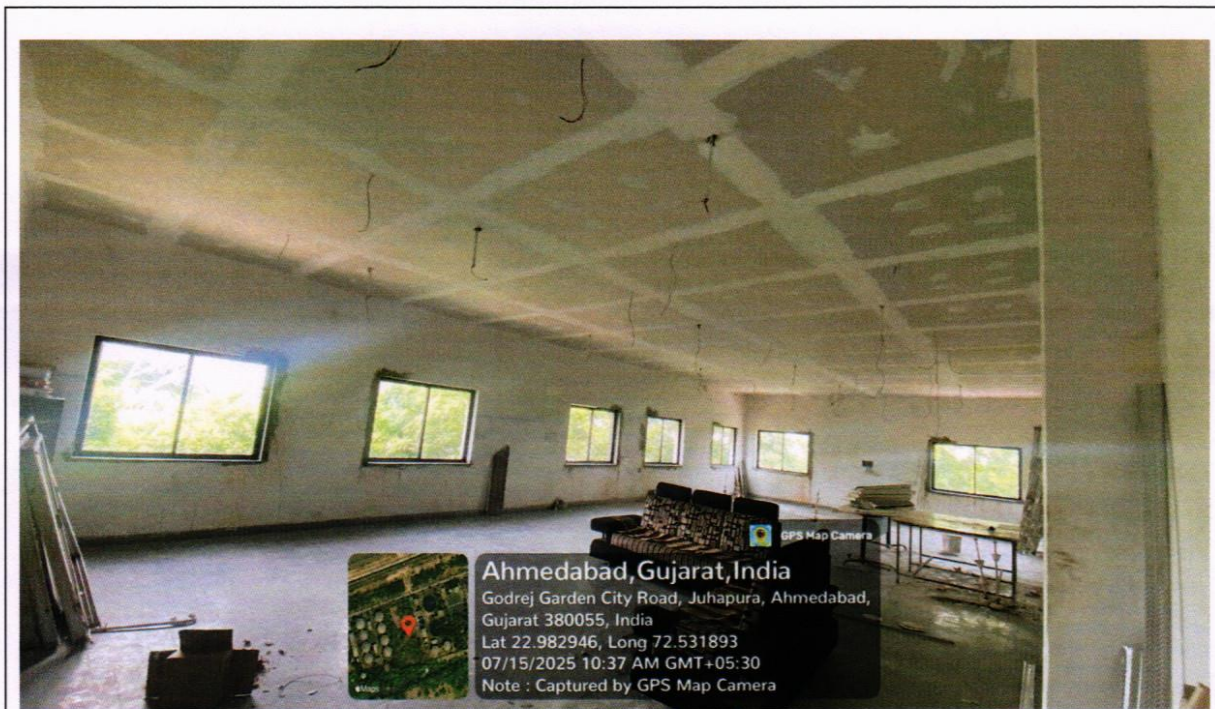


Dismantling sludge thickener-D

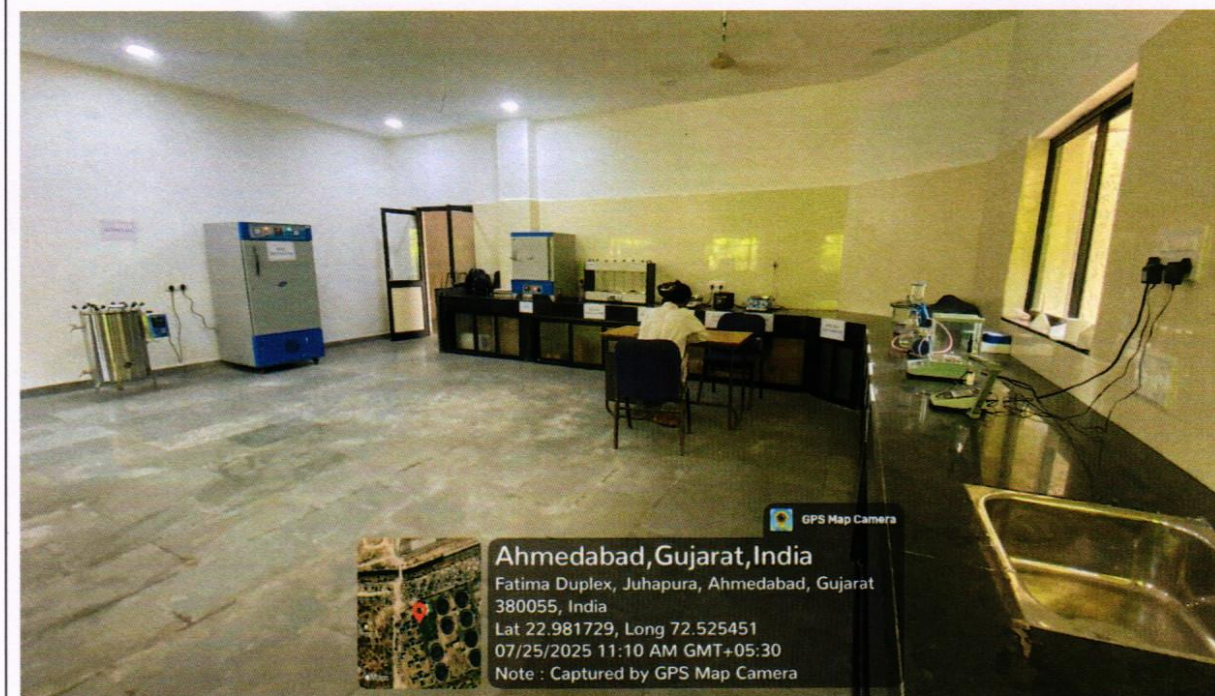


Ceiling work completed for office at admin building & its electrification works are under progress

Latest Project (240 MLD STP at Vasna) Site GPS based Photographs

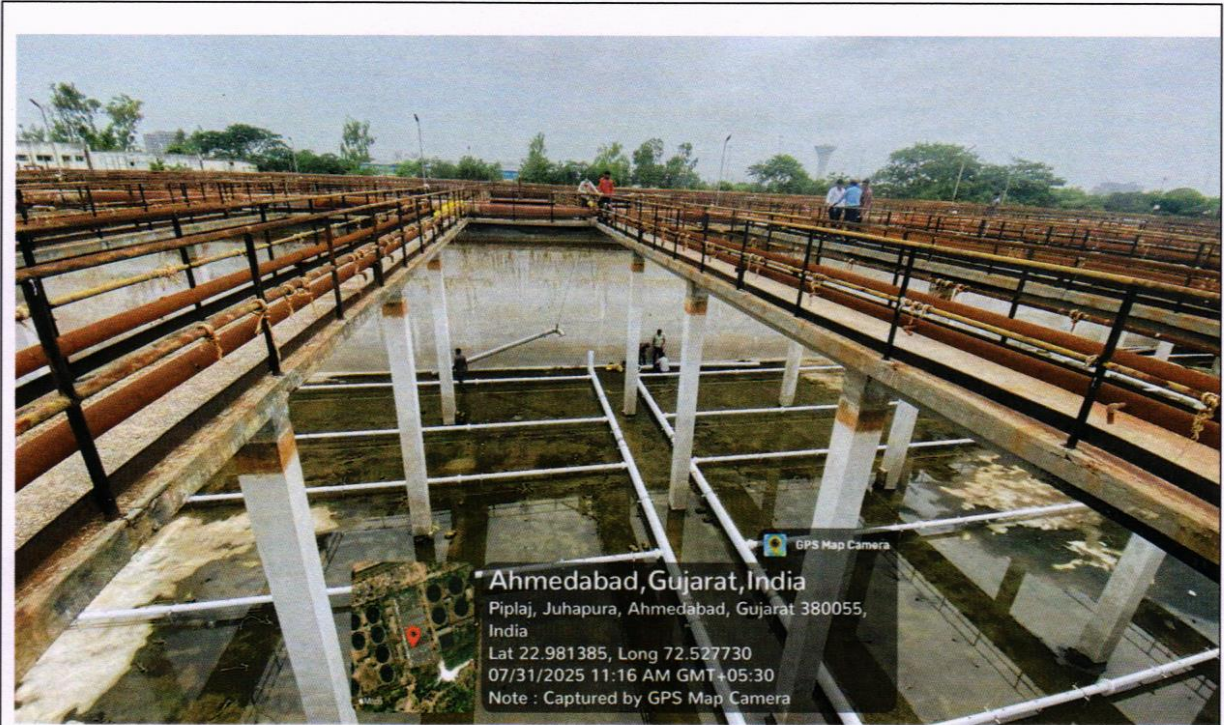


Ceiling work completed for conference room at admin building & its electrification works are under progress

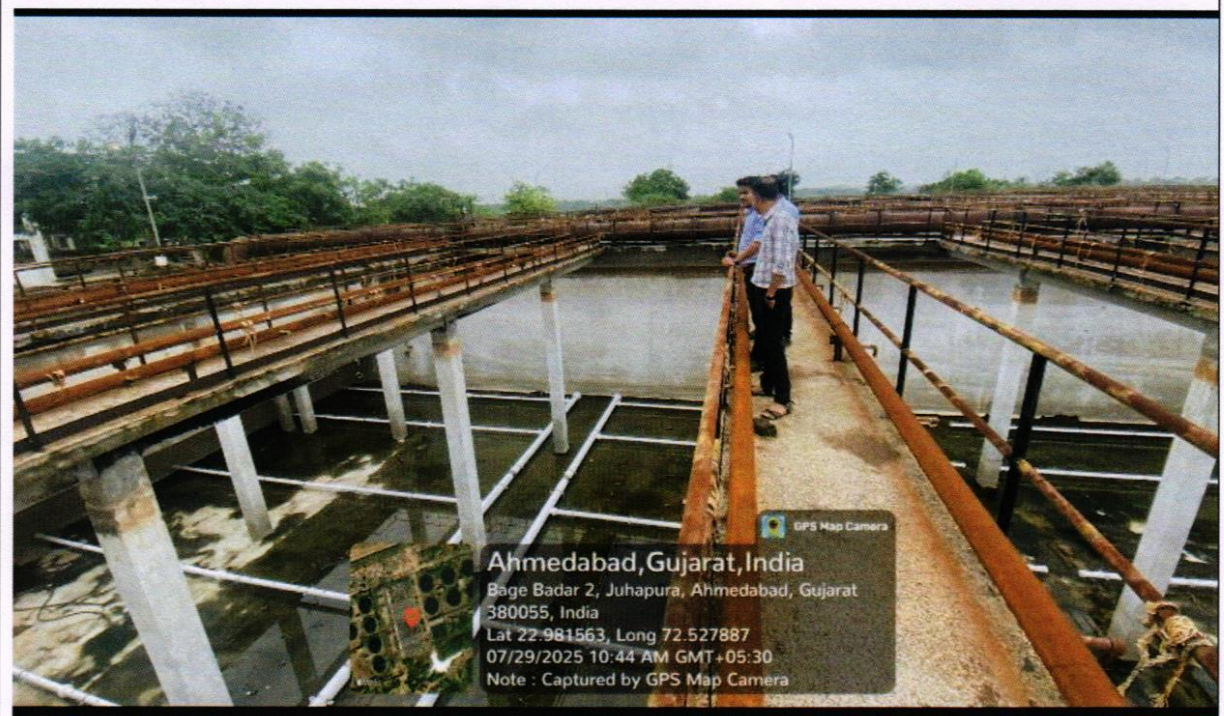


New Lab setup with its working

Latest Project (240 MLD STP at Vasna) Site GPS based Photographs

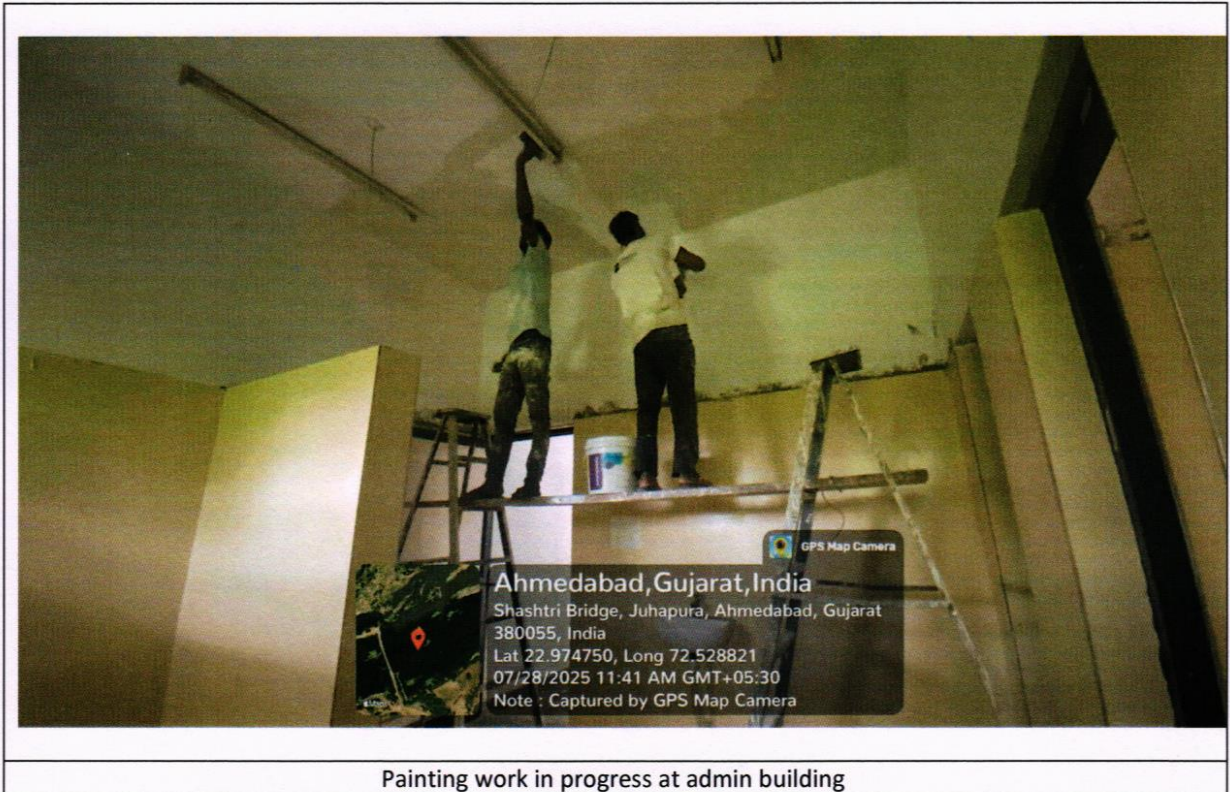


Diffuser installation work in progress at Aeration tank-E

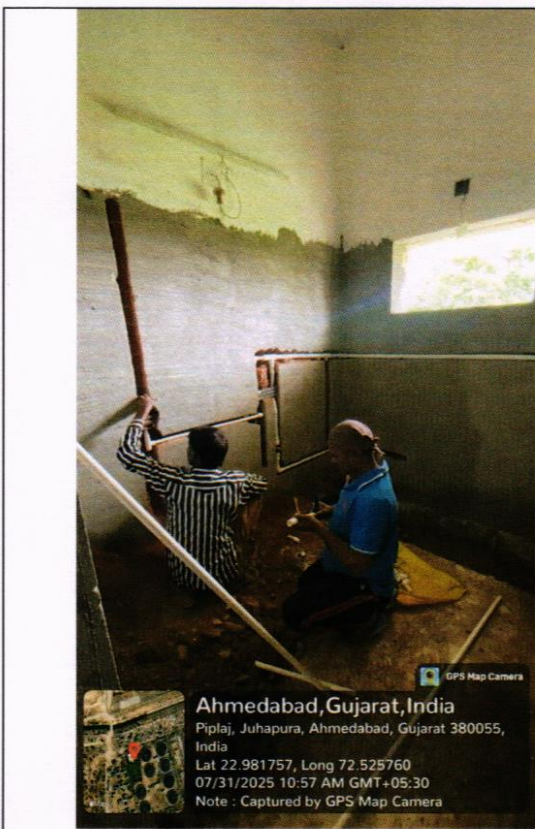


Diffuser installation work in progress at Aeration tank-F

Latest Project (240 MLD STP at Vasna) Site GPS based Photographs



Painting work in progress at admin building



Toilet civil work in progress at admin building



Bottom sludge cleaning work in progress at PTU for C-stream

Latest Project (240 MLD STP at Vasna) Site GPS based Photographs



Bottom sludge cleaning work in progress at PTU for C-stream



Repaired blower's installation work in progress at blower room

MaRS Planning & Engineering Services Pvt. Ltd.

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CIN : U74210GJ2004PTC44447

ADDING VALUE THROUGH
INNOVATION

Our ref.: MaRS/01015/5039/24316

Date: 02/08/2025

To,
The Addl. Chief Engineer,
(S.O.E&M)
Ahmedabad Municipal Corporation (AMC)

Subject: Monthly Progress Report (MPR) for July - 2025

Project: Upgradation work of 70 MLD Vinzol ASP type Sewage Treatment Plant as per latest NGT norms with 5 years of O&M.

Ref.: 1. AMC work order letter no.: STP/4861/24-25, Date: 13.11.2024

Respected Sir,

As per above mention reference & held latest meeting at Site on date: 27/06/2025, project site Completed/progress Works are as per below:

Completed works (latest Site photographs attached)	Works in progress (latest Site photographs attached)
(1) Lab room modification completed with new window, doors installation, final painting and new instruments setup.	(1) Admin building Modification except lab room (Civil, Doors and Windows & Electrical work) in progress.
(2) Sludge line (HDPE) installed to bypass digester from sludge thickener sump to sludge mixing pump house.	(2) Gates dismantling and new gates installation for stream-1(PST-1/2, Aeration inlet, SST-1/2 inlet) in progress.
	(3) Screen & Belt conveyor installation for stream-1 is in progress.
	(4) Diffuser dismantling work is in progress for stream-1
	(5) Grit mechanism installation for stream-1 in progress.

Looking the current scenario, the planned work progress are very slow at site, we need more man power & related machineries at site to complete the task within tender time limit which is already discussed in project site meetings. (Latest Minutes of meeting dated: 25/07/2025-attached).

