



**Godavari Biorefineries Ltd**

GBL/SAK/MoEF/ 214

Date-17/12/2022

To,

**The Additional Principal Chief Conservator of Forest ( C ),**

Ministry of Environment, Forest and Climate Change,

Regional Office (WCZ), Ground Floor, East Wing,

New Secretariat Building, Civil Lines, Nagpur-440001

Email Address: - [apccfcentral-ngp-mef@gov.in](mailto:apccfcentral-ngp-mef@gov.in)

Subject: - Submission of compliance of general and specific conditions of Environment Clearance for M/s- Godavari Biorefineries Ltd. A/p- Sakarwadi, Tal- Kopargaon, District- Ahmednagar, Maharashtra.

Reference: - Environmental Clearance No IA-J-11011/154/2019-IA-II (I) Dated 06.08.2021 from Ministry of Environment, Forest and Climate Change.

Respected Sir,

In compliance of the standard guidelines of Ministry of Environment, Forest and Climate Change, we are submitting herewith our six monthly compliance report of General and Specific Conditions of Environmental Clearance granted to us Vide letter no.IA-J-11011/154/2019-IA-II (I) Dated 06.08.2021 for expansion of existing industry and addition of New Products of Organic Chemicals.

We would like to inform you that, proposed project of expansion is under execution. However, the conditions for proposed project as mentioned in compliance of EC are being maintained properly with advancement as suggested by statutory authorities time to time.

This is submitted for your kind information and record please.

Thanking You

**For Godavari Biorefineries Ltd.**

  
**Director (Works)**

CC:- The Sub Regional Officer, MPCB, Ahmednagar

Encl:- Compliance of Conditions of Environmental Clearance

**P. O. :** Sakarwadi, Tal Kopargaon, Dist Ahmednagar 413 708. (M.S.) INDIA  
Tel : (02423) 279308/ 279396 / 279440 Fax : (02423) 279339 E-mail : sakarwadi@somaiya.com

**Regd. Office :** Somaiya Bhavan, 45/47, Mahatma Gandhi Road, Fort, Mumbai - 400 001 INDIA.  
Tel : (91-22) 2204 8272 / 2285 8430 Fax : (91-22) 2204 7297 www.somaiya.com



**CIN : U67120MH1956PLC009707**

**ENVIRONMENTAL  
CLEARANCE  
COMPLIANCE  
REPORT FROM  
JULY 2022 TO  
DECEMBER 2022**

***DECEMBER 17***

***2022***

**SUBMITTED BY:-**

**M/S- GODAVARI BIOREFINERIES LIMITED,**

**A/P- SAKARWADI,**

**TAL- KOPARGAON, DISTRICT- AHMEDNAGAR**

**MAHARASHTRA-413708**

Compliance of Conditions of Environmental Clearance Ref No- IA-J-11011/154/2019-IA-II (I)

Dated 06.08.2021

Sr. No.	EC Conditions	Compliance Status
<b>A</b>	<b>Specific Conditions:</b>	
1	The Company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Noted, We have taken all necessary protection measures during execution of project.
2	Implementation of the directions of Hon'ble NGT w.r.t. Bio-remediation plan of soil and Water( Ground & Surface) contaminated by the earlier Distillery Unit on time bound manner. The implementation report shall be submitted to IRO MoEF & CC on six monthly-bases.	Implementation of Bioremediation for soil and Water (Ground & Surface) contaminated by the earlier Distillery Unit is in process. As per CPCB directions, Industry has regularly submitting quarterly Analysis Reports of identified locations. Herewith attached last two quarters Analysis reports submitted to CPCB as <b>Annexure-I</b>
3	Volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97% with Effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.	Noted, We have done regular monitoring of VOCs. Latest Reports is attached as <b>Annexure-II</b>
4	An Occupational health center for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety Kits/mask for personal protection.	Noted, In Existing Setup we have followed the same and in proposed expansion we will complied with the same.
5	As already committed by the project proponent, Zero Liquid Discharge (ZLD) shall be ensured And no waste/treated water shall be discharged outside the premises. Treated effluent shall be Reused in the process/utilities. Treated industrial effluent shall not be used for gardening/greenbelt Development/horticulture purpose.	Noted industry has full-fledged ETP with Zero Liquid Discharge (ZLD) for Existing and proposed expansion.
6	The unit shall make up the arrangement for the prevention and protection of possible fire hazards During manufacturing process in material handling. Fire-fighting system shall be as per norms. Mock drill Shall be conducted regularly	Yes, In Existing Setup we have followed the same and in proposed expansion we will complied with the same.
7	Training shall be imparted to all employees on safety and health aspects of chemicals handing.	Noted, In Existing Setup we have followed the same and in

	Safety and visual reality training shall be provided to employees.	proposed expansion we will complied with the same.
8	Total fresh water requirement, sourced from River through Canal and Ground Water through open well, Shall not exceed 2,691 m <sup>3</sup> /day. Prior permission in this regard shall be obtained from the concerned Regulatory authority	Noted, Industry has permission for Fresh water lifting from River through Canal and Ground Water through open well. Submitted to your office vide our letter no-GBL/SAK/MoEF/2204 dated 28/12/2021
9	Storm Water from the roof top shall be channelized through pipes to the storage tank constructed for Harvesting of rain water in the premises and harvested water shall be used for various industrial processes In the unit. No recharge shall be permitted within the premises. Process effluent/any wastewater shall not be allowed to mix with storm water.	Noted, will be complied with.
10	Continuous online(24 x7) monitoring system for stack emissions shall be installed for Measurement Of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB Server for ZLD the unit shall install web camera with night vision capacity and flow meters in the channel/drain Carrying Effluent within the premises(if applicable).	Not applicable, as industry not coming under 17 category of highly polluting industries.
11	Solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system (b) Reactor and solvent handing pump shall have mechanical seals to prevent leakages (c) Solvent shall be stored in a separate space provided with all safety measures (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handing is done (e) Entire plant shall be flameproof. The solvent storage tanks shall be provided with breather valves to prevent losses (f) All the solvent storage tanks shall be connected with vent condensers with chilled circulation.	Noted, will be complied with.
12	Process organic residue and spent carbon, if any, shall be sent to Cement or other suitable industries for its Incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF. There shall be Commitment from the brick manufacturing to take the fly ash from the plant. The unit is to be started after getting the Commitment from the brick manufacturer/cement plant.	Noted, will be complied with.