Thanking you with Regards,
Yours Truly

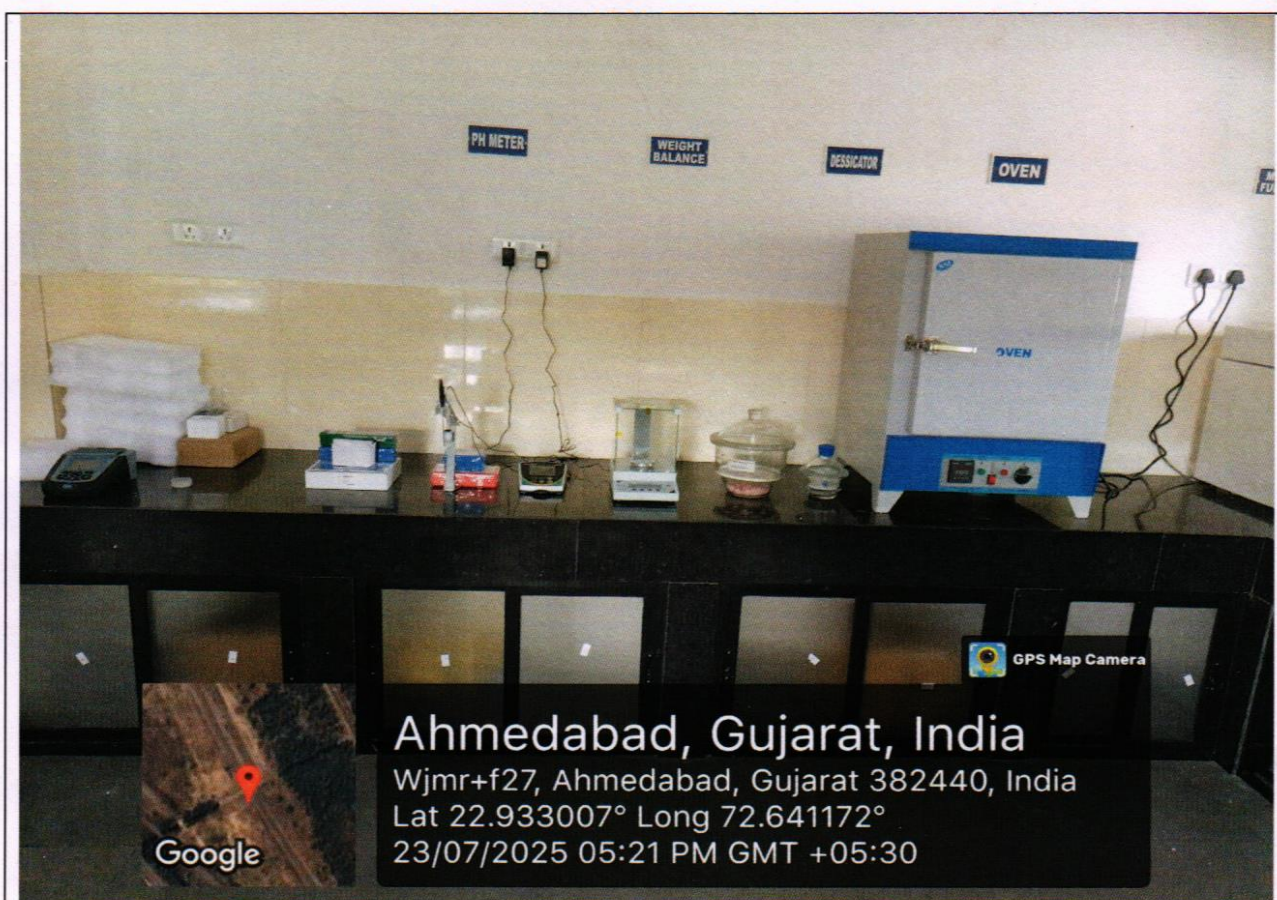


Indra Kumar Bharti,
Manager (Elect. -Mech.)
MaRS Planning and Engineering Services Pvt. Ltd., Ahmedabad

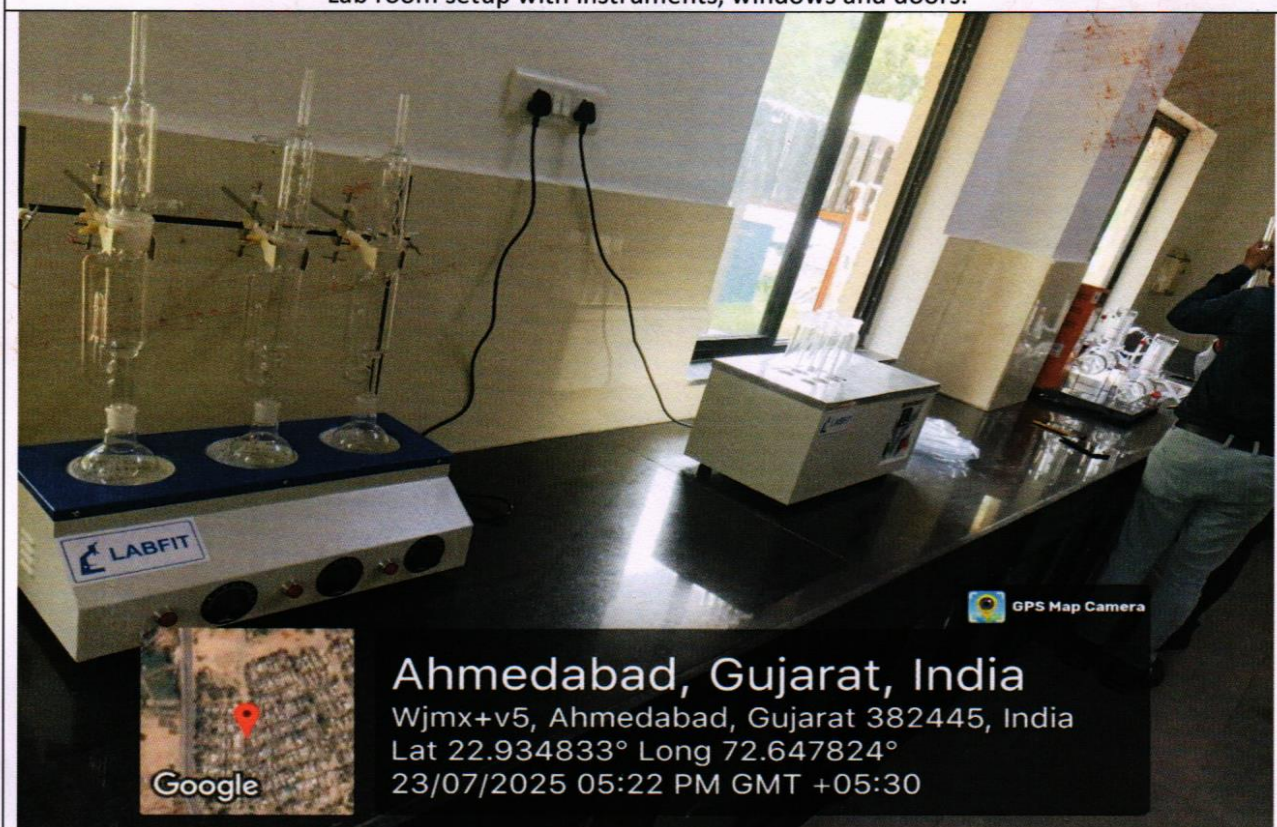
DA : i. Minutes of meeting on dated: 25/07/2025 (Annexure-1)
ii Latest site photographs with GPS based Camera (Annexure-2)

H0IN21168

Latest Project (70 MLD STP at Vinzol) Site GPS based Photographs



Lab room setup with instruments, windows and doors.



Lab room setup with instruments, windows, doors and cupboard.

Latest Project (70 MLD STP at Vinzol) Site GPS based Photographs



Ahmedabad, Gujarat, India

Wjmx+v5, Ahmedabad, Gujarat 382445, India

Lat 22.934833° Long 72.647824°

23/07/2025 05:21 PM GMT +05:30

Lab room setup with instruments, windows and doors.



Ahmedabad, Gujarat, India

Wjpw+r46, Ahmedabad, Gujarat 382445, India

Lat 22.93786° Long 72.645149°

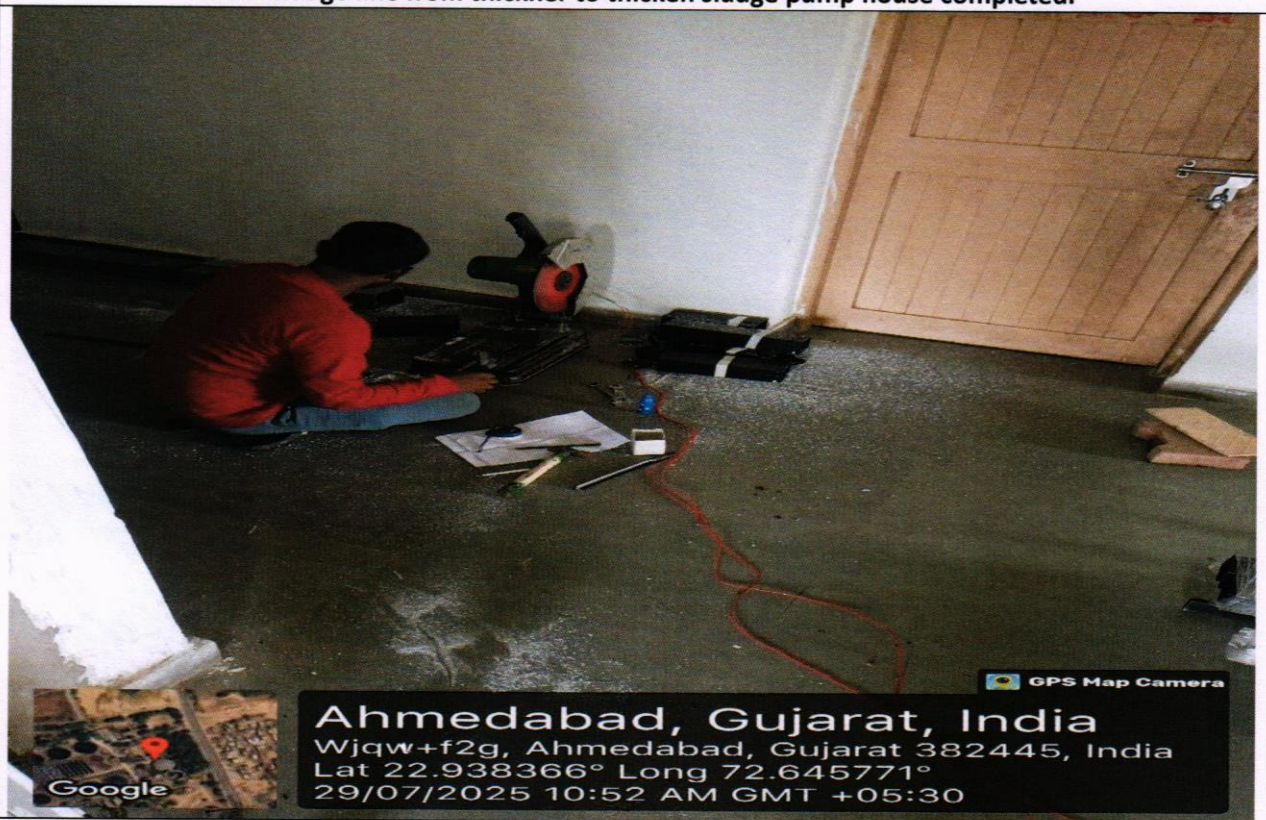
25/07/2025 11:50 AM GMT +05:30

HDPE sludge line from thickner to thicken sludge pump house completed.

Latest Project (70 MLD STP at Vinzol) Site GPS based Photographs



HDPE sludge line from thickner to thicken sludge pump house completed.



Window and Doors fram cutting in progress for admin building

Latest Project (70 MLD STP at Vinzol) Site GPS based Photographs



Civil work for window in progress

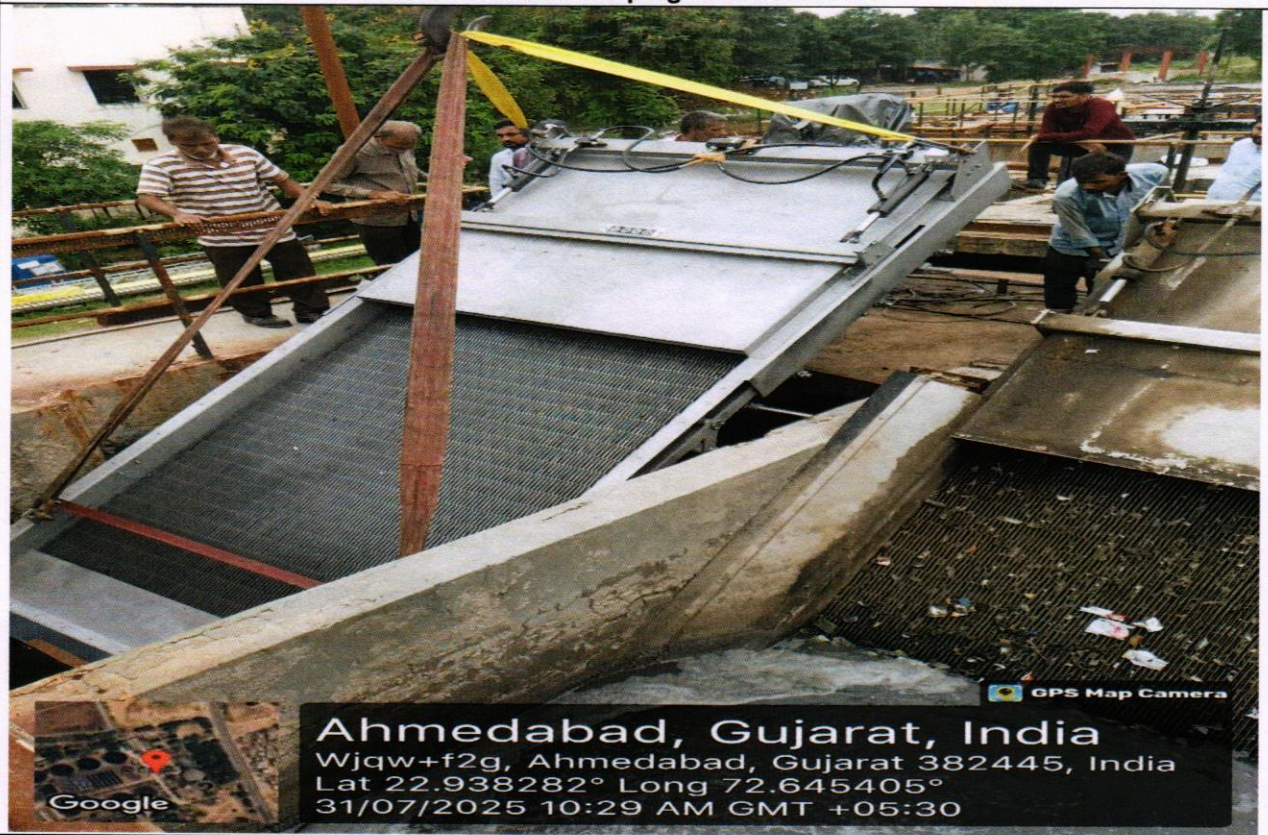


Gate installation in progress for stream-1

Latest Project (70 MLD STP at Vinzol) Site GPS based Photographs



Gate installation in progress for stream-1



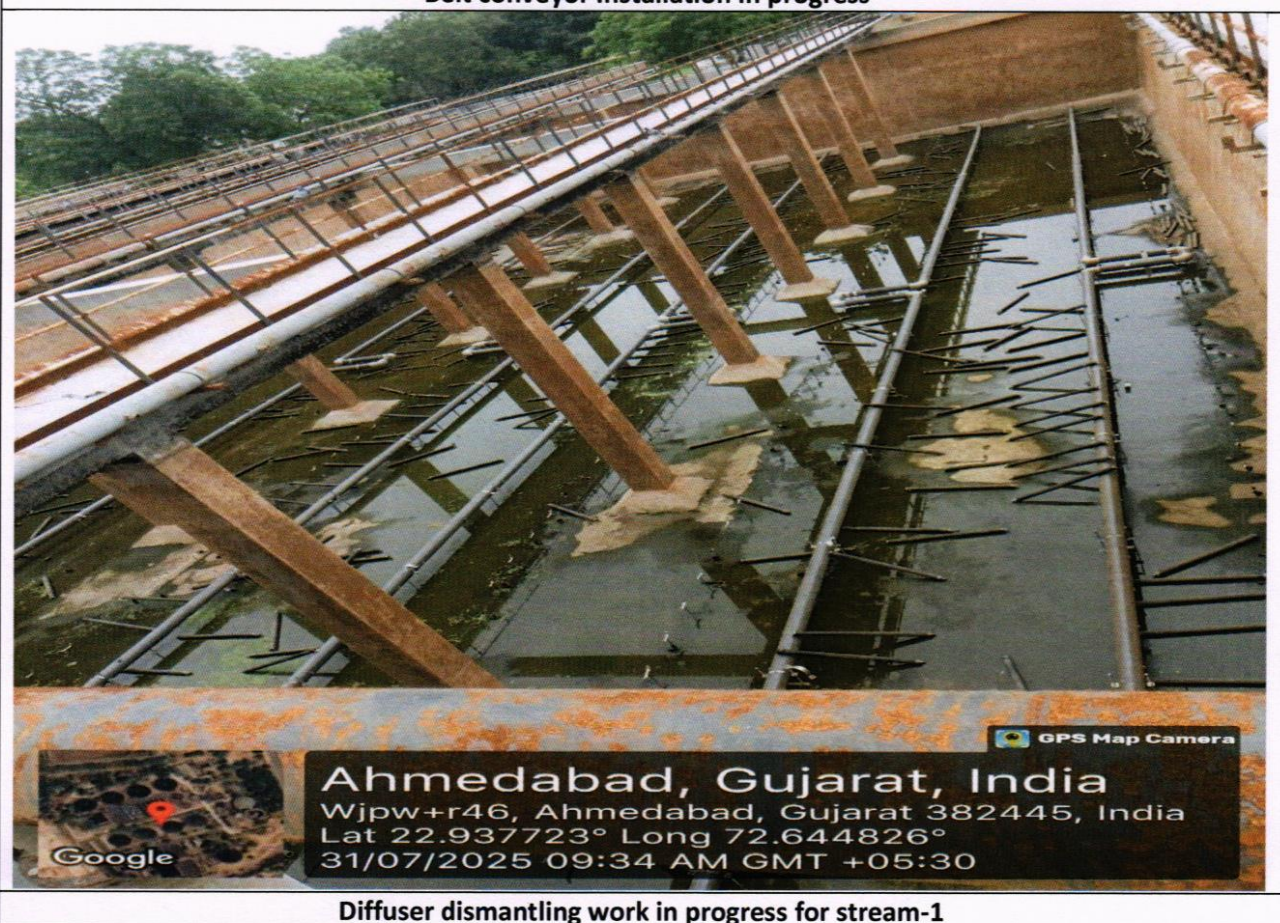
Screen Installation in progress for stream-1

Latest Project (70 MLD STP at Vinzol) Site GPS based Photographs



GPS Map Camera
Ahmedabad, Gujarat, India
Wjqw+f2g, Ahmedabad, Gujarat 382445, India
Lat 22.938461° Long 72.645728°
31/07/2025 11:29 AM GMT +05:30

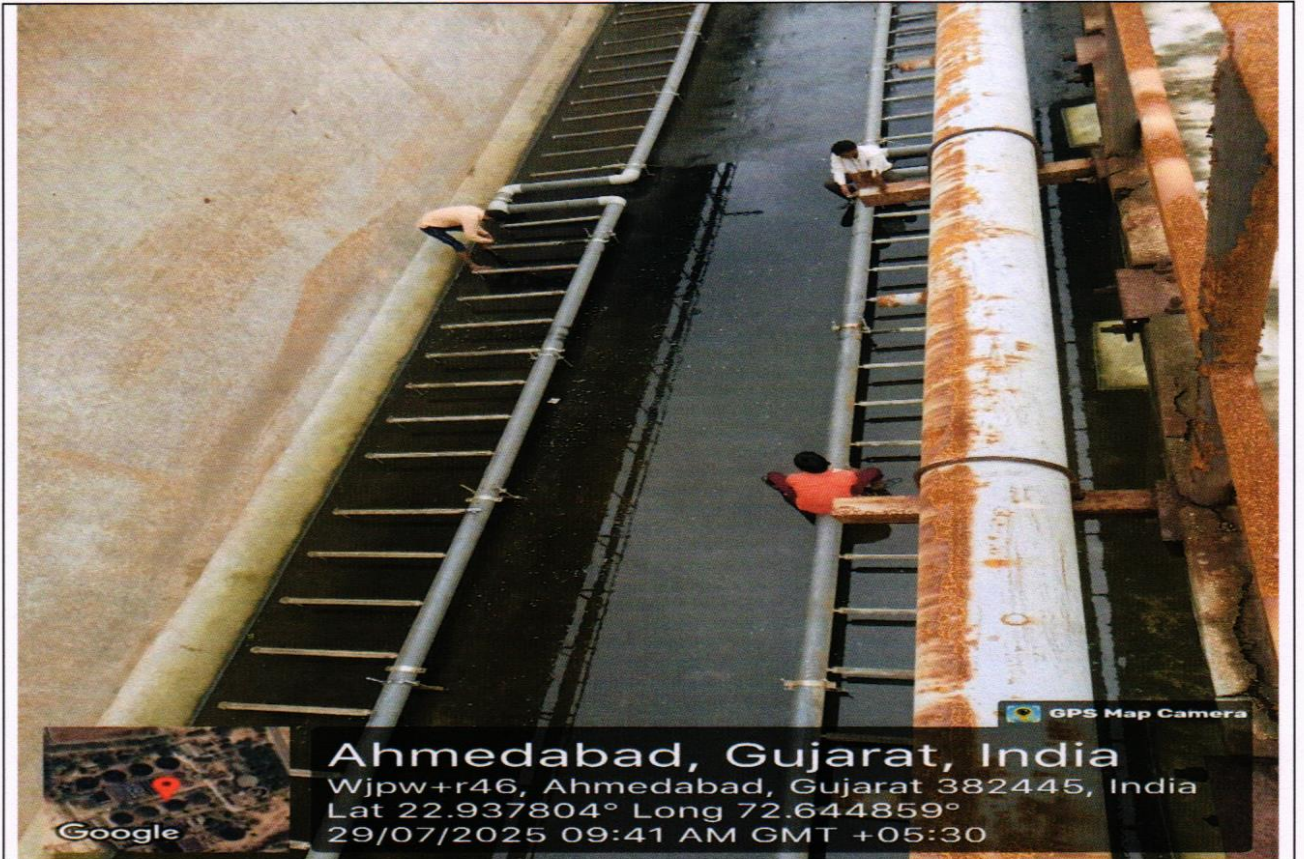
Belt conveyor Installation in progress



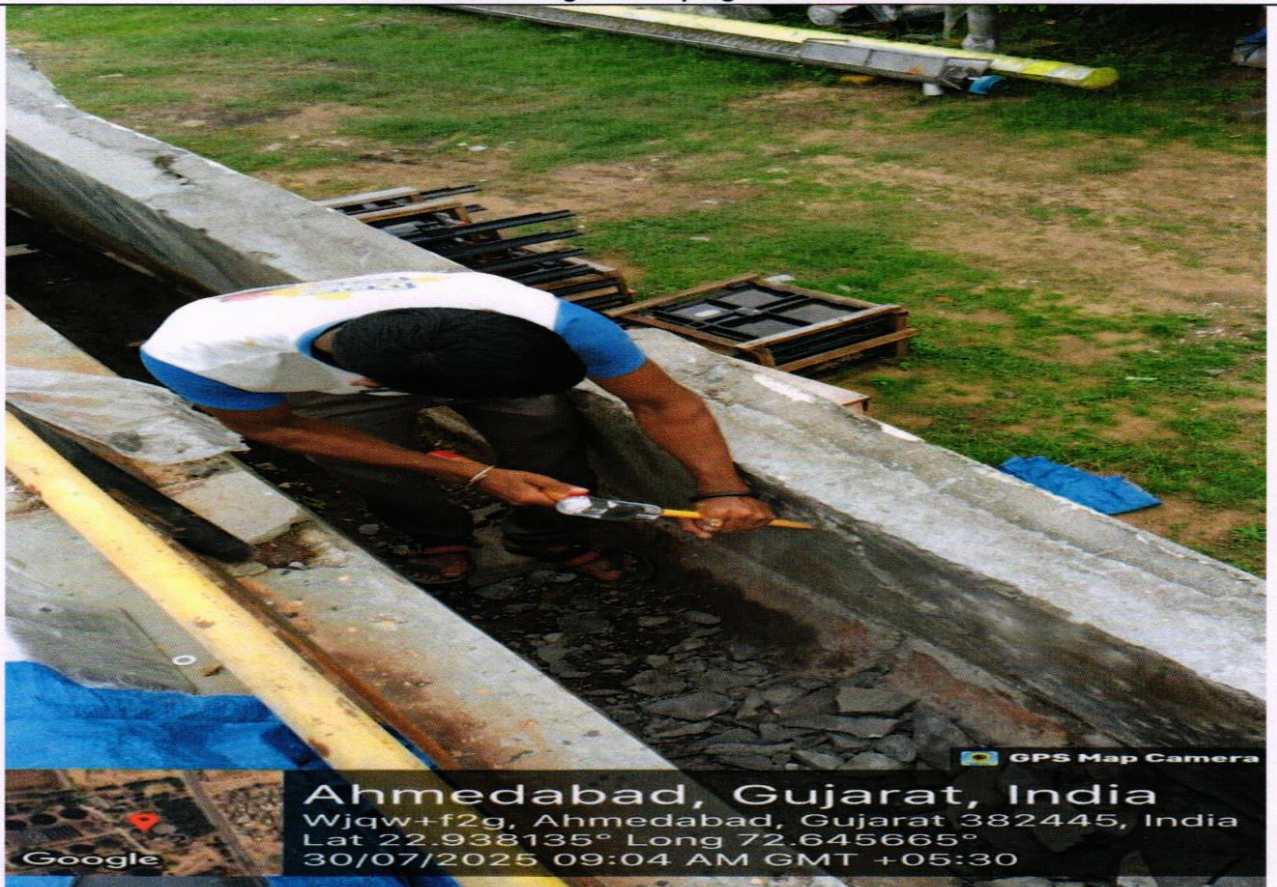
GPS Map Camera
Ahmedabad, Gujarat, India
Wjpw+r46, Ahmedabad, Gujarat 382445, India
Lat 22.937723° Long 72.644826°
31/07/2025 09:34 AM GMT +05:30

Diffuser dismantling work in progress for stream-1


Latest Project (70 MLD STP at Vinzol) Site GPS based Photographs



Diffuser dismantling work in progress for stream-1



Grit mechanism screw conveyer installation civil modification in progress.

	MONTHLY PROGRESS REPORT		REPORT No : 14	
	Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 75 MLD Capacity including Augmentation of existing TSPS and 66KV Switch yard at Vinzol, Ahmedabad along with Operation and Maintenance for Ten (10) years		PERIOD :	01.07.2025 To 31.07.2025

MONTHLY PROGRESS REPORT FOR MONTH JULY - 2025


Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 75 mld Capacity including Augmentation of existing TSPS and 66KV Switch yard at Vinzol, Ahmedabad along with Operation and Maintenance for Ten (10) years

MONTH – JULY - 2025

CLIENT




**THE ADDITIONAL CITY ENGINEER (DP-STP),
AHMEDABAD MUNICIPAL CORPORATION,
DRAINAGE PROJECT (STP), SARDAR PATEL BHAVAN,
DANAPITH, AHMEDABAD – 380 001**

	MONTHLY PROGRESS REPORT		REPORT No : 14	
	Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 75 MLD Capacity including Augmentation of existing TSPS and 66KV Switch yard at Vinzol, Ahmedabad along with Operation and Maintenance for Ten (10) years		PERIOD :	01.07.2025 To 31.07.2025

PROJECT INTRODUCTION

Name Of Project	Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 75 mld Capacity including Augmentation of existing TSPS and 66KV Switch yard at Vinzol, Ahmedabad along with Operation and Maintenance for Ten (10) years
Name of Client	Ahmedabad Municipal Corporation , Ahmedabad
Name of Contractor	M/s. HNB ENGINEERS PVT.LTD
Project Management Consultancy	M/s. Certification Engineers International Limited
Estimated Tender Cost	Rs. 123,51,98,637/- (Excluding GST)
Sanctioned Project Cost (A+B)	105,60,00,000.00/- (Excluding GST)
Construction cost(A)	86,56,00,000.00/- (Excluding GST)
Maintenance cost(B)	19,04,00,000.00/- (Excluding GST)
Security Deposit	4,32,80,000/- (Valid up to 30/06/2026)
Date of Starting	16/02/2024
Schedule Date of Completion	15/02/2026 (24 Month Including Monsoon)
Total time lapse	83.23%
Actual Total Progress	30.94%
Actual Civil Work Progress	31.09%
Actual Mechanical Work Progress	40.37%
Actual Piping Work Progress	23.87%
Total Financial Progress	26.97%

	MONTHLY PROGRESS REPORT	REPORT No : 14	
	Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 75 MLD Capacity including Augmentation of existing TSPS and 66KV Switch yard at Vinzol, Ahmedabad along with Operation and Maintenance for Ten (10) years	PERIOD :	01.07.2025 To 31.07.2025


SUMMARY OF THE PROJECT

S.N	Item	Rate offered in Figures
I)	Construction Phase (STP): Engineering, Procuring, providing, Constructing, Installing and Commissioning (EPC) and conducting 3 months successful trial run and acceptance test of 75MLD output capacity Sewage Treatment Plant based on Open Technology (including TSPS augmentation, 66KV switchyard, RCC cable trench, etc. all work as per scope of tender except the SITC of 11KV Power Distribution cables to be executed on Item Rate Basis) at Vinzol, Ahmedabad, along with all related mechanical & electrical equipment & accessories, instrumentation, including miscellaneous works etc. complete. (Bidder to fill up Price Schedule-B1 for Broad Unit wise Break-up) Total Price of (I), in Rs.	86,02,45,000.00
II)	Construction Phase (11KV Power Distribution Cables): SITC of 11KV (E), 3C x 240 Sqmm HT cables complete. (Bidder to fill up Price Schedule-B2 for this Item Rate work) Total Price of (II), in Rs.	53,55,000.00
III)	Operation & Maintenance phase: Operation and Maintenance of the entire proposed Sewage Treatment facilities for Ten (10) years, after commissioning the system and conducting three months successful trial run. (O&M scope includes entire facility including TSPS augmentation, 75MLD STP, 66KV switchyard, 11KV Power Distribution cables, RCC cable trench, etc. including all proposed work under the scope of this tender) (Bidder to fill up Price Schedule-C for Broad Break-up)	
	i) O&M price for first year	1,53,84,188.00
	ii) O&M price for second year	1,61,53,397.00
	iii) O&M price for third year.	1,69,22,606.00
	iv) O&M price for fourth year.	1,76,91,816.00
	v) O&M price for fifth year.	1,94,61,025.00
	vi) O&M price for Sixth year.	1,92,30,234.00
	vii) O&M price for Seventh year.	1,99,99,444.00
	viii) O&M price for Eighth year.	2,07,68,653.00
	ix) O&M price for Ninth year.	2,15,37,863.00
	x) O&M price for Tenth year.	2,32,50,774.00
	Total Price of (III), in Rs. (Σ i to x)	19,04,00,000.00
IV)	GRAND TOTAL Total Price of (I to III), in Rs.	1,05,60,00,000.00

Major Work Executed This Month (July-2025) Work Progress: -

Equalization tank

- Equalization tank excavation completed.
- Equalization tank dressing work completed.
- Compaction work in completed
- PCC work completed

	MONTHLY PROGRESS REPORT	REPORT No : 14	
		Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 75 MLD Capacity including Augmentation of existing TSPS and 66KV Switch yard at Vinzol, Ahmedabad along with Operation and Maintenance for Ten (10) years	PERIOD :

- Raft casting work completed
- Reinforcement work of wall in progress.
- On completion of 50% side walls, 100% is completed.
- On completion of 100% side walls, 75% is completed.

Chlorine contact tank


- Chlorine contact tank excavation completed.
- Chlorine contact tank dressing work Completed.
- Compaction work is completed.
- PCC work completed.
- CCT tank raft completed
- Wall steel binding work of wall in progress.
- Wall foam work and casting work in progress.
- On completion of 50% side walls are completed.
- On completion of 100% side walls 95% are completed

Sequential batch reactor (SBR) Basin

- Sequential batch reactor (SBR) Basin excavation work completed.
- Sequential batch reactor (SBR) Basin dressing work pending.
- Compaction and dressing work is completed.
- PCC completed at basin 2,3, 4, 5 and 6.
- PCC Work in progress at basin 1 and 6.
- Raft footing casting work 85% is completed
- Reinforcement work at SBR basin 6 and 4 wall footing area in progress.

Booster pump room, Toner room, Scrubber platform

- Booster pump room, Toner room, Scrubber platform excavation work completed.
- Booster out and dressing work completed.
- Booster pump room, Toner room, Scrubber platform PCC pump room, Toner room, Scrubber platform line completed and footing work completed

	MONTHLY PROGRESS REPORT		REPORT No : 14	
	Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 75 MLD Capacity including Augmentation of existing TSPS and 66KV Switch yard at Vinzol, Ahmedabad along with Operation and Maintenance for Ten (10) years		PERIOD :	01.07.2025 To 31.07.2025

- Booster pump room, Toner room, Scrubber platform PCC pump room, Toner room, Scrubber platform column and beam completed up to plinth level.

Administrative building

- Excavation work completed
- Dressing work in completed.
- PCC of footing completed.
- Footing with column up to below ground beam completed
- PCC done below ground beam
- Ground beam completed.
- Column up to slab level in completed
- 1st floor slab reinforcement work in progress

MCC building


- Excavation work partly completed
- Layout of footing done partially
- 75% of Raft footings and columns are completed up to ground beam

PTU



- Excavation work in progress.
- PCC work in progress.
- Inlet chamber and Screen chamber footings and column completed up to ground beam level.

Belt filter room



- Dressing and PCC work in progress.
- Raft footing casting work in progress.
- Centrifuge tank wall 75% completed

	MONTHLY PROGRESS REPORT		REPORT No : 14	
	Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 75 MLD Capacity including Augmentation of existing TSPS and 66KV Switch yard at Vinzol, Ahmedabad along with Operation and Maintenance for Ten (10) years		PERIOD :	01.07.2025 To 31.07.2025


PHOTOGRAPHS

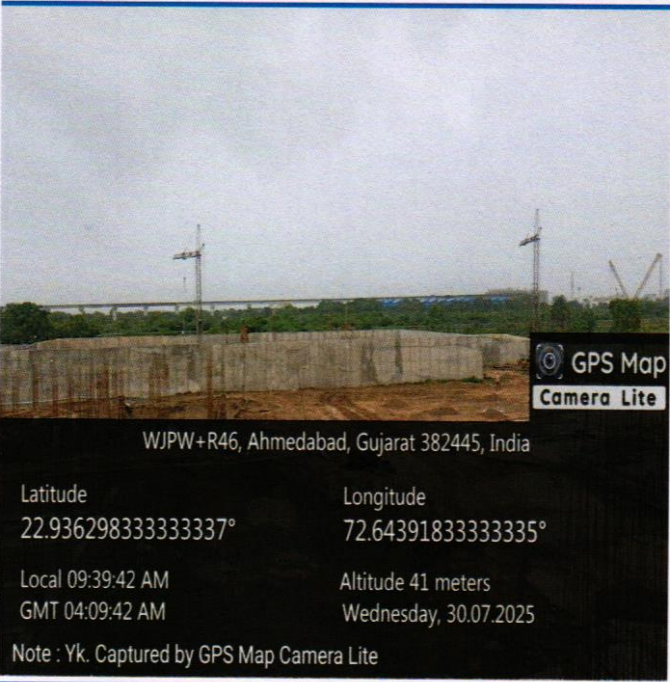
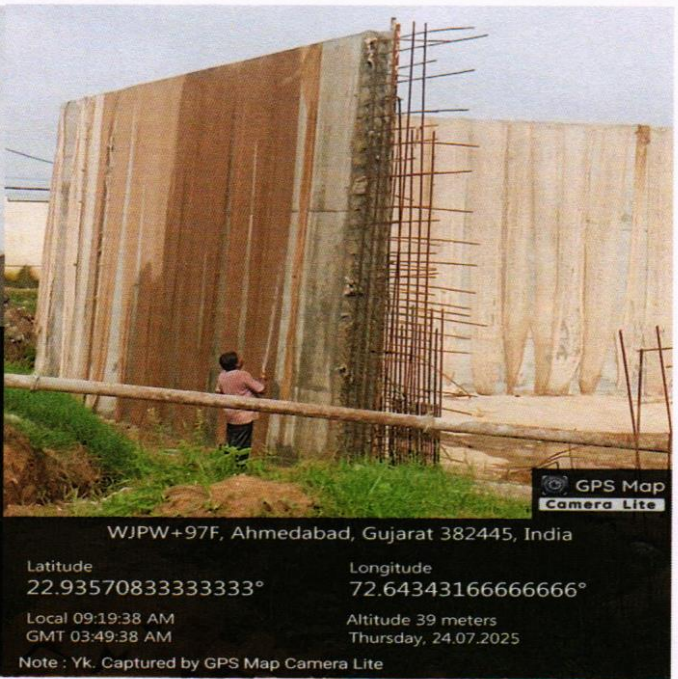
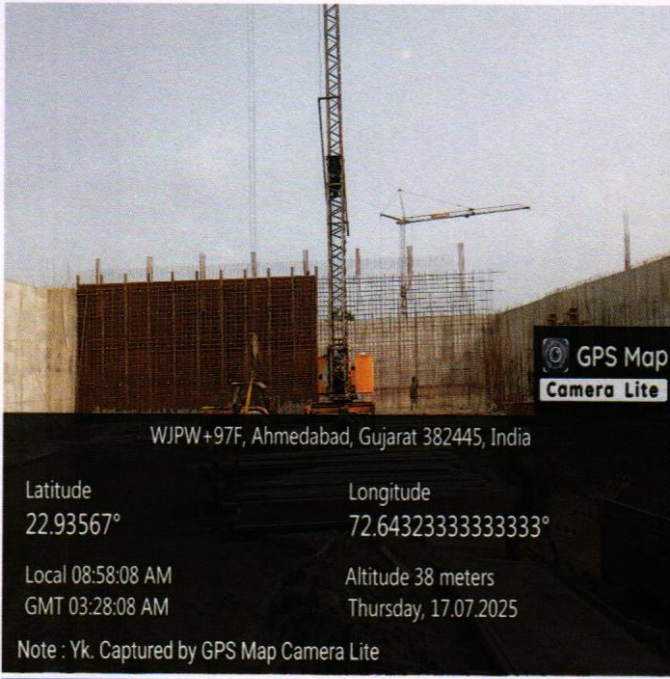
			
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Note : Yk. Captured by GPS Map Camera Lite		Note : Yk. Captured by GPS Map Camera Lite	

FORM WORK AT ADMIN BUILDING COLUMNS


	
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CURING AND CATING WORK AT BELT FILTER

	MONTHLY PROGRESS REPORT		REPORT No : 14	
	Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 75 MLD Capacity including Augmentation of existing TSPS and 66KV Switch yard at Vinzol, Ahmedabad along with Operation and Maintenance for Ten (10) years		PERIOD :	01.07.2025 To 31.07.2025