13	The company shall undertake waste minimization measures as below. (a) Metering and control of quantities of active ingredients to minimize Waste (b) Reuse of by-products from the process as raw materials or as raw materials substitutes in other processes ©Use of automated filling to minimize spillage. (d) Use of Close Feed systems into batch reactors. (e) Venting equipments through vapour recovery system. (g) Use of high-pressure hoses for equipment clearing to reduce wastewater generation.	Noted, will be complied with.
14	The green belt of at least 5-10 m width shall be developed in at least 33% of the total project area, mainly along the Plant periphery/additional land. Selection of plant species shall be as per CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map. Trees have to be planted with spacing 2m x2m and the number of trees has to be increased accordingly. The plant species can be selected that will give better carbon sequestration. All trees must be planted within first year.	Noted.
15	The activities and the action plan proposed by the project proponent to address the socio-economic and public hearing Issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EMP report in letter and spirit. All the commitments made during public hearing shall be satisfactorily implemented.	Noted, a) As mentioned in CER activity and Public Hearing commitment till June 2022 we have done surrounding village's like- Wari, Kanhegaon and Sade road repairing with the help JCB Machine and filling of murum in it. Total Expenses for the same work was <b>Rs. 1,19,200/-</b> Vendor payment bills are attached herewith <b>Annexure-III</b> . b) As per request letter from Sade Village, we have helped for tree plantation of cost of <b>Rs.8,260/-</b> . Request letter, and Supplier Nursery Bills are attached herewith <b>Annexure-IV</b>
16	A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/ Specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the environmental Management and Monitoring functions.	Yes, Industry has separate Environmental Management Cell with qualified staff of Environment area.

<b>B</b>	<b>General Conditions:</b>	
	The grant of environmental clearance is further subject to compliance of other general conditions as under	
I	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be Carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviation or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference Shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional Environmental protection measures required, if any	Noted
II	The project proponent shall strictly comply with the rules and guidelines issued under the manufacture, storage and import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time, the Chemicals Accidents(Emergency planning, Preparedness and Response) Rules, 1996 and Hazardous and other Wastes (Management and Trans-Boundary Movement )Rules,2016 and other rules notified under various Acts.	Noted, will be complied with.
III	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and Environment betterment.	Noted, will be complied with.
IV	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures Including acoustic hoods, Silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the Standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75dBA(day time) and 70dBA(Night time)	Noted, and provided the same.
V	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities Shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including Community welfare measures in the project area for the overall improvement of the environment.	Noted

VI	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the ministry of Environment, Forest and climate change as well as the State Government along with the Implementation schedule For all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	Noted
VII	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municiple Corporation,Urban Local body and the local NGO, If any, from whom suggestions/representations, if any, were received while processing the proposal.	Complied.
VIII	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions Including results of monitoring data to the respective Regional office of MoEF & CC. the respective zonal office of CPCB & SPCB. A copy Of Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.	Noted, will be complied with.
IX	The environment statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently shall also be put on the Website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF& CC by e-mail.	Noted and Submitted to State Pollution Con troll Board on 08/08/2022. Attached herewith as <b>Annexure-V</b>
X	The project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the Clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> this shall Be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated In the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional office of the Ministry.	Complied and Submitted to your office vide our letter no- GBL/SAK/MoEF/2204 dated 28/12/2021

XI	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project By the concerned authorities and the date of start of the project.	Noted, will be complied with.
XII	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India. Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted, will be complied with.
XIII	The ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall Implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if Implementation of any of the above conditions is not found satisfactory.	Noted
XIV	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result In withdrawal of this clearance and attract action under the provision of the Environment (Protection) Act 1986.	Noted
XV	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	Noted
XVI	The above conditions shall be enforced, inter-alia under the provision of the Water (Prevention & Control of pollution) Act 1974, the Air (Prevention & Control of Pollution) Act 1981, the Environment (Protection) Act, 1986. Hazardous and other Wastes (Management & Transboundry Movement) Rules,2016 and the public Liability insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter	Noted- As per this acts we have obtain from State Pollution Control Board <b>1) Consent to Establish</b> -Format 1.0/CAC/UAN No.0000120713/CE/2204000670 Date: 12/04/2022 <b>2) 1<sup>st</sup> Consent to Operate with amalgamation-</b> Format 1.0/CAC/UAN No.0000134753/CO/2206000679 Date: 15/06/2022 <b>3) 2<sup>nd</sup> Consent to Operate with amalgamation-</b> Format1.0/CAC/UAN No. MPCBCONSENT-0000143896/CO/2211001368 Date: 17/11/2022- All the above Consents are attached herewith <b>Annexure- VI</b>



# **Annexure - I**



Godavari Biorefineries Ltd

GBL/SAK/CPCB/ 03

Date -10/09/2022

To,  
The Member Secretary,  
Central Pollution Control Board,  
Parivesh Bhavan, East Arjun Nagar  
Delhi-110032

Subject: - Reply in compliance with directions dated 15.11.2021 (Quarterly Monitoring Reports)

- Ref.- 1) CM-13015/39/2021-IPC-III-HO-CPCB-HO/8854, Dated 15/11/2021,  
2) CM-13015/39/2021-IPC-III-HO-CPCB-HO/029, Dated 19/05/2022  
3) GBL/SAK/CPCB/2366 dated 28/03/2022

Respected Sir,

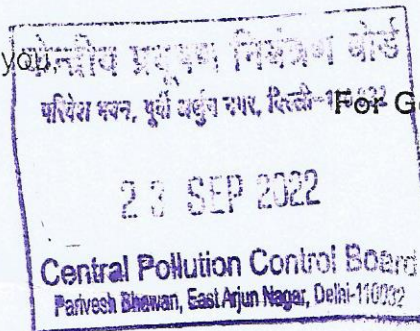
With reference to the above mentioned reference letter no-2-CM-13015/39/2021-IPC-III-HO-CPCB-HO/029, Dated 19/05/2022- Minutes of Meeting page no-2 point no-6, we have conducted quarterly monitoring of locations identified by CPCB mentioned in letter dated 15/11/2021.

Additional three locations monitoring also conducted as instruction given during the site visit of CPCB and MPCB team on 08/06/2022 and 09/06/2022.

Total 14 locations quarterly monitoring reports attached (Initial 11 nos and additional 3 nos) as Annexure.

This is for your information and record please.

Thanking you



Yours Faithfully,  
For Godavari Biorefineries Ltd., Sakarwadi.

Director (Works)

01C

Encl: Analysis Reports in the month of August-2022

P. O. : Sakarwadi, Tal Kopergaon, Dist Ahmednagar 413 708. (M.S.) INDIA  
Tel : (02423) 279308/ 279396 / 279440 Fax : (02423) 279339 E-mail : sakarwadi@somaiya.com

Regd. Office : Somaiya Bhavan, 45/47, Mahatma Gandhi Road, Fort, Mumbai - 400 001 INDIA.  
Tel : (91-22) 2204 8272 / 2285 8430 Fax : (91-22) 2204 7297 www.somaiya.com



CIN : U67120MH1956PLC009707



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
Phone : Sangli - 0233 - 2301857, (M) 9372109522, 9890992118, 9890454493,  
E-mail : bssubbarao@yahoo.com / bssharat@yahoo.com / bsnagjyoti@yahoo.com  
QCI - NABET Accredited EIA Consultant Organization - Certificate No.

NABET / EIA / 1922 / RA 0159 valid upto June 12, 2022,

NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 09-08-2021

The Validity is extended for one year upto 09-08-2022

### TEST REPORT

Report Ref. No. : SEC/W-CG/07-22	End of Analysis : 06 August 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG13
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Water
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 July 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water: Shri. Machindra Jayaram Kajale</b>	
Latitude-19°50.117'N, Longitude- 74° 33.819'E	

Sr. No	Parameter	Unit	Result
1	pH	--	8.10
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	3574
4	TDS	mg/l	1960
5	COD	mg/l	37
6	BOD5	mg/l	12
7	NH3-N	mg/l	2.8
8	PO4-P	mg/l	1.5
9	SO4 <sup>2-</sup>	mg/l	532
10	Cl <sup>-</sup>	mg/l	751
11	Sodium Absorption Ratio	--	3.92
12	Volatile Acids	mg/l	54

#### Remarks:

Thanking you,

Analysed By



Authorized Signatory

Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

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### TEST REPORT

Report Ref. No. : SEC/W-CG/07-22	End of Analysis : 06 August 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG12
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Water
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 July 2022	Sample Quantity : 1 lit
Name of Sample & Location: - <b>Handpump Water – Sangale Wasti.</b>	
Latitude-19°50.567'N, Longitude- 74°33.564'E	

Sr. No	Parameter	Unit	Result
1	pH	--	7.66
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	4630
4	TDS	mg/l	1910
5	COD	mg/l	38
6	BOD5	mg/l	7
7	NH3-N	mg/l	2.3
8	PO4-P	mg/l	0.82
9	SO4 <sup>-</sup>	mg/l	137
10	Cl <sup>-</sup>	mg/l	350
11	Sodium Absorption Ratio	--	3.16
12	Volatile Acids	mg/l	31

#### Remarks:

Thanking you,

Analysed By



Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



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### TEST REPORT

Report Ref. No. : SEC/W-CG/07-22	End of Analysis : 06 August 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG11
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Water
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 July 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water: Shri. Ashok Kajale</b>	
Latitude-19°49.878'N, Longitude- 74° 33.921'E	

Sr. No	Parameter	Unit	Result
1	pH	--	8.29
2	Colour	Hazan	75
3	Electric Conductivity	µmhos/cm	3610
4	TDS	mg/l	1905
5	COD	mg/l	41
6	BOD5	mg/l	9
7	NH3-N	mg/l	2.8
8	PO4-P	mg/l	1.1
9	SO4 <sup>2-</sup>	mg/l	385
10	Cl <sup>-</sup>	mg/l	602
11	Sodium Absorption Ratio	--	3.69
12	Volatile Acids	mg/l	52

#### Remarks:

Thanking you,

Analysed By



Authorized Signatory

Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



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### TEST REPORT

Report Ref. No. : SEC/W-CG/07-22	End of Analysis : 06 August 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG10
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Water
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 July 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water- Shri. Santosh Shrihari Walunj</b>	
Latitude-19°49.938'N, Longitude- 74° 33.959'E	

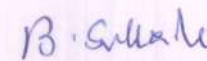
Sr. No	Parameter	Unit	Result
1	pH	--	8.05
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	2218
4	TDS	mg/l	1296
5	COD	mg/l	31
6	BOD5	mg/l	5
7	NH3-N	mg/l	0.7
8	PO4-P	mg/l	ND
9	SO4 <sup>-</sup>	mg/l	147
10	Cl <sup>-</sup>	mg/l	671
11	Sodium Absorption Ratio	--	4.36
12	Volatile Acids	mg/l	41

#### Remarks:

Thanking you,

  
Analysed By



  
Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

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2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



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### TEST REPORT

Report Ref. No. : SEC/W-CG/07-22	End of Analysis : 06 August 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG14
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Water
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 July 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>River Water – Near Open Well Inside of Godavari River Bed</b>	
Latitude-19°49.92'N, Longitude- 74° 33.55'E	

Sr. No	Parameter	Unit	Result
1	pH	--	7.75
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	371
4	TDS	mg/l	205
5	COD	mg/l	8
6	BOD5	mg/l	< 4
7	NH3-N	mg/l	1.4
8	PO4-P	mg/l	1.05
9	SO4 <sup>-</sup>	mg/l	37
10	Cl <sup>-</sup>	mg/l	15
11	Sodium Absorption Ratio	--	2.69
12	Volatile Acids	mg/l	10

#### Remarks:

Thanking you,

Analysed By



Authorized Signatory

Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
Phone : Sangli - 0233 - 2301857, (M) 9372109522, 9890992118, 9890454493,  
E-mail : bssubbarao@yahoo.com / bssharat@yahoo.com / bsnagjyoti@yahoo.com  
QCI - NABET Accredited EIA Consultant Organization - Certificate No.

NABET / EIA / 1922 / RA 0159 valid upto June 12, 2022,

NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 09-08-2021

The Validity is extended for one year upto 09-08-2022

### TEST REPORT

Report Ref. No. : SEC/W-CG/07-22	End of Analysis : 06 August 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG15
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Water
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 July 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water - Shri. Dattu Lakare</b>	
Latitude-19°49.019'N, Longitude- 74° 33.747'E	

Sr. No	Parameter	Unit	Result
1	pH	--	8.21
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	1390
4	TDS	mg/l	850
5	COD	mg/l	19
6	BOD5	mg/l	< 4
7	NH3-N	mg/l	0.1
8	PO4-P	mg/l	0.5
9	SO4 <sup>-</sup>	mg/l	52
10	Cl <sup>-</sup>	mg/l	135
11	Sodium Absorption Ratio	--	3.02
12	Volatile Acids	mg/l	26

#### Remarks:

Thanking you,

Analysed By



Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*





# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
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The Validity is extended for one year upto 09-08-2022

### TEST REPORT

Report Ref. No. : SEC/W-CG/07-22	End of Analysis : 06 August 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG19
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Water
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 July 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Borewell – Maharashtra Rajya Sethi Mahamandal, Sakarwadi.</b>	
Latitude-19°49.113'N, Longitude- 74° 34.328'E	