CURING AND FORM WORK AT EQUALIZATION TANK

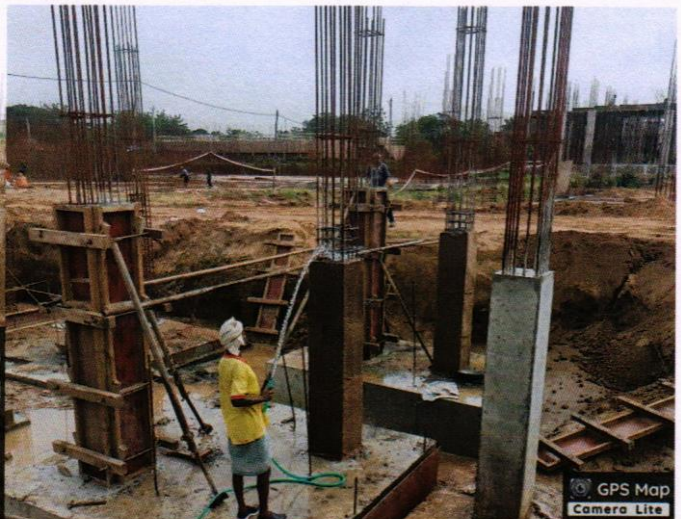
	MONTHLY PROGRESS REPORT		REPORT No : 14	
	Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 75 MLD Capacity including Augmentation of existing TSPS and 66KV Switch yard at Vinzol, Ahmedabad along with Operation and Maintenance for Ten (10) years		PERIOD :	01.07.2025 To 31.07.2025



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Note : Yk. Captured by GPS Map Camera Lite




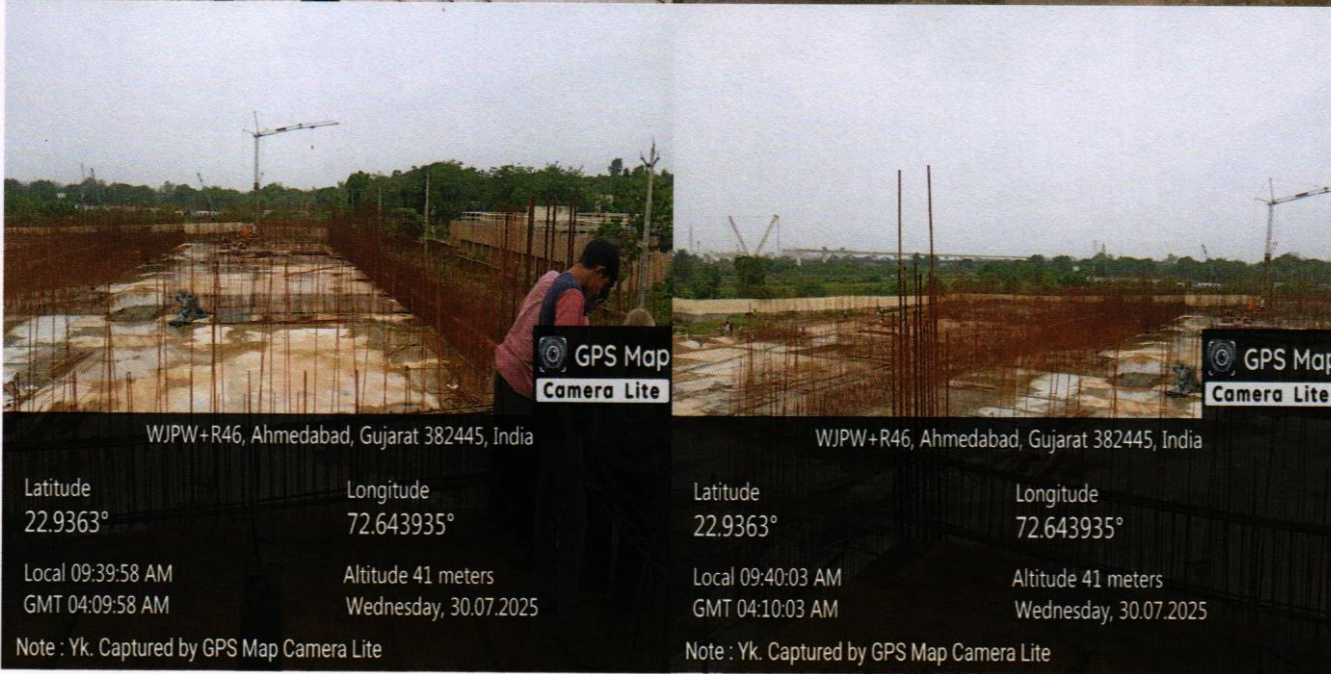
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Note : Captured by GPS Map Camera Lite

CURING AND COLUMN CASTING WORK AT PTU

	MONTHLY PROGRESS REPORT	REPORT No : 14	
		Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 75 MLD Capacity including Augmentation of existing TSPS and 66KV Switch yard at Vinzol, Ahmedabad along with Operation and Maintenance for Ten (10) years	PERIOD :



RAFT FOOTING CASTING WORK AT SBR BASIN

C.C. PATEL AND ASSOCIATES PVT.LTD.
MONTHLY PROJECT MONITORING / PROGRESS REPORT UP TO 03/08/2025

4676

AHMEDABAD MUNICIPAL CORPORATION

Engineering, Procuring, Constructing, Commissioning
(EPC) of Sewage Treatment Plant of 30 MLD Capacity
including Operation and Maintenance for Ten (10) years
in T.P.-43, F.P.-221+222 at Sola Area in Northwest Zone
of AMC.



MONTHLY PROGRESS REPORT

Up to 03/08/2025

C.C. PATEL AND ASSOCIATES PVT.LTD.
MONTHLY PROJECT MONITORING/PROGRESS REPORT UP TO 03/08/2025

4677

1.Overall Project Review

Name of Work	Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 30 MLD Capacity including Operation and Maintenance for Ten (10) years in T.P.-43, F.P.-221+222 at Sola Area in Northwest Zone of AMC.
Location	Sola TP No.43
Name of Client	Ahmedabad Municipal Corporation
Name of Contractor/Agency	HNB PVT. LTD.
Name of PMC/TPI Agency	C.C. Patel & Associates Pvt. Ltd.
Name of Consultant	Green Design & Engineering services Pvt. Ltd.
Above/Below in%	17.19 % Below
Tender Cost	61,77,00,000.00 INR
Estimated Tender cost	74,59,82,251.00 INR (Excluding GST)
Date of workorder	11-03-2024
Work start date	01-08-2024
Project Duration	18 months (Including of Monsoon period)
Expected Date of Completion	31-01-2026
Physical Progress in %	65%
Time limit completed in %	67%

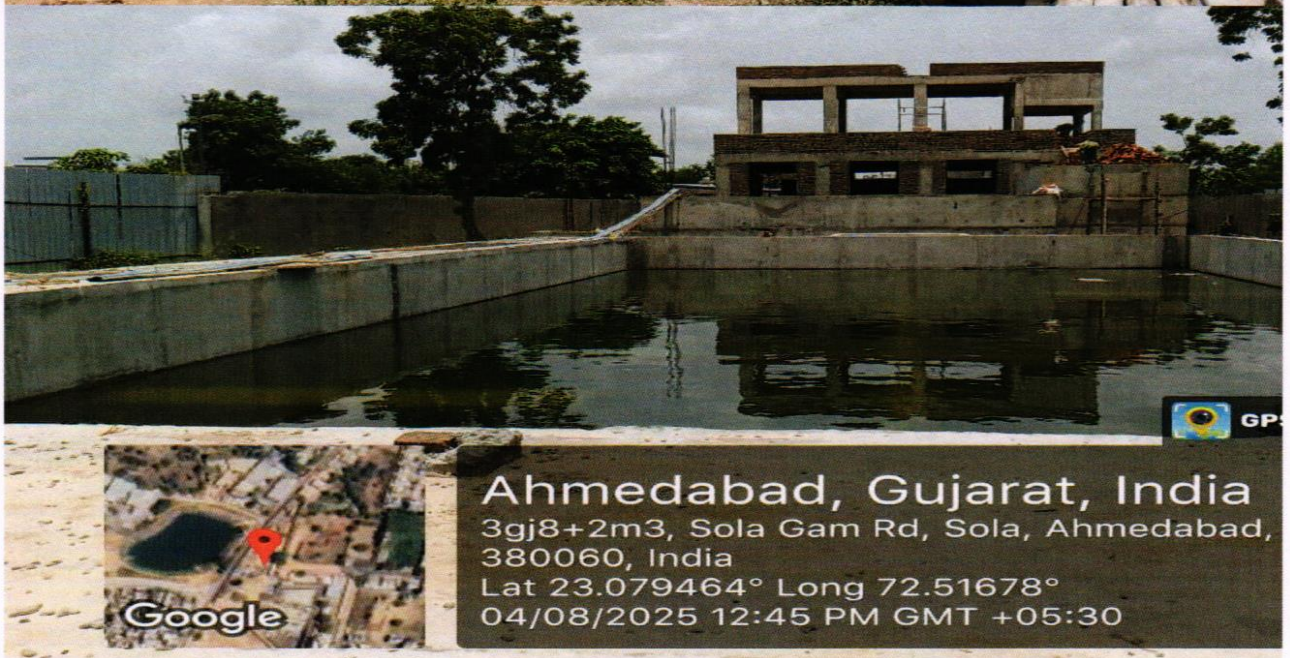
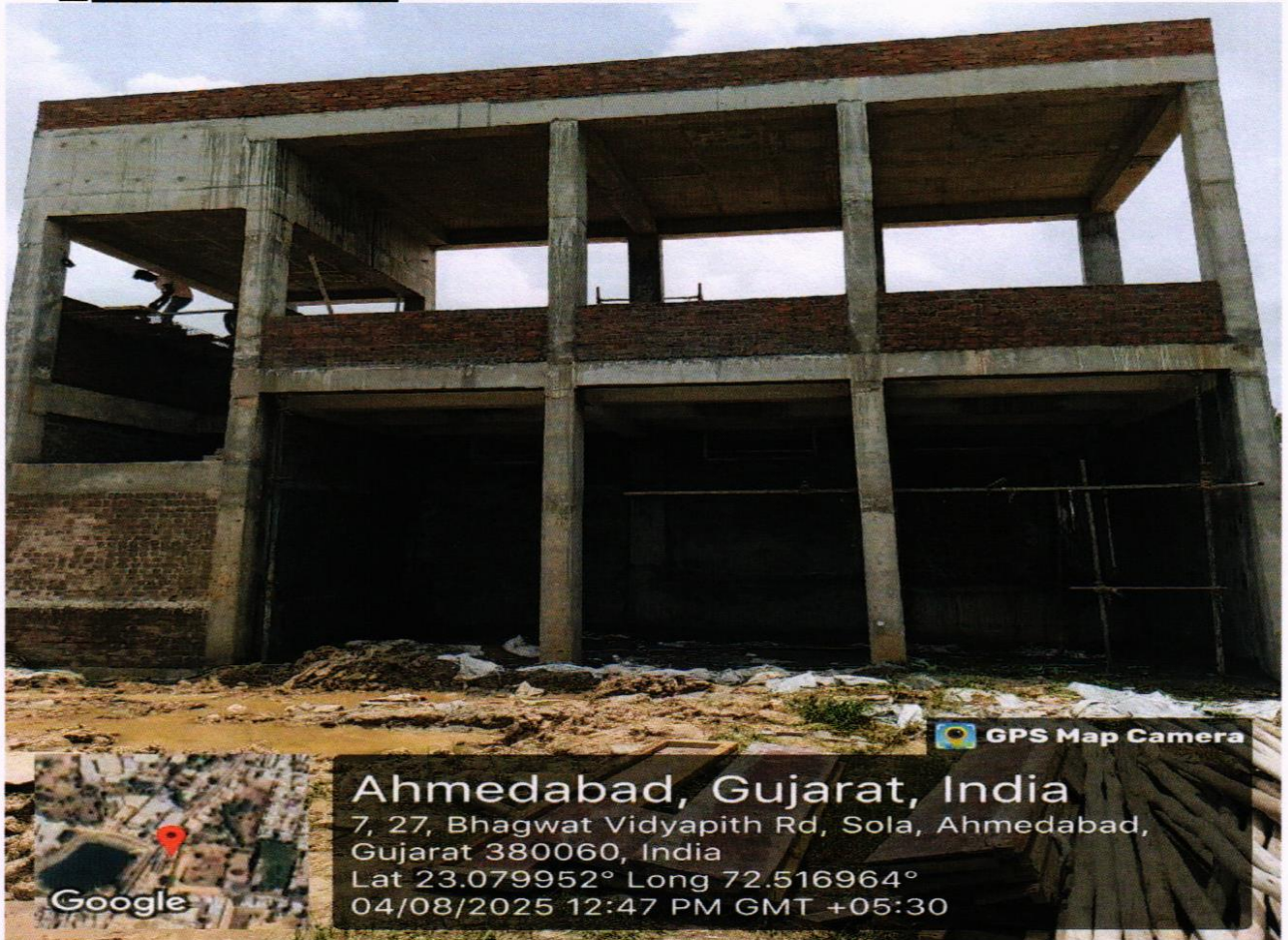
C.C. PATEL AND ASSOCIATES PVT.LTD.
MONTHLY PROJECT MONITORING/PROGRESS REPORT UP TO 03/08/2025

4678

2.Details of major work done

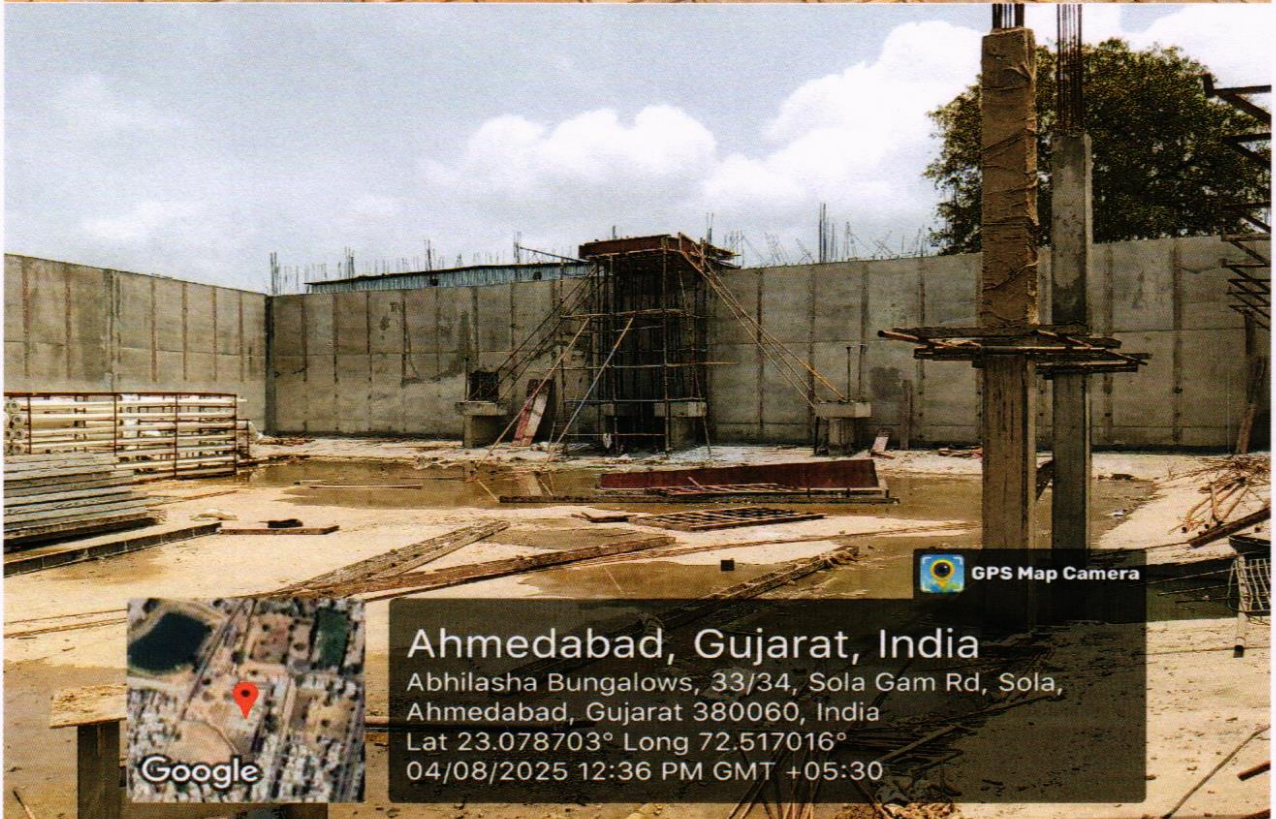
Detail of Structure	% Work done till date
Civil Works	
SEWAGE PUMPING STATION (SPS)	43.0%
PTU - INLET CHAMBER	80.0%
PTU - MECHANICAL FINE SCREEN CHANNEL	40.0%
PTU - GRIT CHAMBER	40.0%
SEQUENTIAL BATCH REACTOR (SBR) BASIN	77.0%
CHLORINE CONTACT TANK	94.0%
CHLORINATION ROOM & TONNER YARD	80.0%
CENTRIFUGE FEED PUMP HOUSE	80.0%
CENTRIFUGE PLATFORM (G+1)	80.0%
SLUDGE SUMP & POLY DOSING TANK	93.0%
AIR BLOWER ROOM & MCC PANEL ROOM FOR SBR	65.0%
ADMINISTRATIVE BUILDING (G+1)	40.0%
FIBER DISC FILTERATION UNIT	-
SECURITY CABIN	80.0%
COMPOUND WALL WITH GATES	19.8%
ROADS & PATHWAY	-
Mechanical Works	
Sewage Pumping Station - Submersible Pumps	75%
Sewage Pumping Station - Odor Control System	-
PTU: Mechanical Fine Screen	-
PTU: Gates	-
PTU: Grit Mechanism	75%
PTU - Odor Control System	-
SBR: Decanters	75%
SBR: RAS & SAS Pumps	75%
SBR: Air Grid & Diffusers	75%
SBR: Air Blowers	75%
SBR: Gates	-
Chlorination System & Booster pumps	-
Chlorine Tonners	75%
Sludge Dewatering Mechanism	75%
Sludge Sump Air Blowers	75%
Sludge Dewatering Feed Pumps	-
Polyelectrolyte Agitator & Dosing Pumps	75%
Fiber Disc Filter Mechanism	-

3. Site photographs



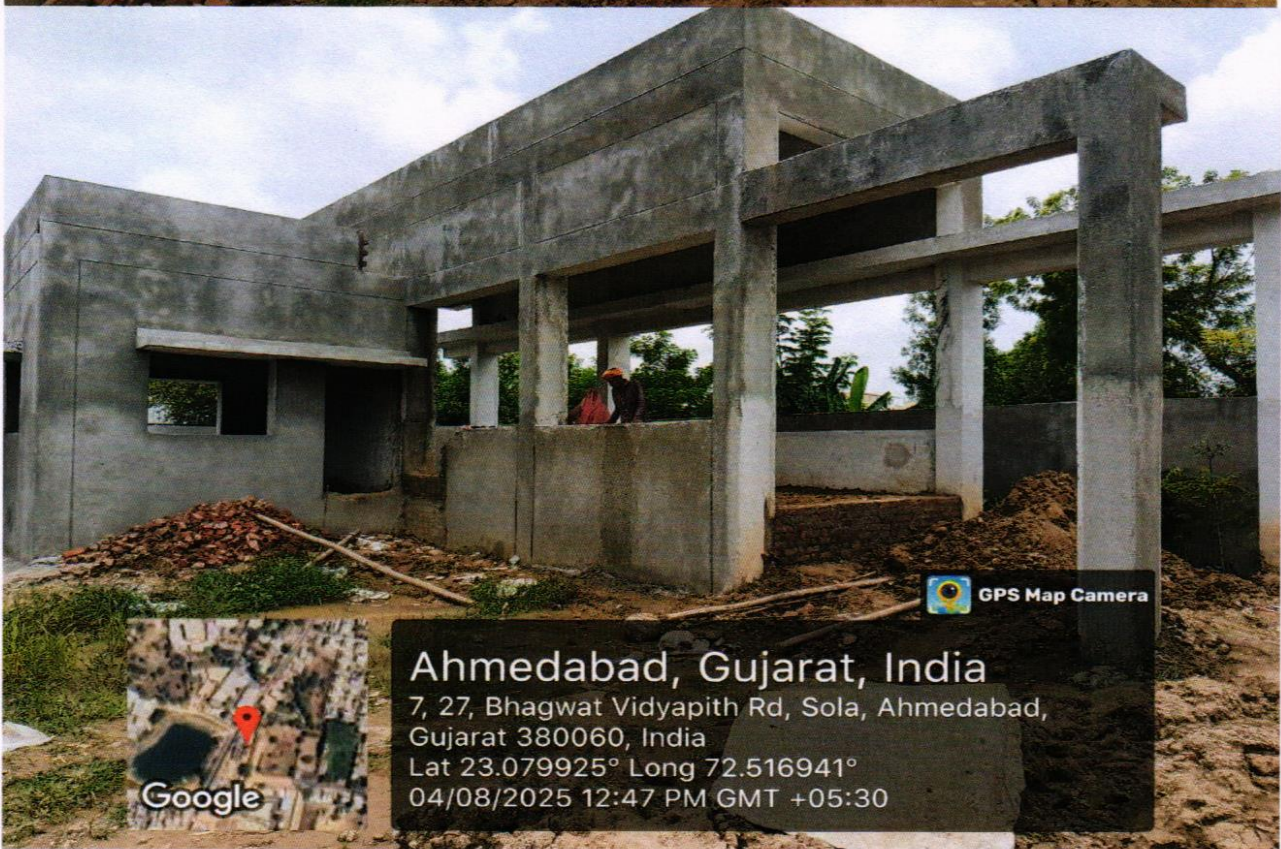
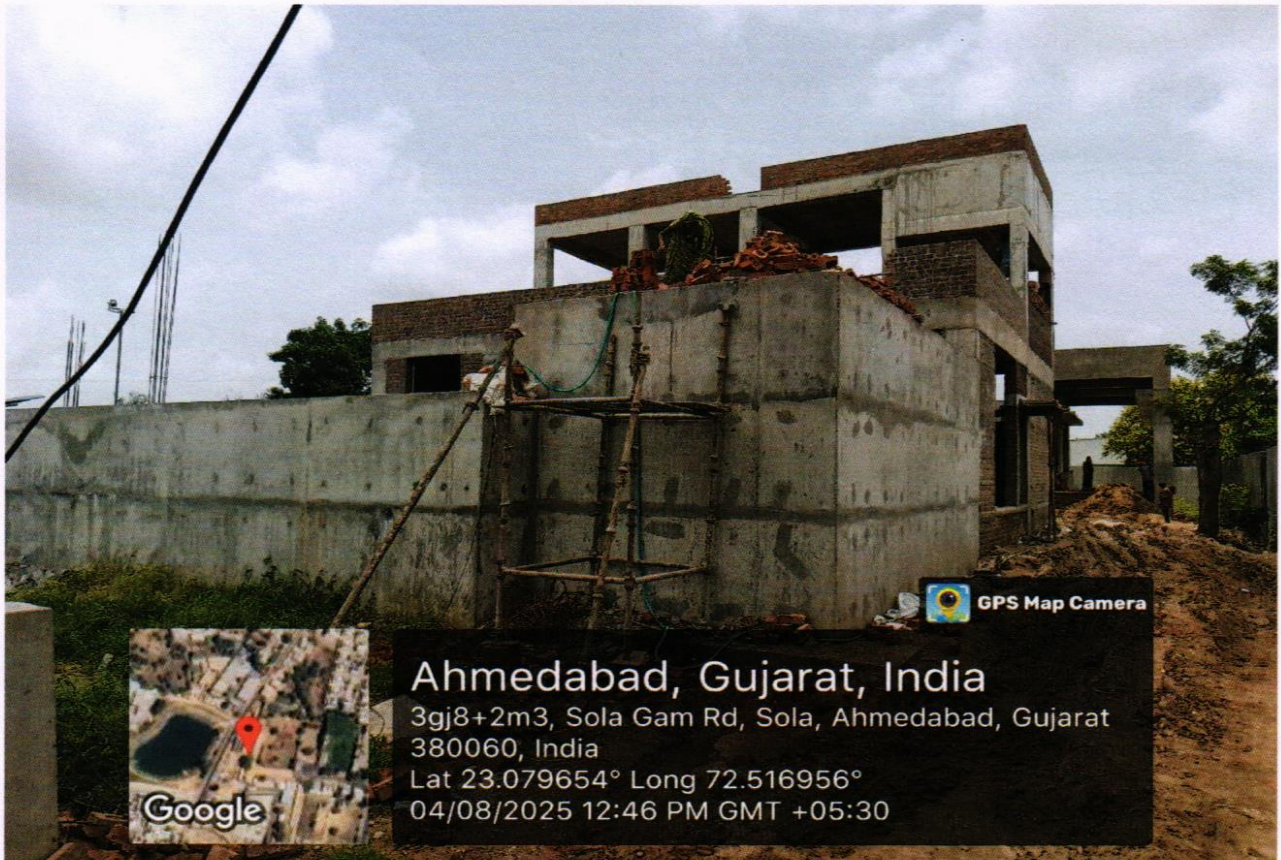
C.C. PATEL AND ASSOCIATES PVT.LTD.
MONTHLY PROJECT MONITORING/PROGRESS REPORT UP TO 03/08/2025

4680



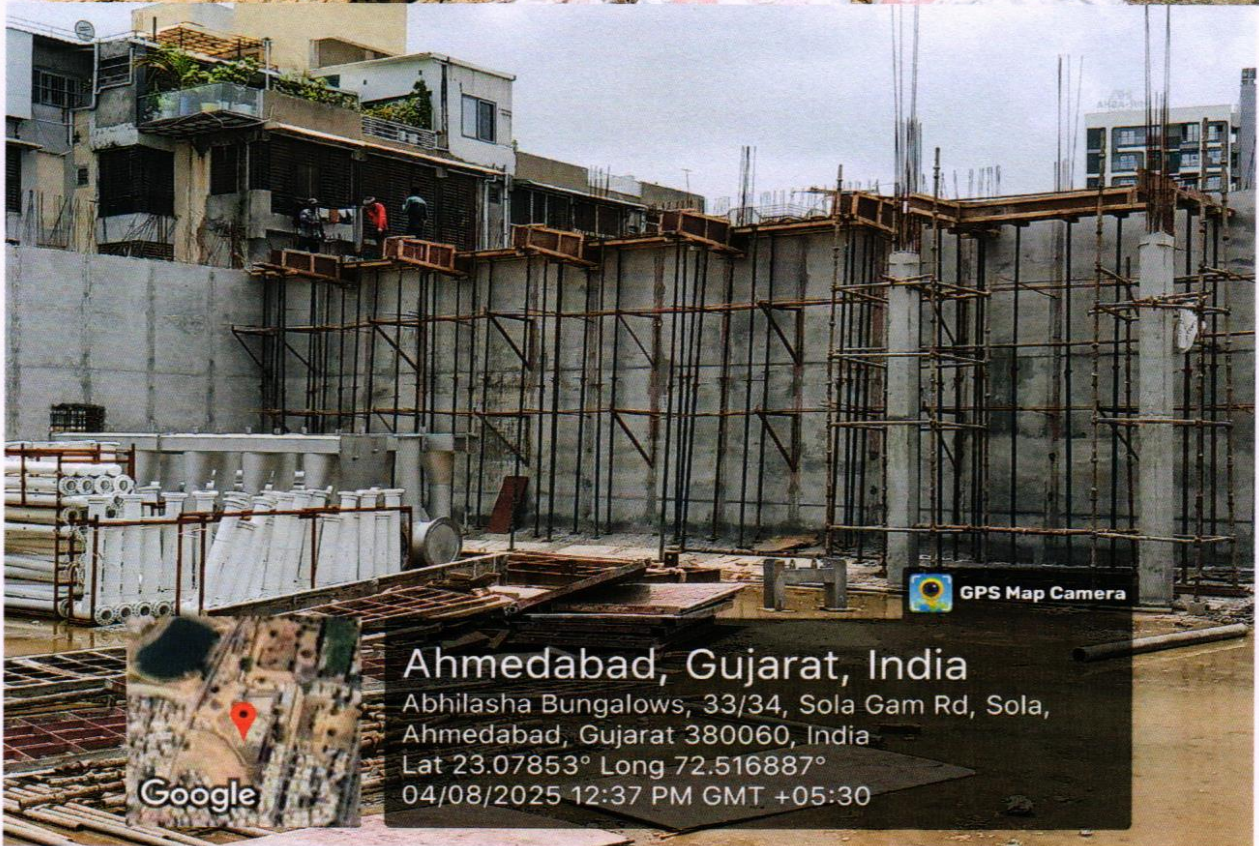
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MONTHLY PROJECT MONITORING/PROGRESS REPORT UP TO 03/08/2025

4681



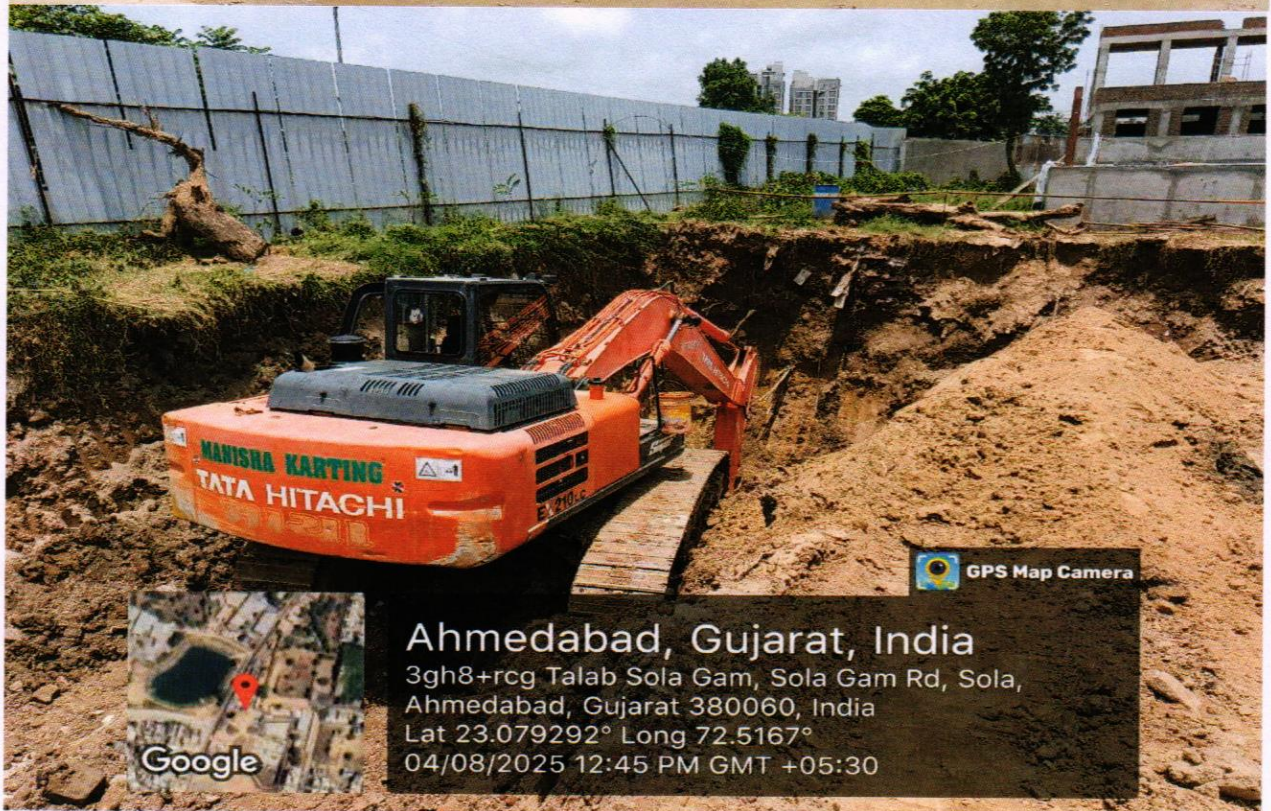
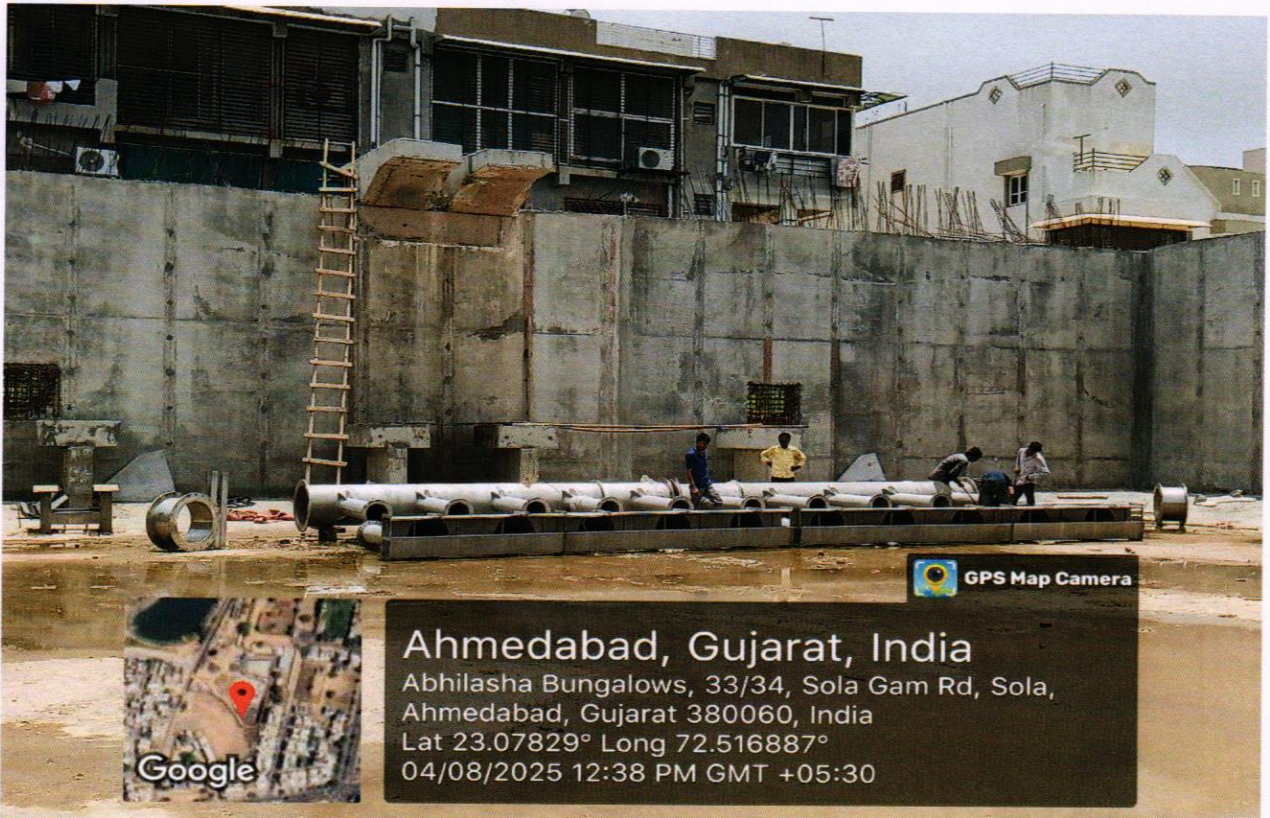
C.C. PATEL AND ASSOCIATES PVT.LTD.
MONTHLY PROJECT MONITORING/PROGRESS REPORT UP TO 03/08/2025