Sr. No	Parameter	Unit	Result
1	pH	--	7.56
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	1884
4	TDS	mg/l	1150
5	COD	mg/l	22
6	BOD5	mg/l	< 4
7	NH3-N	mg/l	1.6
8	PO4-P	mg/l	< 1.0
9	SO4 <sup>-</sup>	mg/l	24
10	Cl <sup>-</sup>	mg/l	125
11	Sodium Absorption Ratio	--	2.16
12	Volatile Acids	mg/l	25

#### Remarks:

Thanking you,

Analysed By



Authorized Signatory

Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
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### TEST REPORT

Report Ref. No. : SEC/W-CG/07-22	End of Analysis : 06 August 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG16
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Water
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 July 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water: Police Door Kshetra, Wari</b>	
Latitude-19°48.950'N, Longitude- 74°34.087'E	

Sr. No	Parameter	Unit	Result
1	pH	--	7.85
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	2360
4	TDS	mg/l	1375
5	COD	mg/l	36
6	BOD5	mg/l	8
7	NH3-N	mg/l	1.02
8	PO4-P	mg/l	1.3
9	SO4 <sup>-</sup>	mg/l	185
10	Cl <sup>-</sup>	mg/l	590
11	Sodium Absorption Ratio	--	3.96
12	Volatile Acids	mg/l	24

#### Remarks:

Thanking you,

Analysed By



Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
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The Validity is extended for one year upto 09-08-2022

### TEST REPORT

Report Ref. No. : SEC/W-CG/07-22	End of Analysis : 06 August 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG18
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Water
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 July 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water-Near Kanehegaon Railway Station</b>	
Latitude-19°49.065'N, Longitude- 74° 34.287'E	

Sr. No	Parameter	Unit	Result
1	pH	--	8.15
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	2695
4	TDS	mg/l	1710
5	COD	mg/l	36
6	BOD5	mg/l	< 4
7	NH3-N	mg/l	1.5
8	PO4-P	mg/l	< 0.9
9	SO4 <sup>-</sup>	mg/l	191
10	Cl <sup>-</sup>	mg/l	565
11	Sodium Absorption Ratio	--	2.02
12	Volatile Acids	mg/l	31

#### Remarks:

Thanking you,

Analysed By



Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

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The Validity is extended for one year upto 09-08-2022

### TEST REPORT

Report Ref. No. : SEC/W-CG/07-22	End of Analysis : 06 August 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG20
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Water
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 July 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water- Shri. Ashok Narayan Teke</b>	
Latitude-19°49.666'N, Longitude- 74° 34.448'E	

Sr. No	Parameter	Unit	Result
1	pH	--	7.32
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	3120
4	TDS	mg/l	1975
5	COD	mg/l	38
6	BOD5	mg/l	9
7	NH3-N	mg/l	1.8
8	PO4-P	mg/l	< 1.0
9	SO4 <sup>-</sup>	mg/l	105
10	Cl <sup>-</sup>	mg/l	510
11	Sodium Absorption Ratio	--	2.83
12	Volatile Acids	mg/l	34

#### Remarks:

Thanking you,

Analysed By



Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

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The Validity is extended for one year upto 09-08-2022

### TEST REPORT

Report Ref. No. : SEC/W-CG/07-22	End of Analysis : 06 August 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG17
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Water
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 July 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Wari Grampanchayat Well Near Godavari River Bed</b>	
Latitude-19°48.479'N, Longitude- 74° 33.782'E	

Sr. No	Parameter	Unit	Result
1	pH	--	7.92
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	413
4	TDS	mg/l	260
5	COD	mg/l	8
6	BOD5	mg/l	< 4
7	NH3-N	mg/l	1.0
8	PO4-P	mg/l	1.2
9	SO4 <sup>-</sup>	mg/l	31
10	Cl <sup>-</sup>	mg/l	20
11	Sodium Absorption Ratio	--	2.88
12	Volatile Acids	mg/l	21

#### Remarks:

Thanking you,

Analysed By



Authorized Signatory

Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
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The Validity is extended for one year upto 09-08-2022

### TEST REPORT

Report Ref. No. : SEC/W-CG/07-22	End of Analysis : 06 August 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022
Address: Sakarwadi- 413708, Tq- Kopergaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG21
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Water
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 July 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water- Dispensary Well</b>	

Sr. No	Parameter	Unit	Result
1	pH	--	7.87
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	1340
4	TDS	mg/l	708
5	COD	mg/l	31
6	BOD5	mg/l	< 4
7	NH3-N	mg/l	1.2
8	PO4-P	mg/l	< 1.0
9	SO4 <sup>-</sup>	mg/l	33
10	Cl <sup>-</sup>	mg/l	167
11	Sodium Absorption Ratio	--	2.16
12	Volatile Acids	mg/l	31

#### Remarks:

Thanking you,

Analysed By



Authorized Signatory

Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

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The Validity is extended for one year upto 09-08-2022

### TEST REPORT

Report Ref. No. : SEC/W-CG/07-22	End of Analysis : 06 August 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG35
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Water
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 July 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Borewell Water- Shri. Bhausaheb Bhagwat Barhate</b>	

Sr. No	Parameter	Unit	Result
1	pH	--	7.62
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	1690
4	TDS	mg/l	970
5	COD	mg/l	29
6	BOD5	mg/l	< 4
7	NH3-N	mg/l	0.5
8	PO4-P	mg/l	< 1.0
9	SO4 <sup>-</sup>	mg/l	29
10	Cl <sup>-</sup>	mg/l	159
11	Sodium Absorption Ratio	--	2.08
12	Volatile Acids	mg/l	19

#### Remarks:

Thanking you,

Analysed By



Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
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NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 09-08-2021

The Validity is extended for one year upto 09-08-2022


### TEST REPORT

Report Ref. No. : SEC/W-CG/07-22	End of Analysis : 06 August 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG21
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Water
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 July 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water- Dispensary Well</b>	

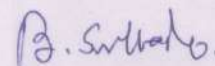
Sr. No	Parameter	Unit	Result
1	pH	--	7.87
2	Colour	Hazan	40
3	Electric Conductivity	µmhos/cm	1340
4	TDS	mg/l	708
5	COD	mg/l	31
6	BOD5	mg/l	< 4
7	NH3-N	mg/l	1.2
8	PO4-P	mg/l	< 1.0
9	SO4 <sup>-</sup>	mg/l	33
10	Cl <sup>-</sup>	mg/l	167
11	Sodium Absorption Ratio	--	2.16
12	Volatile Acids	mg/l	31

#### Remarks:

Thanking you,

  
Analysed By





Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*





Godavari Biorefineries Ltd

GBL/SAK/CPCB/ 127

Date -31/10/2022

To,  
**The Member Secretary,**  
Central Pollution Control Board,  
Parivesh Bhavan, East Arjun Nagar  
Delhi-110032

**Subject:** - Reply in compliance with directions dated 15.11.2021 (Quarterly Monitoring Reports)

- Ref.-** 1) CM-13015/39/2021-IPC-III-HO-CPCB-HO/8854, Dated 15/11/2021,  
2) CM-13015/39/2021-IPC-III-HO-CPCB-HO/029, Dated 19/05/2022  
3) GBL/SAK/CPCB/2366 dated 28/03/2022

Respected Sir,

With reference to the above mentioned reference letter no-2-CM-13015/39/2021-IPC-III-HO-CPCB-HO/029, Dated 19/05/2022- Minutes of Meeting page no-2 point no-6, we have conducted quarterly monitoring of locations identified by CPCB mentioned in letter dated 1511/2021 and instruction given during the site visit of CPCB and MPCB team on 08/06/2022 and 09/06/2022.