4682



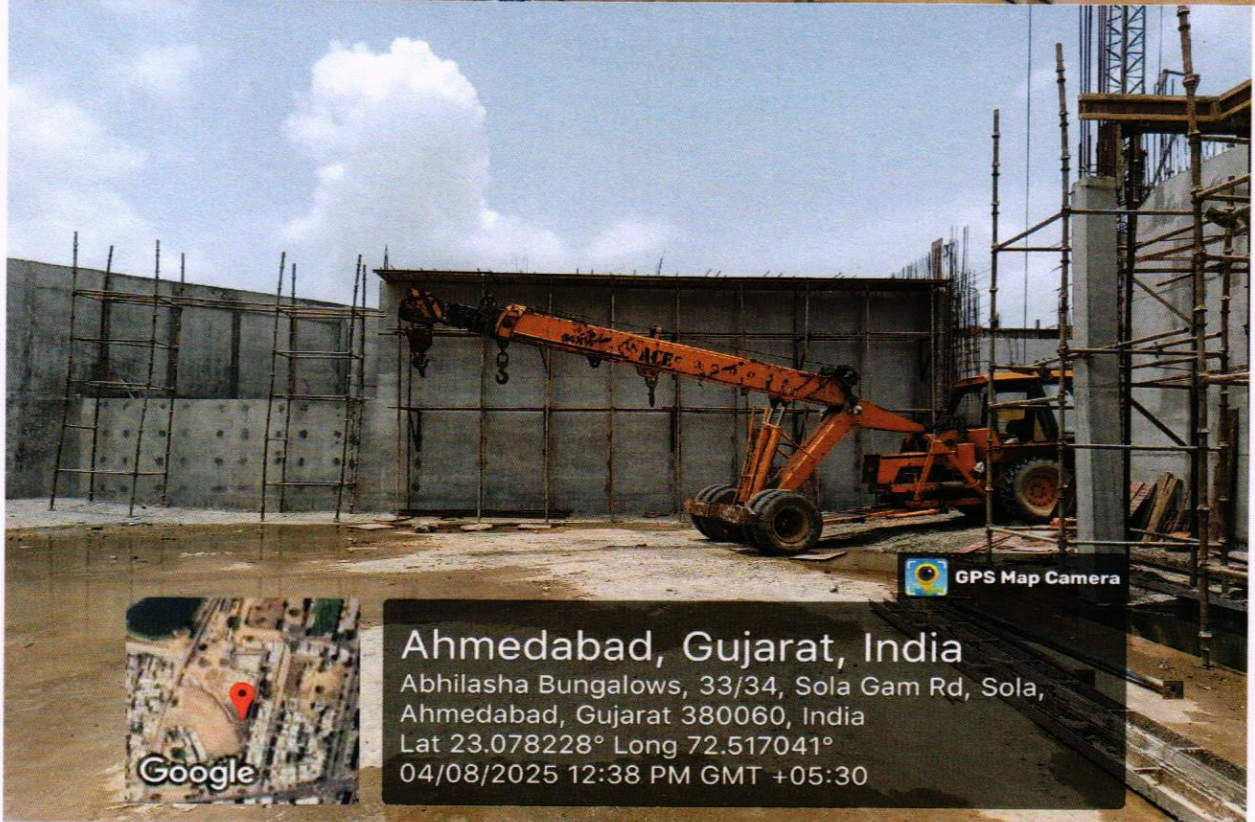
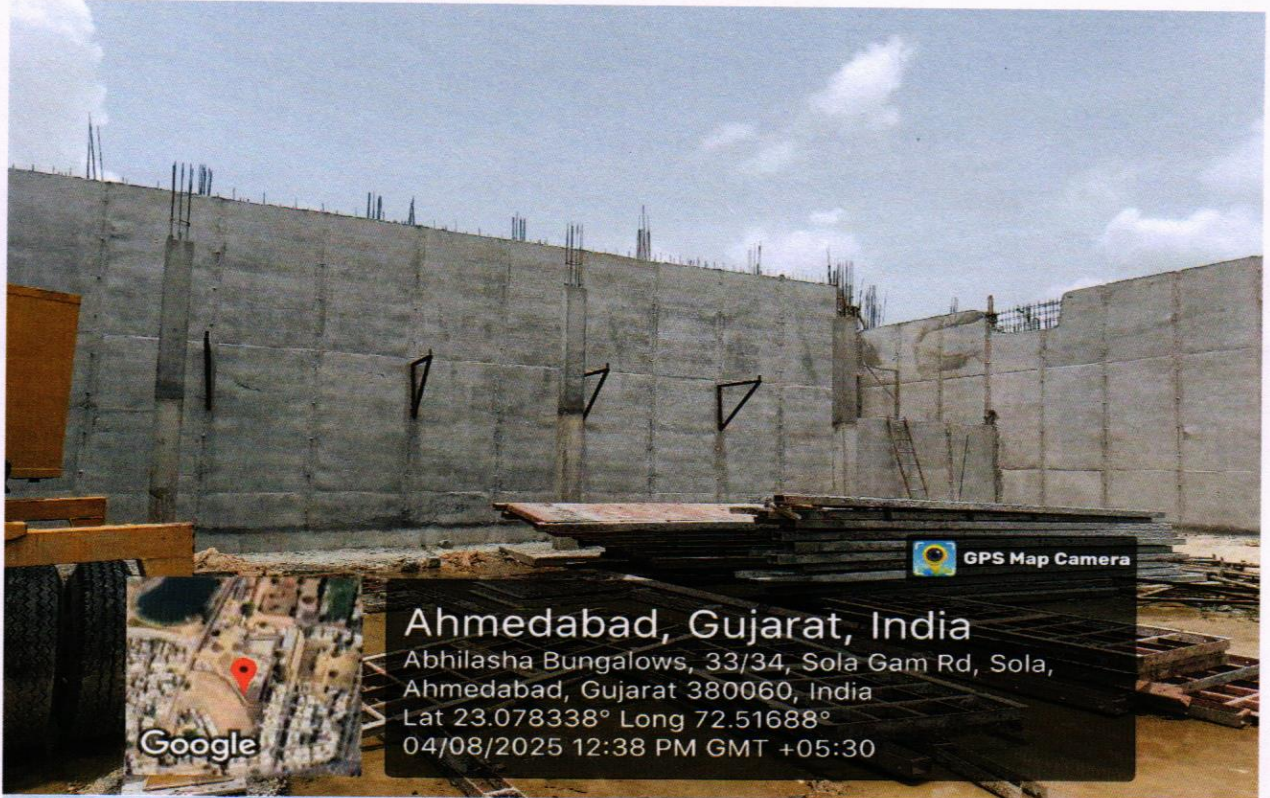
C.C. PATEL AND ASSOCIATES PVT.LTD.
MONTHLY PROJECT MONITORING/PROGRESS REPORT UP TO 03/08/2025


4683



C.C. PATEL AND ASSOCIATES PVT.LTD.
MONTHLY PROJECT MONITORING/PROGRESS REPORT UP TO 03/08/2025

4684



	MONTHLY PROGRESS REPORT		REPORT No: 12	
	Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 15 MLD Capacity including Operation and Maintenance for Ten (10) years in T.P.-34, F.P.-87 at Jagatpur Area in Northwest Zone of AMC.		PERIOD:	01.07.2025 To 31.07.2025

MONTHLY PROGRESS REPORT FOR MONTH JULY- 2025


Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 15 MLD Capacity including Operation and Maintenance for Ten (10) years in T.P.-34, F.P.-87 at Jagatpur Area in Northwest Zone of AMC.

MONTH-JULY-2025

CLIENT



**THE ADDITIONAL CITY ENGINEER (DP-STP),
AHMEDABAD MUNICIPAL CORPORATION,
DRAINAGE PROJECT (STP), SARDAR PATEL BHAVAN,
DANAPITH, AHMEDABAD – 380 001**


	MONTHLY PROGRESS REPORT	REPORT No: 12	
	Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 15 MLD Capacity including Operation and Maintenance for Ten (10) years in T.P.-34, F.P.-87 at Jagatpur Area in Northwest Zone of AMC.	PERIOD:	01.07.2025 To 31.07.2025

PROJECT INTRODUCTION

Name Of Project	Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 15 MLD Capacity including Operation and Maintenance for Ten (10) years in T.P.-34, F.P.-87 at Jagatpur Area in Northwest Zone of AMC.
Name of Client	Ahmedabad Municipal Corporation, Ahmedabad
Name of Contractor	M/s. Rajkamal Builders Infrastructure Pvt. Ltd.
Project Management Consultancy	M/s. Certification Engineers International Limited
Estimated Tender Cost	Rs. 40,99,39,927.00/- (Excluding GST)
Sanctioned Project Cost (A+B)	Rs. 49,92,00,000.00/- (Excluding GST)
Construction cost(A)	Rs. 46,08,00,000.00/- (Excluding GST)
Maintenance cost(B)	Rs. 3,84,00,000.00/- (Excluding GST)
Date of Starting	01/08/2024
Schedule Date of Completion	31/01/2026 (18 Month Including Monsoon)
Actual Progress	61.00%

Contractor Engineer & Staff Details

Sr.no	Description	Required as per Tender	Current status
1	Construction manager	-	1
2	Jr. Engineer	-	2
3	Supervisor	-	2
4	Electrician	-	1

	MONTHLY PROGRESS REPORT		REPORT No: 12	
	Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 15 MLD Capacity including Operation and Maintenance for Ten (10) years in T.P.-34, F.P.-87 at Jagatpur Area in Northwest Zone of AMC.		PERIOD:	01.07.2025 To 31.07.2025

Details of Machine available at site

Sr. no	Machinery/Instrument Details	Nos	Status
1	Auto Level/Dumpy Level with Staff	1	Working
2	Cube testing Machine	1	Working
3	Slump Cone	1	Working
4	Cube Mould	30	Working

Equipment Calibration

Sr. no	Description	Current status
1	RMC Plant	Not installed at site
2	Cube testing machine	28/11/2024 To 27/11/2025
3	Weighing scale	Not installed at site


Man Power & Machinery Details

• Manpower details

Sr. no	Description	As per Tender specification	Current status
1	Skilled labor	Not specifically mentioned	22
2	Unskilled labor	Not specifically mentioned	22

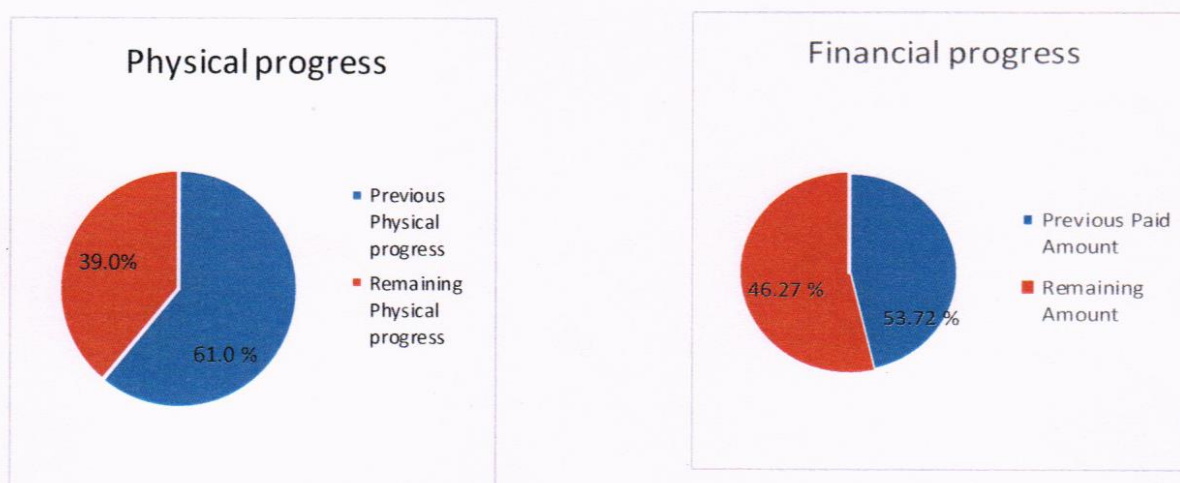
• Machinery details

Sr. no	Description	As per Tender specification	Current status
1	Hydra	Not specifically mentioned	1

	MONTHLY PROGRESS REPORT	REPORT No: 12	
		Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 15 MLD Capacity including Operation and Maintenance for Ten (10) years in T.P.-34, F.P.-87 at Jagatpur Area in Northwest Zone of AMC.	PERIOD:


Physical & Financial Progress Details

Pie Chart till JULY – 2025



This Month JULY-2025 Work Progress: -

1. Pumping 3rd Lift Work complete.
2. PCC, Column & Grade Slab Casting at S.C. & H.T. Room.
3. HT & SC Slab Casting.
4. 1st Lift shuttering Work CCT.
5. 2nd Lift Wall Steel Binding at Progress CCT.
6. PCC at outer side SBR Wall Continues.
7. Admin Building and Air Bloor Slab Casting.
8. Brick Work at Air Blower & LT room Progress.
9. Final Fifth Wall Casting at SBR In Progress.
10. Centrifuge Building Column, Beam Casting.


	MONTHLY PROGRESS REPORT		REPORT No: 12	
	Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 15 MLD Capacity including Operation and Maintenance for Ten (10) years in T.P.-34, F.P.-87 at Jagatpur Area in Northwest Zone of AMC.		PERIOD:	01.07.2025 To 31.07.2025

Work status- Next Month

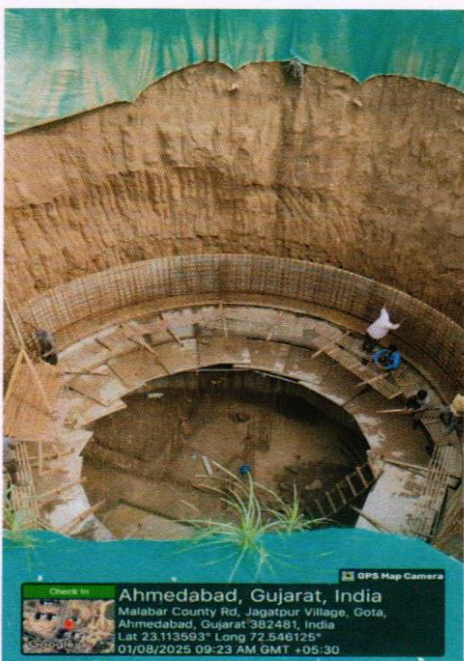
- Casting Of Outer Wall CCT.
- Casting of Outer Wall SPS.
- Casting Of Column and Slab at Centrifuge Building
- Casting Of Column and Slab at Admin Building
- Excavation, PCC And Footing for PT Unit, And Disk Filter Unit.
- Balance Work in SBR Unit.
- Finishing Work at Building Unit.

Conclusion

The quality of materials used and materials procured & workmanship of finished products has been satisfactory. So far, the quality of the works required as per the tender specifications and the quality of the executed works has been found satisfactory.

	MONTHLY PROGRESS REPORT		REPORT No: 12	
	Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 15 MLD Capacity including Operation and Maintenance for Ten (10) years in T.P.-34, F.P.-87 at Jagatpur Area in Northwest Zone of AMC.		PERIOD:	01.07.2025 To 31.07.2025

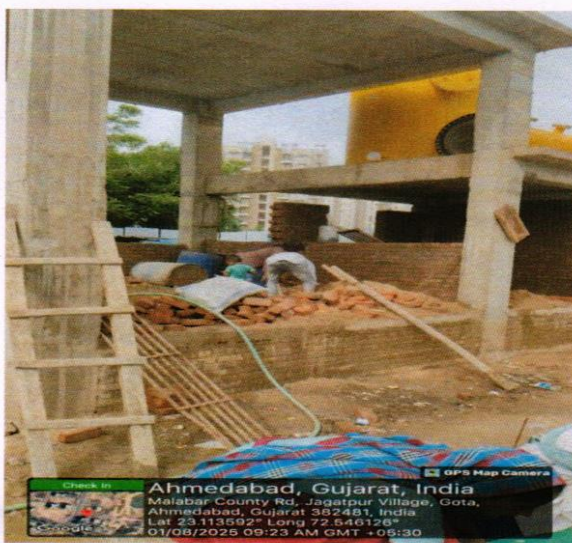
PHOTOGRAPHS



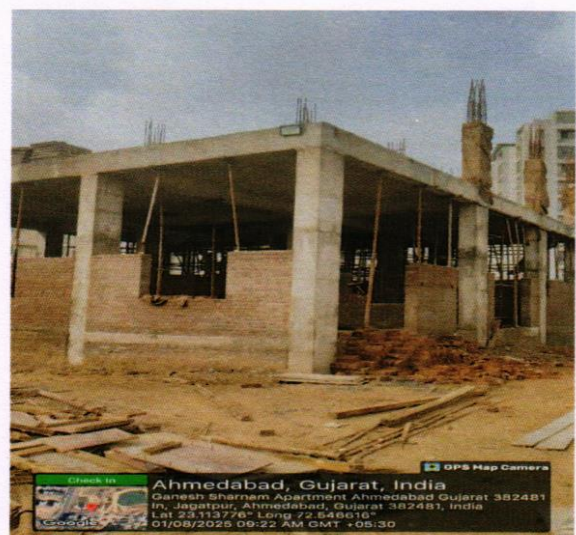
Sewage Pumping Station 4th lift




CCT 1st Lift Shuttering



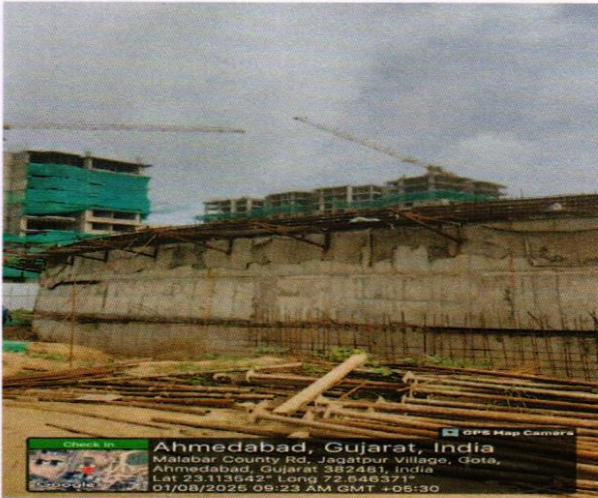
HT Room & Security Cabin



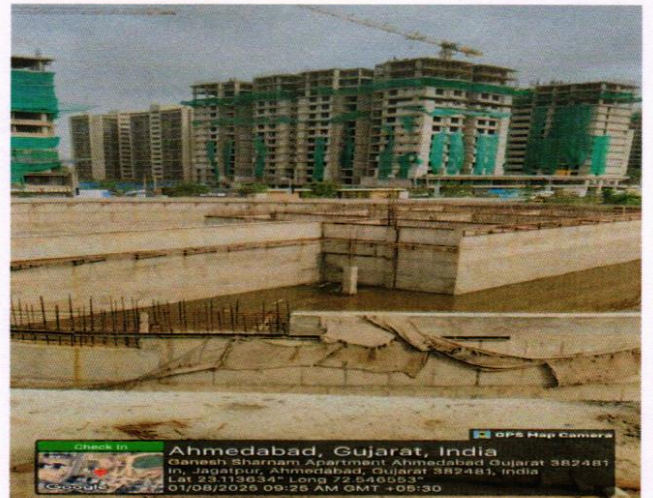
Admin Building & Air Bloom Room

	MONTHLY PROGRESS REPORT	REPORT No: 12	
		PERIOD:	01.07.2025 To 31.07.2025

Engineering, Procuring, Constructing, Commissioning (EPC) of Sewage Treatment Plant of 15 MLD Capacity including Operation and Maintenance for Ten (10) years in T.P.-34, F.P.-87 at Jagatpur Area in Northwest Zone of AMC.

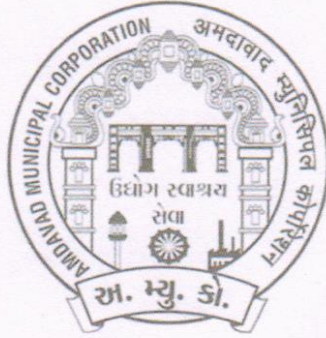


SBR 5th Lift in Progress



SBR 5th Lift in Progress

Thank You



**BLUE-PRINT OF THE SEWAGE TREATMENT
INFRASTRUCTURE CATERING THE NEEDS OF
AHMEDABAD CITY; AND ROAD-MAP FOR ITS
AUGMENTATION AND UPGRADATION**

Progress Report-9

(Position as on 1st August 2025)

PREPARED BY:

AHMEDABAD MUNICIPAL CORPORATION

SUBMITTED TO:

HON'BLE HIGH COURT OF GUJARAT

August 2025

Location of STPs and their catchment area

The existing Sewage Treatment Plants in AMC area are serving to four (4) catchment areas comprises of New Pirana, Old Pirana and Vinzol on eastern side and Vasna on western side. The detail of these catchments and STPs are given below.