Total 14 locations identified for quarterly monitoring.

Out of these 14 locations, **Location No-5:** Open dug well in Godavari River (N19° 49.92', E74° 33.55') sampling not done as Godavari River is flowing and this well is beneath of Godavari River water.

Remaining 13 locations quarterly monitoring report attached herewith as Annexure.

This is for your information and record please.

Thanking you,

Yours Faithfully,  
**For Godavari Biorefineries Ltd., Sakarwadi.**

  
**Director (Works)**

Encl: Analysis Reports in the month of October-2022

P. O. : Sakarwadi, Tal Kopergaon, Dist Ahmednagar 413 708. (M.S.) INDIA  
Tel : (02423) 279308/ 279396 / 279440 Fax : (02423) 279339 E-mail : sakarwadi@somaiya.com

**Regd. Office :** Somaiya Bhavan, 45/47, Mahatma Gandhi Road, Fort, Mumbai - 400 001 INDIA.  
Tel : (91-22) 2204 8272 / 2285 8430 Fax : (91-22) 2204 7297 www.somaiya.com

  
G R O U P

CIN : U67120MH1956PLC009707



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

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The Validity is extended for one year upto 09-08-2022


### TEST REPORT

Report Ref. No. : SEC/W-CU/09-22	End of Analysis : 06 October 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : CU10
Date of Collection / Sampling : 28 September 2022	Nature of Sample: Water
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 September 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water: Shri. Machindra Jayaram Kajale</b>	
Latitude-19°50.117'N, Longitude- 74° 33.819'E	

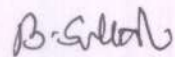
Sr. No	Parameter	Unit	Result
1	pH	--	8.06
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	3410
4	TDS	mg/l	1908
5	COD	mg/l	35
6	BOD5	mg/l	10
7	NH3-N	mg/l	2.7
8	PO4-P	mg/l	1.5
9	SO4 <sup>-</sup>	mg/l	490
10	Cl <sup>-</sup>	mg/l	735
11	Sodium Absorption Ratio	--	3.88
12	Volatile Acids	mg/l	51

#### Remarks:

Thanking you,

  
Analysed By



  
Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
Phone : Sangli - 0233 - 2301857, (M) 9372109522, 9890992118, 9890454493,  
E-mail : bssubbarao@yahoo.com / bssharat@yahoo.com / bsnagjyoti@yahoo.com  
QCI - NABET Accredited EIA Consultant Organization - Certificate No.

NABET / EIA / 1922 / RA 0159 valid upto June 12, 2022,

NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 09-08-2021  
The Validity is extended for one year upto 09-08-2022

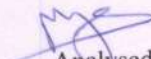
### TEST REPORT

Report Ref. No. : SEC/W-CU/09-22	End of Analysis : 06 October 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : CU11
Date of Collection / Sampling : 28 September 2022	Nature of Sample: Water
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 September 2022	Sample Quantity : 1 lit
Name of Sample & Location: - <b>Handpump Water: Sangale Wasti.</b>	
Latitude-19°50.567'N, Longitude- 74°33.564'E	

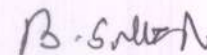
Sr. No	Parameter	Unit	Result
1	pH	--	7.54
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	4190
4	TDS	mg/l	1840
5	COD	mg/l	35
6	BOD5	mg/l	6
7	NH3-N	mg/l	2.3
8	PO4-P	mg/l	0.81
9	SO4 <sup>2-</sup>	mg/l	128
10	Cl <sup>-</sup>	mg/l	315
11	Sodium Absorption Ratio	--	3.14
12	Volatile Acids	mg/l	29

#### Remarks:

Thanking you,

  
Analysed By



  
Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
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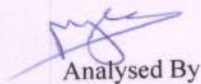
### TEST REPORT

Report Ref. No. : SEC/W-CU/09-22	End of Analysis : 06 October 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : CU12
Date of Collection / Sampling : 28 September 2022	Nature of Sample: Water
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 September 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water: Shri. Ashok Kajale</b>	
Latitude-19°49.878'N, Longitude- 74° 33.921'E	

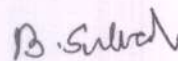
Sr. No	Parameter	Unit	Result
1	pH	--	8.19
2	Colour	Hazan	55
3	Electric Conductivity	µmhos/cm	3390
4	TDS	mg/l	1810
5	COD	mg/l	38
6	BOD5	mg/l	8
7	NH3-N	mg/l	2.6
8	PO4-P	mg/l	1.2
9	SO4 <sup>-</sup>	mg/l	363
10	Cl <sup>-</sup>	mg/l	535
11	Sodium Absorption Ratio	--	3.75
12	Volatile Acids	mg/l	51

#### Remarks:

Thanking you,

  
Analysed By



  
Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
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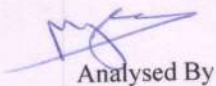
### TEST REPORT

Report Ref. No. : SEC/W-CU/09-22	End of Analysis : 06 October 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : CU13
Date of Collection / Sampling : 28 September 2022	Nature of Sample: Water
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 September 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water: Shri. Santosh Shrihari Walunj</b>	
Latitude-19°49.938'N, Longitude- 74° 33.959'E	

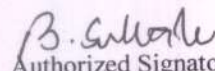
Sr. No	Parameter	Unit	Result
1	pH	--	7.98
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	2184
4	TDS	mg/l	1150
5	COD	mg/l	29
6	BOD5	mg/l	< 4
7	NH3-N	mg/l	0.7
8	PO4-P	mg/l	ND
9	SO4 <sup>2-</sup>	mg/l	136
10	Cl <sup>-</sup>	mg/l	612
11	Sodium Absorption Ratio	--	4.31
12	Volatile Acids	mg/l	38

#### Remarks:

Thanking you,

  
Analysed By



  
Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
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### TEST REPORT

Report Ref. No. : SEC/W-CU/09-22	End of Analysis : 06 October 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : CU15
Date of Collection / Sampling : 28 September 2022	Nature of Sample: Water
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 September 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water: Shri. Dattu Lakare</b>	
Latitude-19°49.019'N, Longitude- 74° 33.747'E	

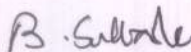
Sr. No	Parameter	Unit	Result
1	pH	--	8.03
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	1106
4	TDS	mg/l	735
5	COD	mg/l	16
6	BOD5	mg/l	< 4
7	NH3-N	mg/l	0.1
8	PO4-P	mg/l	0.5
9	SO4 <sup>-</sup>	mg/l	43
10	Cl <sup>-</sup>	mg/l	105
11	Sodium Absorption Ratio	--	2.95
12	Volatile Acids	mg/l	24

#### Remarks:

Thanking you,

  
Analysed By



  
Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
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### TEST REPORT

Report Ref. No. : SEC/W-CU/09-22	End of Analysis : 06 October 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : CU16
Date of Collection / Sampling : 28 September 2022	Nature of Sample: Water
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 September 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Borewell: Maharashtra Rajya Sethi Mahamandal, Sakarwadi.</b>	
Latitude-19°49.113'N, Longitude- 74° 34.328'E	

Sr. No	Parameter	Unit	Result
1	pH	--	7.51
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	1560
4	TDS	mg/l	1042
5	COD	mg/l	21
6	BOD5	mg/l	< 4
7	NH3-N	mg/l	1.5
8	PO4-P	mg/l	< 1.0
9	SO4 <sup>-</sup>	mg/l	23
10	Cl <sup>-</sup>	mg/l	109
11	Sodium Absorption Ratio	--	2.15
12	Volatile Acids	mg/l	23

#### Remarks:

Thanking you,

Analysed By

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.



*B. Subbarao*  
Authorized Signatory  
Technical Manager/ Quality Manager

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
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### TEST REPORT

Report Ref. No. : SEC/W-CU/09-22	End of Analysis : 06 October 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : CU17
Date of Collection / Sampling : 28 September 2022	Nature of Sample: Water
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 September 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water: Wari Police Door Kshetra, Wari</b>	
Latitude-19°48.950'N, Longitude- 74°34.087'E	

Sr. No	Parameter	Unit	Result
1	pH	--	7.82
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	2042
4	TDS	mg/l	1150
5	COD	mg/l	35
6	BOD5	mg/l	6
7	NH3-N	mg/l	1.05
8	PO4-P	mg/l	1.2
9	SO4 <sup>-</sup>	mg/l	163
10	Cl <sup>-</sup>	mg/l	538
11	Sodium Absorption Ratio	--	3.93
12	Volatile Acids	mg/l	22

#### Remarks:

Thanking you,

Analysed By

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.



*B. Subbarao*  
Authorized Signatory  
Technical Manager/ Quality Manager

\*\*\*END of Test Report \*\*\*





# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
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### TEST REPORT

Report Ref. No. : SEC/W-CU/09-22	End of Analysis : 06 October 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : CU18
Date of Collection / Sampling : 28 September 2022	Nature of Sample: Water
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 September 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water: Near Kanehegaon Railway Station</b>	
Latitude-19°49.065'N, Longitude- 74° 34.287'E	

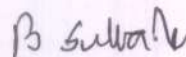
Sr. No	Parameter	Unit	Result
1	pH	--	8.07
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	2352
4	TDS	mg/l	1560
5	COD	mg/l	32
6	BOD5	mg/l	< 4
7	NH3-N	mg/l	1.4
8	PO4-P	mg/l	< 0.8
9	SO4 <sup>-</sup>	mg/l	162
10	Cl <sup>-</sup>	mg/l	534
11	Sodium Absorption Ratio	--	2.01
12	Volatile Acids	mg/l	29

#### Remarks:

Thanking you,

  
Analysed By



  
Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
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### TEST REPORT

Report Ref. No. : SEC/W-CU/09-22	End of Analysis : 06 October 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : CU19
Date of Collection / Sampling : 28 September 2022	Nature of Sample: Water
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 September 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water: Shri. Ashok Narayan Teke</b>	
Latitude-19°49.666'N, Longitude- 74° 34.448'E	

Sr. No	Parameter	Unit	Result
1	pH	--	7.27
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	2860
4	TDS	mg/l	1739
5	COD	mg/l	26
6	BOD5	mg/l	7
7	NH3-N	mg/l	1.7
8	PO4-P	mg/l	< 1.0
9	SO4 <sup>-</sup>	mg/l	92
10	Cl <sup>-</sup>	mg/l	495
11	Sodium Absorption Ratio	--	2.81
12	Volatile Acids	mg/l	30

#### Remarks:

Thanking you,

Analysed By



*B. Subbarao*  
Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
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### TEST REPORT

Report Ref. No. : SEC/W-CU/09-22	End of Analysis : 06 October 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : CU20
Date of Collection / Sampling : 28 September 2022	Nature of Sample: Water
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 September 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water: Wari Grampanchayat Well Near Godavari River Bed</b>	
Latitude-19°48.479'N, Longitude- 74° 33.782'E	

Sr. No	Parameter	Unit	Result
1	pH	--	8.10
2	Colour	Hazan	Colourless
3	Electric Conductivity	µmhos/cm	390
4	TDS	mg/l	277
5	COD	mg/l	12
6	BOD5	mg/l	< 4
7	NH3-N	mg/l	1.0
8	PO4-P	mg/l	1.2
9	SO4 <sup>-</sup>	mg/l	35
10	Cl <sup>-</sup>	mg/l	21
11	Sodium Absorption Ratio	--	2.86
12	Volatile Acids	mg/l	20

#### Remarks:

Thanking you,

Analysed By

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.



*B. Subbarao*  
Authorized Signatory  
Technical Manager/ Quality Manager

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

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### TEST REPORT

Report Ref. No. : SEC/W-CU/09-22	End of Analysis : 06 October 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : CU21
Date of Collection / Sampling : 28 September 2022	Nature of Sample: Water
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 September 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water: Shri. Suresh Baburao Sangale</b>	

Sr. No	Parameter	Unit	Result
1	pH	--	7.92
2	Colour	Hazan	Colourless
3	Electric Conductivity	$\mu$ mhos/cm	1682
4	TDS	mg/l	910
5	COD	mg/l	11
6	BOD5	mg/l	< 4
7	NH3-N	mg/l	0.5
8	PO4-P	mg/l	< 1.0
9	SO4 <sup>2-</sup>	mg/l	35
10	Cl <sup>-</sup>	mg/l	169
11	Sodium Absorption Ratio	--	2.41
12	Volatile Acids	mg/l	20

#### Remarks:

Thanking you,

Analysed By



*B. Suresh Baburao*  
Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.