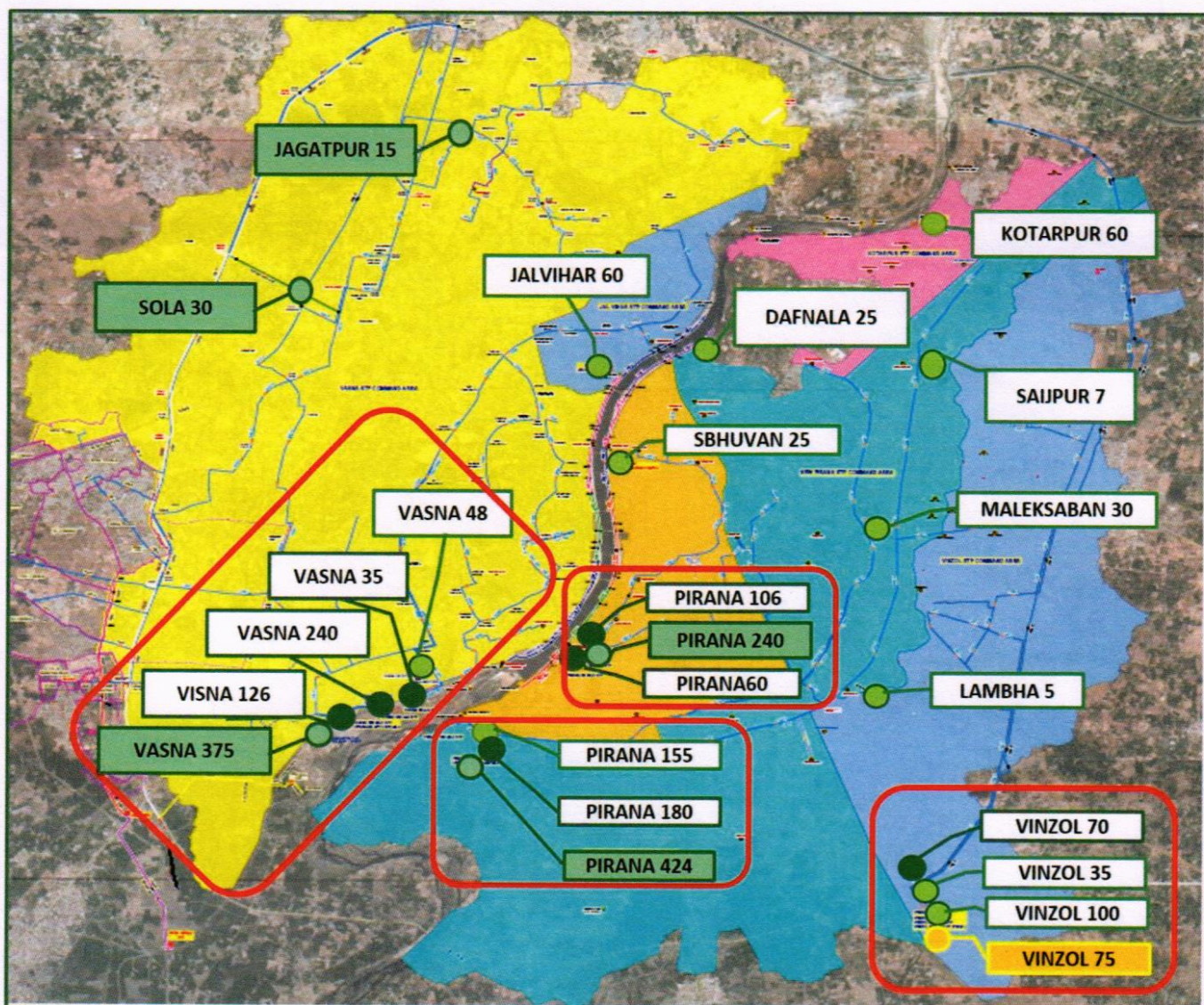


Figure: STPs and their catchment areas

1.1 Updated overview of existing Sewage Infrastructure (as on 01.08.2025)

STP name	Capacity (MLD)	Actual utilization (MLD)	Efficiency(%)	Actual utilization (MLD)	Efficiency (%)
		Originally as given in Blue print dated 9.4.2024		Updated as on 1 st August 2025	
Old Pirana	106	75	70.75%	100	94.33%
Old Pirana	60	33	50%	60	100%
Shankarbhuvan	25	25	100%	25	100%
New Pirana	180	180	100%	180	100%
New Pirana	155	155	100%	155	100%
Kotarpur	60	18	30%	40	66.6%
Maleksaban	30	23 (past average)	75%	30	100%
Vasna	126	75	59.5%	95	75.4%
Vasna	35	18	57%	35	100%
Vasna	240	180	75%	210	87.5%
Vasna	48	48	100%	48	100%
Jalvihar	60	60	100%	60	100%
Vinzol	70	70	100%	70	100%
Vinzol	35	35	100%	35	100%
Vinzol	100	100	100%	110	110%
Lambha	5	5	100%	5	100%
Total	1335	1100	83%	1258	94.2%

1.2 Updated status of planning of existing Sewage Infrastructure Augmentation and Upgradation (as on 1st August 2025)

106 MLD Old Pirana Sewage Treatment Plant (status as on 09.04.2024, in the original Blue Print, is at pg. 2458)

1. General details:

Location	: Old Pirana, Baherampura
Year of commissioning	: 2005
Treatment Technology	: Upflow Anaerobic Sludge Blanket Reactor (UASB)
Designed capacity	: 106 Million Liters per Day

2. Capacity utilisation :

Design Capacity	Waste water received	Waste water treated	Utilisation/Efficiency
106 MLD	100 MLD	100 MLD	94.3%

3. Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline (as committed in the original Blue Print)	Current Status (as on 01.08.2025)
Optimum Utilisation of plant capacity	<u>Short-term solution:</u> Diversion of 35 MLD excess flow from Maninagar line in 106 MLD STP with cost of 12.09 Cr.	18 Months (ongoing) Work Start: September 2023 Work Completion: March 2025 (which is revised as July 2024)	<ul style="list-style-type: none"> Completed. The plant is receiving 95-100 MLD Sewage flow.
Upgrade STP for Existing Design norms	<u>Mid-term solution:</u> Removal of deposited sludge from UASB basins, Screen chamber, distribution box and primary treatment unit repairing, reactor and lagoon overhauling with Panels, Cables and lighting with cost of 3.34 Cr.	9 Months Work Start: June 2024 Work Completion: February 2025	<ul style="list-style-type: none"> The work is completed.
Upgrade STP for NGT norms	<u>Long-term solution:</u> Tender has been invited for HAM PPP model based STP with 240 MLD Capacity.	24 Months Work Start: June 2024 Work Completion: June 2026	<ul style="list-style-type: none"> As earlier work of 240 MLD STP and 160 MLD TTP cancelled by the Standing Committee decision has been taken for 150 MLD STP + 40 MLD TTP along with upgradation of existing 60 MLD STP Pirana. Tender preparation for 150 MLD STP with 100 MLD TTP and upgradation of 60 MLD STP is under progress.

60 MLD Old Pirana Sewage Treatment Plant

(status as on 09.04.2024, in the original Blue Print, is at pg. 2459)

1. General details:

Location	Old Pirana, Baherampura
Year of commissioning	: 2010
Treatment Technology	: Activated Sludge Process (ASP)
Designed capacity	: 60 Million Liters per day

2. Design Capacity and actual utilisation:

Design Capacity	Waste water received	Waste water treated	Utilisation/Efficiency
60 MLD	60 MLD	60 MLD	100%

3. Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
Optimum Utilisation of plant capacity	<u>Short-term solution:</u> Maintenance of flow meters and pending overhauling works of pumping station to divert 28 MLD flow to the STP	1 Month (ongoing) Work Start: April 2024 Work Completion: 30 April 2024	The work has been completed.
Upgrade STP for Existing Design norms	<u>Short-term solution:</u> Upgradation of STP had been taken up with cost of 5.45 Cr.	Completed	The work has been completed.
Upgrade STP for NGT norms	<u>Long-term solution:</u> Tender has been invited for HAM PPP model based STP with 240 MLD Capacity.	24 Months Work Start: June 2024 Work Completion: June 2026	<ul style="list-style-type: none"> As earlier work of 240 MLD STP and 160 MLD TTP cancelled by the Standing Committee decision has been taken for 150 MLD STP + 40 MLD TTP along with upgradation of existing 60 MLD STP Pirana. Tender preparation for 150 MLD STP with 100 MLD TTP and upgradation of 60 MLD STP is under progress.

180 MLD New Pirana Sewage Treatment Plant

(status as on 09.04.2024, in the original Blue Print, is at pg. 2460)

1. General details:

Location	New Pirana
Year of commissioning	: 2009
Treatment Technology	: Activated Sludge Process (ASP)
Designed capacity	: 180 Million Liters per day

2. Design Capacity and actual utilisation:

Design Capacity	Waste water received	Waste water treated	Utilisation/Efficiency
180 MLD	180 MLD	180 MLD	100%

3. Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
Upgrade STP for NGT norms	<u>Short term solution:</u> One stream of 60 MLD of this STP has already been upgraded to NGT compliant norms	Completed December 2021	Completed. Results, as per the norms, have been achieved and the STP is functioning optimally.
Upgrade STP for NGT norms	<u>Long-term solution:</u> STP upgradation with NGT standard and capacity enhancement of 200 MLD including digesters is taken up with cost of 46.9 Cr which includes repairing and retrofitting of screen chamber, primary treatment units, primary and secondary clarifiers and thickener, diffusers, pumps, air blowers, electrical panel and sensors.	18 Months Work Start: July 2024 Work Completion: December 2025	Work of Preliminary treatment units and clarifiers has been completed. Installation of diffusers in aeration tank is underway. Work of overhauling of primary and secondary clarifier has been completed. Overhauling of thickeners is under progress. Physical Progress – 48%
Industrial contamination	<u>Continuous solution:</u> Task force has been formed zone wise to check and ensure no contamination of industrial effluent.	ongoing	Work in Progress as per SOP. Task force has been formed. Rechecking of industrial connections already disconnected has been done.

155 MLD New Pirana Sewage Treatment Plant
(status as on 09.04.2024, in the original Blue Print, is at pg. 2461)

1. General details:

Location	New Pirana
Year of commissioning	: 2021
Treatment Technology	: Sequential Batch Reactor (SBR)
Designed capacity	: 155 Million Liters per day

2. Design Capacity and actual utilisation:

Design Capacity	Waste water received	Waste water treated	Utilisation/Efficiency
155 MLD	155 MLD	155 MLD	100%

3. Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
STP compliance for NGT norms	<u>Short-term solution:</u> Minor issues due to occasional industrial effluent contamination for which all possible corrective measures are considered for rigorous monitoring, operation and maintenance.	ongoing	Work in Progress as per SOP. Task force has been formed. Rechecking of industrial connections already disconnected has been done.
Industrial contamination	<u>Continuous solution:</u> Task force has been formed zone wise to check and ensure no contamination of industrial effluent.	ongoing	

60 MLD Kotarpur Sewage Treatment Plant
(status as on 09.04.2024, in the original Blue Print, is at pg. 2462)

1. General details:

Location	Kotarpur
Year of commissioning	: 2023
Treatment Technology	: Sequential Batch Reactor (SBR)
Designed capacity	: 60 Million Liters per day

2. Design Capacity and actual utilisation:

Design Capacity	Waste water received	Waste water treated	Utilisation/Efficiency
60 MLD	40 MLD	40 MLD	66.6%

3. Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
Optimum Utilisation of plant capacity	<p><u>Short-term solution:</u></p> <p>Diverting 35 MLD flow from trunk main line at Sanjay Nagar Chhapra SPS and AUDA PTU to 60 MLD STP Kotarpur.</p>	<p>1 Month(ongoing)</p> <p>Work Start: 25 March 2024</p> <p>Work Completion: 30 April 2024</p>	<p>Work has been completed.</p> <p>Flow of 7 MLD has been diverted from Sanjay Nagar Chhapra Sewage Pumping Station (SPS) and AUDA SPS to 60 MLD STP Kotarpur.</p> <ul style="list-style-type: none"> Work of laying rising line to divert sewage from kubernagar and Noblenagar (Ozone) SPS has been completed on 05.02.2025. This has resulted in increase of 20 MLD flow in the plant.
STP compliance for NGT norms	<p><u>Short-term solution:</u></p> <p>Minor issues for which all possible corrective measures are considered for rigorous monitoring, operation and maintenance.</p> <p>Process stabilisation upon receipt of fullflow shall require additional MLSS stabilisation time.</p>	<p>ongoing</p> <p>15-20 days</p>	<p>Completed.</p> <p>Process is stabilized and treated sewage quality is achieved as per design norms.</p>

25 MLD Shankarbhuvan Sewage Treatment Plant
(status as on 09.04.2024, in the original Blue Print, is at pg. 2463)

1. General details:

Location	Shankarbhuvan
Year of commissioning	: 2020
Treatment Technology	: Sequential Batch Reactor (SBR)
Designed capacity	: 25 Million Liters per day

2. Design Capacity and actual utilisation:

Design Capacity	Waste water received	Waste water treated	Utilisation/Efficiency
25 MLD	25 MLD	25 MLD	100%

3. Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
STP compliance for NGT norms	<u>Short-term solution:</u> Minor issues due to occasional industrialeffluent contamination for which all possible corrective measures are considered for rigorous monitoring, operation and maintenance.	ongoing	Industrial contamination has not been observed since the last one month. Routine maintenance is carried out at the plant to maintain discharge quality.
Industrial contamination	<u>Continuous solution:</u> Task force has been formed zone wise to check and ensure no contamination of industrial effluent.	ongoing	Work in Progress as per SOP. Task force has been formed. Rechecking of industrial connections already disconnected has been done.

126 MLD Vasna Sewage Treatment Plant
(status as on 09.04.2024, in the original Blue Print, is at pg. 2464)

1. General details:

Location	Vasna
Year of commissioning	: 2006
Treatment Technology	: Upflow Anaerobic Sludge Blanket Reactor (UASB)
Designed capacity	: 126 Million Liters per day

2. Design Capacity and actual utilisation:

Design Capacity	Waste water received	Waste water treated	Utilisation/Efficiency
126 MLD	95 MLD	95 MLD	75.4%

3. Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
Optimum Utilisation of plant capacity	<u>Mid-term solution:</u> Diverting 75 MLD flow from TSPS to newly constructed 125 MLD stream of 375 MLD STP.	2 years (ongoing) Work Start: March2024 WorkCompletion: March 2026	Physical progress at site is 34% for overall project. The phase-1 of 125 MLD out of 375 MLD STP is progressing at 48%. More than 90% work of SBR has been completed. Blower installation is in the progress. Chloring contact tank work has been completed.
Upgrade STP for Existing Design norms	<u>Mid-term solution:</u> Tender for upgradation of existing 126 MLD STP has been invited with cost of 3.9 Cr.	11 Months Work Start: June 2024 Work Completion: May 2025	<ul style="list-style-type: none"> Physical Progress – 100%
Upgrade STP for NGT norms	<u>Long-term solution:</u> New STP proposed under GRCP with 375 MLD STP and pumping by connecting existing Vasna AUDA, Vasna Terminal and Vasna barrage Pumping with cost of 778Cr. LOA for the work has been issued on16.03.24.	4.5 years (ongoing) Work Start: March2024 Work Completion: firststream March 26 and entire new STP by September 2028	<ul style="list-style-type: none"> Physical progress at site is 34% The phase-1 of 125 MLD out of 375 MLD STP is progressing at 48%. More than 90% work of SBR has been completed. Blower installation is in the progress. Chloring contact tank work has been completed.

35 MLD Vasna Sewage Treatment Plant
(status as on 09.04.2024, in the original Blue Print, is at pg. 2465)

1. General details:

Location	: Vasna
Year of commissioning	: 2010
Treatment Technology	: Activated Sludge Process (ASP)
Designed capacity	: 35 Million Liters per day

2. Design Capacity and actual utilisation:

Design Capacity	Waste water received	Waste water treated	Utilisation/Efficiency
35 MLD	35 MLD	35 MLD	100%

3. Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
Optimum Utilisation of plant capacity	<u>Short-term solution:</u> Upgradation of 35 MLD STP has been taken up with cost of 4.13 Cr which will enable this STP to run with full capacity instead of 57% capacity. This will cater additional 17 MLD flow.	3 Months (ongoing) Work Start: April 2024 Work Completion: June 2024	Work has been successfully completed. Flow diversion has been achieved on 13.05.2024. The plant is running at full capacity.
Upgrade STP for Existing Design norms	<u>Short-term solution:</u> Upgradation of STP has been taken up with cost of 4.13 Cr which includes repairing and retrofitting of screen chamber, Over hauling of primary and secondary clarifiers and thickener, replacement of diffusers, pumps, air blowers, ocems system & Mcc panels, Chlorination system.	3 Months (ongoing) Work Start: April 2024 Work Completion: June 2024	Work has been successfully completed on 05.06.2024.
Upgrade STP for NGT norms	<u>Long-term solution:</u> New STP proposed under GRCP with 375MLD STP and pumping with cost of 778 Cr LOA for the work has been issued on 16.03.24.	4.5 years (ongoing) Work Start: March 2024 Work Completion: first stream March 2026 and entire new STP by September 2028	<ul style="list-style-type: none"> Physical progress at site is 34% The phase-1 of 125 MLD out of 375 MLD STP is progressing at 48%. More than 90% work of SBR has been completed. Blower installation is in the progress. Chlorination contact tank work has been completed.

240 MLD Vasna Sewage Treatment Plant
(status as on 09.04.2024, in the original Blue Print, is at pg. 2466)

1. General details:

Location	Vasna
Year of commissioning	: 2011
Treatment Technology	: Activated Sludge Process (ASP)
Designed capacity	: 240 Million Liters per day

2. Design Capacity and actual utilisation:

Design Capacity	Waste water received	Waste water treated	Utilisation/Efficiency
240 MLD	210 MLD	210 MLD	87.5%

3. Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
Optimum Utilisation of plant capacity	<u>Mid-term solution:</u> Work Order given for upgradation of 285 MLD TSPS to increase the flow with cost of 14.14 Cr.	12 months (ongoing) Work Start: March 2024 Work Completion: March 2025	The work has been completed. This has resulted in 50-60 MLD flow increase in the plant. • Physical Progress – 100%
Upgrade STP for NGT norms	<u>Long-term solution:</u> STP upgradation with NGT standard shall be taken up with cost of approximately 75- 80 Cr. Consultant is appointed for the same which will include repairing and retrofitting of screen chamber, primary treatment units. Over hauling of primary and secondary clarifiers and thickener, replacement of diffusers, pumps, air blowers, electrical panel and sensors.	18 Months Work Start: July 2024 Work Completion: December 2025	Work order has been issued on 4.10.2024 and O&M has been started by agency. Cleaning and overhauling of two streams have been completed. Repairing and sludge cleaning of aeration tank is under progress. Repairing of admin building and laboratory is under progress.. Work completion – April 2026 • Physical Progress – 15%

48 MLD Vasna Sewage Treatment Plant
(status as on 09.04.2024, in the original Blue Print, is at pg. 2467)

1. General details:

Location	: Vasna
Year of commissioning	: 2018
Treatment Technology	: Sequential Batch Reactor (SBR)
Designed capacity	: 48 Million Liters per day

2. Design Capacity and actual utilisation:

Design Capacity	Waste water received	Waste water treated	Utilisation/Efficiency
48 MLD	48 MLD	48 MLD	100%

3. Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
STP compliance for NGT norms	<u>Short-term solution:</u> Minor issues for which all possible corrective measures are considered for rigorous monitoring, operation and maintenance.	Ongoing	Routine maintenance is in carried out daily as per schedule to maintain outlet discharge norms. The STP is performing optimally.

60 MLD Jalvihar Sewage Treatment Plant
(status as on 09.04.2024, in the original Blue Print, is at pg. 2468)

1. General details:

Location	: Jalvihar
Year of commissioning	: 2019
Treatment Technology	: Sequential Batch Reactor (SBR)
Designed capacity	: 60 Million Liters per day

2. Design Capacity and actual utilisation:

Design Capacity	Waste water received	Waste water treated	Utilisation/Efficiency
60 MLD	60 MLD	60 MLD	100%

3. Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
STP compliance for NGT norms	<u>Short-term solution:</u> Minor issues for which all possible corrective measures are considered for rigorous monitoring, operation and maintenance.	Ongoing	Routine maintenance is in carried out daily as per schedule to maintain outlet discharge norms. The STP is performing optimally.