Phone : Sangli - 0233 - 2301857, (M) 9372109522, 9890992118, 9890454493,

E-mail : bssubbarao@yahoo.com / bssharat@yahoo.com / bsnagjyoti@yahoo.com

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The Validity is extended for one year upto 09-08-2022

### TEST REPORT

Report Ref. No. : SEC/W-CU/09-22	End of Analysis : 06 October 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : CU22
Date of Collection / Sampling : 28 September 2022	Nature of Sample: Water
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 September 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Well Water: Dispensary Well</b>	

Sr. No	Parameter	Unit	Result
1	pH	--	7.81
2	Colour	Hazan	35
3	Electric Conductivity	$\mu$ mhos/cm	1380
4	TDS	mg/l	706
5	COD	mg/l	32
6	BOD5	mg/l	< 4
7	NH3-N	mg/l	1.5
8	PO4-P	mg/l	< 1.0
9	SO4 <sup>-</sup>	mg/l	41
10	Cl <sup>-</sup>	mg/l	235
11	Sodium Absorption Ratio	--	2.17
12	Volatile Acids	mg/l	31

#### Remarks:

Thanking you,

Analysed By



*B. Sullado*  
Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
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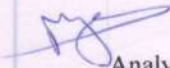
### TEST REPORT

Report Ref. No. : SEC/W-CU/09-22	End of Analysis : 06 October 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : CU23
Date of Collection / Sampling : 28 September 2022	Nature of Sample: Water
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab
Date of Analysis: 30 September 2022	Sample Quantity : 1 lit
Name of Sample & Location: <b>Borewell Water: Shri. Bhausaheb Bhagwat Barhate</b>	

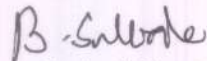
Sr. No	Parameter	Unit	Result
1	pH	--	7.49
2	Colour	Hazan	Colourless
3	Electric Conductivity	$\mu$ hos/cm	1547
4	TDS	mg/l	902
5	COD	mg/l	22
6	BOD5	mg/l	< 4
7	NH3-N	mg/l	0.5
8	PO4-P	mg/l	< 1.0
9	SO4 <sup>-</sup>	mg/l	32
10	Cl <sup>-</sup>	mg/l	180
11	Sodium Absorption Ratio	--	2.11
12	Volatile Acids	mg/l	18

#### Remarks:

Thanking you,

  
Analysed By



  
Authorized Signatory  
Technical Manager/ Quality Manager

#### Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

\*\*\*END of Test Report \*\*\*

# **Annexure - II**



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

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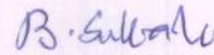
### AMBIENT AIR QUALITY REPORT

Report Ref. No. : SEC/AA- CG/07-22	End of Analysis : 06 August 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmदनगर	Lab ID/Sample Ref. No. : CG-VOC1
Date of Collection / Sampling : 25 July 2022	Nature of Sample: Ambient Air
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab
Sample Location : <b>Near MPO Plant</b>	

Sr. No.	Parameter	Unit	Result
1	Total VOCs	ppm	0.40

  
Analyzed By



  
Authorized Signatory  
Technical Manager/ Quality Manager





# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

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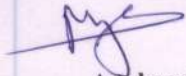
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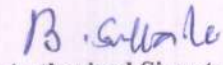
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### AMBIENT AIR QUALITY REPORT

Report Ref. No. : SEC/AA- CG/07-22	End of Analysis : 06 August 2022		
Name of Industry/Customer : Godavari Biorefineries Ltd.	Report Date : 07 August 2022		
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG-VOC2		
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Ambient Air		
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab		
Sample Location : Near Crotonaldehyde Plant			
Sr. No.	Parameter	Unit	Result
1	Total VOCs	ppm	0.52

  
Analyzed By



  
Authorized Signatory  
Technical Manager/ Quality Manager



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## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.

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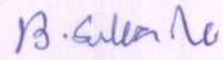
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### AMBIENT AIR QUALITY REPORT

Report Ref. No. : SEC/AA- CG/07-22	End of Analysis : 06 August 2022		
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022		
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG-VOC3		
Date of Collection / Sampling : 25 July 2022	Nature of Sample: Ambient Air		
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab		
Sample Location : <b>Near 1-3 BG Plant</b>			
Sr. No.	Parameter	Unit	Result
1	Total VOCs	ppm	0.48

  
Analyzed By



  
Authorized Signatory  
Technical Manager/ Quality Manager



# SEC

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### AMBIENT AIR QUALITY REPORT

Report Ref. No. : SEC/AA- CG/07-22	End of Analysis : 06 August 2022		
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022		
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG-VOC4		
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Ambient Air		
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab		
Sample Location : <b>Near R &amp; D Plant</b>			
Sr. No.	Parameter	Unit	Result
1	Total VOCs	ppm	0.51

Analyzed By



Authorized Signatory

Technical Manager/ Quality Manager



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER


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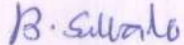
### AMBIENT AIR QUALITY REPORT

Report Ref. No. : SEC/AA- CG/07-22	End of Analysis : 06 August 2022
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG-VOC5
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Ambient Air
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab
Sample Location : <b>Near Ethyl Acetate Plant</b>	

Sr. No.	Parameter	Unit	Result
1	Total VOCs	ppm	0.49

  
Analyzed By



  
Authorized Signatory  
Technical Manager/ Quality Manager



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

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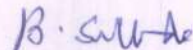
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### AMBIENT AIR QUALITY REPORT

Report Ref. No. : SEC/AA- CG/07-22	End of Analysis : 06 August 2022		
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022		
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG-VOC6		
Date of Collection / Sampling : 26 July 2022	Nature of Sample: Ambient Air		
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab		
Sample Location : <b>Near Acetaldehyde Plant</b>			
Sr. No.	Parameter	Unit	Result
1	Total VOCs	ppm	0.61

  
Analyzed By



  
Authorized Signatory  
Technical Manager/ Quality Manager



# SEC

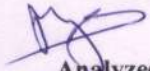
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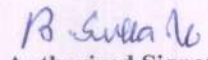
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### AMBIENT AIR QUALITY REPORT

Report Ref. No. : SEC/AA- CG/07-22	End of Analysis : 06 August 2022		
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 August 2022		
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : CG-VOC7		
Date of Collection / Sampling : 25 July 2022	Nature of Sample: Ambient Air		
Date of Receipt : 29 July 2022	Sample Collected By: SEC Lab		
Sample Location : <b>Near MPP Plant</b>			
Sr. No.	Parameter	Unit	Result
1	Total VOCs	ppm	0.59

  
Analyzed By



  
Authorized Signatory  
Technical Manager/ Quality Manager



# SEC


## Dr. SUBBARAO'S ENVIRONMENT CENTER

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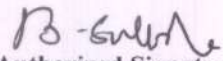
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### AMBIENT AIR QUALITY REPORT