70 MLD Vinzol Sewage Treatment Plant
(status as on 09.04.2024, in the original Blue Print, is at pg. 2469)

1. General details:

Location	Vinzol
Year of commissioning	: 2012
Treatment Technology	: Activated Sludge Process (ASP)
Designed capacity	: 70 Million Liters per day

2. Design Capacity and actual utilisation:

Design Capacity	Waste water received	Waste water treated	Utilisation/Efficiency
70 MLD	70 MLD	70 MLD	100%

3. Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
Upgrade STP for NGT norms	<u>Long-term solution:</u> Upgradation of STP has been taken up and appointment of consultant is done for the same. Approximate cost of work is 35-40 Cr which includes removal of sludge from gas Holder, grit scrapper, screw conveyor and step screen and primary and secondary units retrofitting and replacement of equipment.	18 Months Work Start: June 2024 Work Completion: December 2025	<ul style="list-style-type: none"> Work order has been issued on 4.10.2024 and O&M has been started by agency. The work of grit mechanism installation has been completed and screen installation is under progress. Aeration tank cleaning is under progress. Mechanical items have been started receiving at site. Physical Progress – 15%
Industrial contamination	<u>Continuous solution:</u> Task force has been formed zone wise to check and ensure no contamination of industrial effluent.	ongoing	Work in Progress as per SOP. Task force has been formed. Rechecking of industrial connections already disconnected has been done.

35 MLD Vinzol Sewage Treatment Plant
(status as on 09.04.2024, in the original Blue Print, is at pg. 2470)

1. General details:

Location	Vinzol
Year of commissioning	: 2020
Treatment Technology	: Sequential Batch Reactor (SBR)
Designed capacity	: 35 Million Liters per day

2. Design Capacity and actual utilisation:

Design Capacity	Waste water received	Waste water treated	Utilisation/Efficiency
35 MLD	35 MLD	35 MLD	100%

3. Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
STP compliance for NGT norms	<u>Short-term solution:</u> Minor issues due to occasional industrial effluent contamination for which all possible corrective measures are considered for rigorous monitoring, operation and maintenance.	Ongoing	Routine maintenance is carried out daily as per schedule to maintain outlet discharge norms.
Industrial contamination	<u>Continuous solution:</u> Task force has been formed zone wise to check and ensure no contamination of industrial effluent.	Ongoing	Work in Progress as per SOP. Task force has been formed. Rechecking of industrial connections already disconnected has been done.

100 MLD Vinzol Sewage Treatment Plant
(status as on 09.04.2024, in the original Blue Print, is at pg. 2471)

1. General details:

Location	Vinzol
Year of commissioning	: 2021
Treatment Technology	: Sequential Batch Reactor (SBR)
Designed capacity	: 100 Million Liters per day

2. Design Capacity and actual utilisation:

Design Capacity	Waste water received	Waste water treated	Utilisation/Efficiency
100 MLD	110 MLD	110 MLD	110%

3. Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
STP compliance for NGT norms	<u>Short-term solution:</u> Minor issues due to occasional industrialeffluent contamination for which all possiblecorrective measures are considered for rigorous monitoring, operation and maintenance.	Ongoing	Routine maintenance is in carried out daily as per schedule to maintain outlet discharge norms.
Industrial contamination	<u>Continuous solution:</u> Task force has been formed zone wise to check and ensure no contamination of industrial effluent.	Ongoing	Work in Progress as per SOP. Task force has been formed. Rechecking of industrial connections already disconnected has been done.

30 MLD Maleksaban Sewage Treatment Plant
(status as on 09.04.2024, in the original Blue Print, is at pg. 2472)

1. General details:

Location	MalekSaban
Year of commissioning	: 2023
Treatment Technology	: Sequential Batch Reactor (SBR)
Designed capacity	: 30 Million Liters per day

2. Design Capacity and actual utilisation:

Design Capacity	Waste water received	Waste water treated	Utilisation/Efficiency
30 MLD	30MLD	30MLD	100%

3. Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
Diversion of STP flow from Pirna trunk main	<u>Medium-term solution:</u> Khari cut canal development project is going on and flow is diverted to Pirana trunk main till completion of the project.	2 years (ongoing) Work Start: November 2022 Work Completion: April 2025	The STP is currently receiving 19-26-28 MLD sewage. As on date of filing of the present affidavit the plant is fully operational and is delivering optimal results.

5 MLD Lambha Sewage Treatment Plant
(status as on 09.04.2024, in the original Blue Print, is at pg. 2473)

1. General details:

Location	Lambha
Year of commissioning	: 2020
Treatment Technology	: Sequential Batch Reactor (SBR)
Designed capacity	: 5 Million Liters per day

2. Design Capacity and actual utilisation:

Design Capacity	Waste water received	Waste water treated	Utilisation/Efficiency
5 MLD	5 MLD	5 MLD	100%

3. Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
STP compliance for NGT norms	<u>Short-term solution:</u> Minor issues for which all possible corrective measures are considered for rigorous monitoring, operation and maintenance.	Ongoing	Routine maintenance is carried out daily as per schedule to maintain outlet discharge norms.
Diversion of excess flow to reedbed	<u>Mid-term solution:</u> Reedbed repairing work at outlet of Lambha 5 MLD STP shall be taken up to cater excess flow of pumping station and STP outlet.	6 Months Work Start: July 2024 Work Completion: January 2025	the work of diversion of additional flow to Lambha Sewage Pumping Station (SPS) has been completed by laying pipeline for the entire 1.8 km length. The final connection work is completed. The flow diversion has started with effect from 22nd March 2025. Physical Progress – 100%

2 Detail planning of Excess flow received at each catchment

Present sewage generation for the city is close to 1320 MLD considering water supply provided by city's water supply infrastructure. Apart from this AMC has observed that, periodically, there is additional generation of sewage due to water usage by industries and discharging industrial effluent directly to AMC's sewerage network along with private borewells used . The existing Sewage Treatment Plants in AMC area are serving to major four (4) catchment areas comprise of New Pirana, Old Pirana and Vinzol on eastern side and Vasna on western side. The details of excess flow generation from each catchment is shown in the figure below.

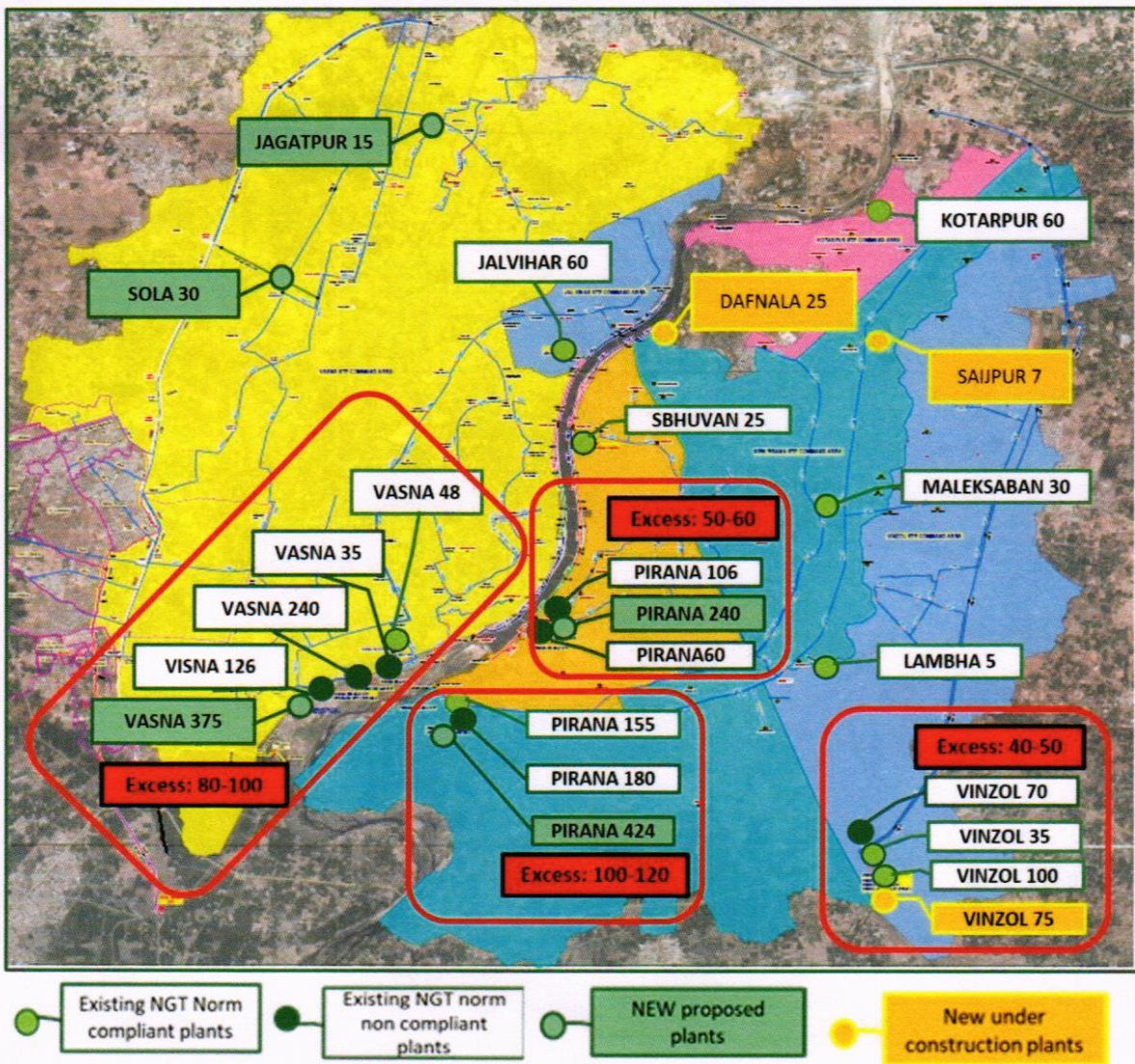


Figure: Catchment areas of AMC

2.1 Details of Excess flow and solution

2.1.1 Old Pirana catchment

Approximate Excess flow from catchment: 50-60 Million Liters per day

Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
Diversion of excess flow from interceptor line	<u>Short-term solution:</u> Diversion of 25 MLD sewage flow from interceptor line to Dafnala 25MLD STP for treatment.	3 Months(ongoing) Work Start: 25 March 2024 Work Completion: June2024	Completed. The plant is receiving nearly 15 MLD sewage and treated sewage as per the norms is discharged in to the river.
Diversion of excess flow from Ambedkar SPS	<u>Short-term solution:</u> Maintenance of flow meters and pending overhauling works of pumping station to divert 25 MLD flow for treatment.	1 Month (ongoing) Work Start: April 2024 Work Completion: 30 April2024	Completed on 22.05.2024
Diversion of excess flow from Maninagar SPS to STP	<u>Mid-term solution:</u> 90 MLD SPS is under construction with cost of 12.09 Cr to divert 35 MLD flow for treatment to 106 MLD STP.	18 Months(ongoing) Work Start: September 2023 Work Completion: March 2025 which is expedited as July 2024	<ul style="list-style-type: none"> The work is completed. Two pumps have been started on 08.08.2024. This has resulted in increase of 35 MLD sewage
Diversion of excess flow from interceptor line and Maninagar SPS to STP	<u>Long-term solution:</u> Tender has been invited for HAM PPP model based STP along with terminal pumping station with 240 MLD Capacity.	24 Months Work Start: June 2024 Work Completion: June2026	<ul style="list-style-type: none"> For the long-term solution for this STP is, as submitted herein above, endeavours are being made to synergize the development work with the construction of a Tertiary Treatment Plant (TTP) along with the STPs, so that the treated water from these STPs can be used for industrial purposes.

2.1.2 New Pirana catchment

Approximate Excess flow from catchment: 100-120 Million Liters per day

Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
Diversion of excess flow from trunk main line	<u>Short-term solution:</u> Diversion of 35 MLD flow from trunk mainline at Sanjaynagar Chhapra SPS and AUDA PTU to 60 MLD STP Kotarpur for treatment.	1 Month (ongoing) Work Start: March 2024 Work Completion: April 2024	Work has been completed. Flow of 7 MLD has been diverted from Sanjay Nagar Chhapra Sewage Pumping Station (SPS) and AUDA SPS to 60 MLD STP Kotarpur. <ul style="list-style-type: none"> Work of laying rising line to divert sewage from kubernagar and Noblenagar (Ozone) SPS has been completed on 05.02.2025. This has resulted in increase of 20 MLD flow in the plant. Work of Hansol-2 SPS has been completed on 05.09.2024. 5 MLD flow diverted to STP
Diversion of excess flow from trunk main line	<u>Mid-term solution:</u> Diversion of excess flow from trunk main line to Maleksaban 30 MLD STP and Saijpur 7 MLD STP for lake refilling and discharge into kharicut canal upon its Work Completion.	36 Months(ongoing) Work Start: November 2023 Work Completion: November 2026	The STP is continuously receiving 26-28 MLD sewage and delivering optimal results.
Diversion of excess flow from trunk main line	<u>Mid-term solution:</u> Revamp old lagoons at New Pirana which are abandoned with aeration and primary treatment to divert flow of approximately 90 MLD.	12 months Work Start: June 2024 Work Completion: June 2025	<ol style="list-style-type: none"> LOI has been issued to five agencies on 30.10.2024. Agencies have prepared sites and dosing has been started for bioremediation The results are encouraging. Nearly 50% reduction has been achieved. Diversion of sewage into lagoon has been started Physical progress is 95%.
Diversion of excess flow from trunk main line	<u>Long-term solution:</u> Tender has been invited for new 424 MLD STP and pumping station under Gujarat resilient cities partnership-Ahmedabad resilient city project with cost of 839 Cr.	48 Months Work Start: June 2024 Work Completion: June 2028	Work Order has been issued on 05.02.2025. The work of fencing and compound wall has been completed. Excavation of SBR unit is under progress. RMC plant has been installed and store construction is under progress. Drawing submission has been started and draft ESIA has been submitted.

2.1.3 Vasna catchment

Approximate Excess flow from catchment: 80-100 Million Liters per day

Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
Diversion of excess flow to 35 MLD STP	Short-term solution: Upgradation of 35 MLD STP has been taken up with cost of 4.13 Cr which will enable this STP to run with full capacity instead of 57% capacity. This will cater additional 17 MLD flow.	3 Months (ongoing) Work Start: April 2024 Work Completion: June 2024	Work has been successfully completed. Flow diversion has been achieved on 13.05.2024. The plant is running at full capacity.
Diversion of excess flow from 285 TSPS to STP	Mid-term solution: Work Order given for upgradation of 285 MLD TSPS to increase 60 MLD flow in 240 MLD STP with cost of 14.14 Cr.	12 Months (ongoing) Work Start: April 2024 Work Completion: March 2025	The work has been completed. This has resulted in 50-60 MLD flow increase in the plant. Physical Progress – 100%
Diversion of excess flow from trunk main line	Mid-term solution: Wetland development/bioremediation on bank of river to treat approximately 140 MLD sewage.	12 months Work Start: June 2024 Work Completion: June 2025	LOI has been issued to five agencies on 30.10.2024. Agencies have prepared sites and dosing has been started for bioremediation. Nearly 50% reduction has been achieved. Final connection of header line into lagoon has been done and dosing will start in a week time. Physical progress is 95%.
Diversion of excess flow from trunk main line	Long-term solution: LOA is given for construction of new 375 MLD STP and pumping station under Gujarat resilient cities partnership- Ahmedabad resilient city project with cost of 775 Cr.	4.5 years (ongoing) Work Start: March 2024 Work Completion: first stream March 26 and entire new STP by September 2028	Progress of the work is 34%. The phase-1 of 125 MLD out of 375 MLD STP is progressing at 48%. More than 90% work of SBR has been completed. Blower installation is in the progress. Chloring contact tank work has been completed

2.1.4 Vinzol catchment

Approximate Excess flow from catchment: 40-50 Million Liters per day

Issues/Challenges faced and their solutions:

Issues/Challenges	Solution	Timeline	Current Status (as on 01.08.2025)
Diversion of excess flow to 35 MLD and 100 MLD STP	<u>Short-term solution:</u> Diversion of Excess sewage to existing 35MLD and 100 MLD STP which can cater to 10% higher load (approximately 13-15 MLD) as they have equalisation tank set up.	(ongoing) Work Start: 25 March 2024 Work Completion: 30 April 2024	Completed in April 2024. 100 MLD STP is running with 10% more capacity of 110 MLD.
Diversion of excess flow to 75 MLD STP	<u>Long-term solution:</u> Work order is given for construction of new 75 MLD STP with cost of 105 Cr.	24 Months(ongoing) Work Start: February 2024 Work Completion: May 2026	Physical Progress – 35% Raft work of SBR units is in progress. Column footing and side wall work of major units is in the progress

3. Details of new, under construction STPs

Sr. No.	STP Name	Capacity (MLD)	Technology	Norms	Physical Progress (%)	Expected date of Comp.	Current Status (as on 01.08.2025)
1	Saijpur lake	7	SBR	BOD \leq 10, COD \leq 50, TSS \leq 10, TN \leq 10, TP \leq 1	100%	30/4/24	The plant is commissioned and receiving 4.5 MLD Sewage.
2	Dafnala	25	SBR	BOD \leq 10, COD \leq 50, TSS \leq 10, TN \leq 10, TP \leq 1	100%	30/4/24	The plant is commissioned and receiving 16-18 MLD flow and delivering treated sewage quality as per norms
3	Vinzol	75	SBR	BOD \leq 10, COD \leq 50, TSS \leq 10, TN \leq 10, TP \leq 1	35%	16/2/26	Physical Progress – 35% Raft work of SBR units is in progress. Column footing and side wall work of major units is in the progress
4	Vasna	375	SBR	BOD \leq 10, COD \leq 50, TSS \leq 10, TN \leq 10, TP \leq 1	34 %	16/9/28	Progress of the work is 34%. • The phase-1 of 125 MLD out of 375 MLD STP is progressing at 48%. More than 90% work of SBR has been completed. Blower installation is in the progress. Chloring contact tank work has been completed
5	Sola	30	SBR	BOD \leq 5, COD \leq 50, TSS \leq 5, TN \leq 10, TP \leq 1	64%	10/9/25	Physical Progress – 64% The work of decanter erection in SBR is under progress. Excavation of sewage pumping station and filter assembly has been started. Work of chlorine contact tank is near to completion and work of preliminary treatment unit is progressing at slab level.
6	Jagatpur	15	SBR	BOD \leq 5, COD \leq 50, TSS \leq 5, TN \leq 10, TP \leq 1	61%	10/9/25	Physical Progress – 61% The work of column footing is in progress at sewage pumping station and centrifuge building. The work of column footing is near to completion in all SBR units.
7	Pirana	424	Open technology	BOD \leq 10, COD \leq 50, TSS \leq 10 TN \leq 10, TP \leq 1	4%	To be completed by September 2028	the work of fencing and compound wall has been completed. Excavation of SBR unit is under progress. RMC plant has been installed and store construction is under progress.
8	Pirana	240	Open technology	BOD \leq 10 COD \leq 5, TSS \leq 10, TN \leq 10, TP \leq 1	0%	To be completed by May 2026	Tender preparation for 150 MLD STP with 100 MLD TTP and upgradation of 60 MLD STP is under progress.
	Total	1191					