Report Ref. No. : SEC/AA-CU/09-22	End of Analysis : 06 October 2022		
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022		
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : VOC1-CU		
Date of Collection / Sampling : 26 September 2022	Nature of Sample: Ambient Air		
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab		
Sample Location : <b>Near MPO Plant</b>			
Sr. No.	Parameter	Unit	Result
1	Total VOCs	ppm	0.46

  
Analyzed By



  
Authorized Signatory  
Technical Manager/ Quality Manager



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

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Report Ref. No. : SEC/AA-CU/09-22	End of Analysis : 06 October 2022		
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022		
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : VOC2-CU		
Date of Collection / Sampling : 26 September 2022	Nature of Sample: Ambient Air		
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab		
Sample Location : <b>Near Crotonaldehyde Plant</b>			
Sr. No.	Parameter	Unit	Result
1	Total VOCs	ppm	0.59

Analyzed By



*B. Subbarao*  
Authorized Signatory  
Technical Manager/ Quality Manager





# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

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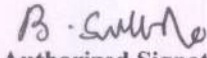
The Validity is extended for one year upto 09-08-2022

### AMBIENT AIR QUALITY REPORT

Report Ref. No. : SEC/AA-CU/09-22	End of Analysis : 06 October 2022		
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022		
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : VOC3-CU		
Date of Collection / Sampling : 27 September 2022	Nature of Sample: Ambient Air		
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab		
Sample Location : <b>Near 1-3 BG Plant</b>			
Sr. No.	Parameter	Unit	Result
1	Total VOCs	ppm	0.46

  
Analyzed By



  
Authorized Signatory  
Technical Manager/ Quality Manager



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

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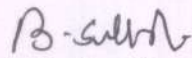
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The Validity is extended for one year upto 09-08-2022

### AMBIENT AIR QUALITY REPORT

Report Ref. No. : SEC/AA-CU/09-22	End of Analysis : 06 October 2022		
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022		
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : VOC4-CU		
Date of Collection / Sampling : 27 September 2022	Nature of Sample: Ambient Air		
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab		
Sample Location : <b>Near R &amp; D Plant</b>			
Sr. No.	Parameter	Unit	Result
1	Total VOCs	ppm	0.56

  
Analyzed By



  
Authorized Signatory  
Technical Manager/ Quality Manager



# SEC

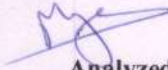
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"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
Phone : Sangli - 0233 - 2301857, (M) 9372109522, 9890992118, 9890454493,  
E-mail : bssubbarao@yahoo.com / bssharat@yahoo.com / bsnagjyoti@yahoo.com  
QCI - NABET Accredited EIA Consultant Organization - Certificate No.

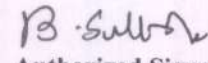
NABET / EIA / 1922 / RA 0159 valid upto June 12, 2022,  
NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 09-08-2021  
The Validity is extended for one year upto 09-08-2022

### AMBIENT AIR QUALITY REPORT

Report Ref. No. : SEC/AA-CU/09-22	End of Analysis : 06 October 2022		
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022		
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : VOC5-CU		
Date of Collection / Sampling : 27 September 2022	Nature of Sample: Ambient Air		
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab		
Sample Location : <b>Near Ethyl Acetate Plant</b>			
Sr. No.	Parameter	Unit	Result
1	Total VOCs	ppm	0.53

  
Analyzed By



  
Authorized Signatory  
Technical Manager/ Quality Manager



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER


"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
Phone : Sangli - 0233 - 2301857, (M) 9372109522, 9890992118, 9890454493,  
E-mail : bssubbarao@yahoo.com / bssharat@yahoo.com / bsnagjyoti@yahoo.com  
QCI - NABET Accredited EIA Consultant Organization - Certificate No.

NABET / EIA / 1922 / RA 0159 valid upto June 12, 2022,

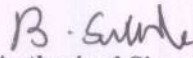
NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 09-08-2021  
The Validity is extended for one year upto 09-08-2022

### AMBIENT AIR QUALITY REPORT

Report Ref. No. : SEC/AA-CU/09-22	End of Analysis : 06 October 2022		
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022		
Address: Sakarwadi- 413708, Tq- Kopergaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : VOC6-CU		
Date of Collection / Sampling : 28 September 2022	Nature of Sample: Ambient Air		
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab		
Sample Location : <b>Near Acetaldehyde Plant</b>			
Sr. No.	Parameter	Unit	Result
1	Total VOCs	ppm	0.63

  
Analyzed By



  
Authorized Signatory  
Technical Manager/ Quality Manager



# SEC

## Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhati", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.  
Phone : Sangli - 0233 - 2301857, (M) 9372109522, 9890992118, 9890454493,  
E-mail : bssubbarao@yahoo.com / bssharat@yahoo.com / bsnagjyoti@yahoo.com

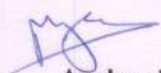
QCI - NABET Accredited EIA Consultant Organization - Certificate No.

NABET / EIA / 1922 / RA 0159 valid upto June 12, 2022,

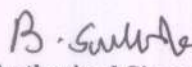
NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 09-08-2021  
The Validity is extended for one year upto 09-08-2022

### AMBIENT AIR QUALITY REPORT

Report Ref. No. : SEC/AA-CU/09-22	End of Analysis : 06 October 2022		
Name of Industry/Customer : <b>Godavari Biorefineries Ltd.</b>	Report Date : 07 October 2022		
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : VOC7-CU		
Date of Collection / Sampling : 28 September 2022	Nature of Sample: Ambient Air		
Date of Receipt : 29 September 2022	Sample Collected By: SEC Lab		
Sample Location : <b>Near MPP Plant</b>			
Sr. No.	Parameter	Unit	Result
1	Total VOCs	ppm	0.58

  
Analyzed By



  
Authorized Signatory  
Technical Manager/ Quality Manager

# **Annexure - III**

# BABASAHEB BAPUSAHEB TIKKAL

Date: 30/9/2022

At-Post : WARI-413 708

Tal : Kopargaon Dist : Ahmednagar.

Mob.8623900995, 9881525292

Vendor No. 207899

PAN No. AFTPT0905K

3606A90  
S105921531  
30.09.22

P.O. No. 4500238989

S.E.No. 1-22892

G.R.D. No. 5-21538

Bill No. 293

Invoice to .GODAVARI BIOREFINERIED LTD.SAKARWADI

S.No.	PARTICULARS	QTY	UNIT	RATE	AMOUNT
*	कुट्ट वरगी ते कोरनामा रेड वरील मुकुम वाहणे. एखा दिवा 30	30	दिवा	500	15,000
				TDS	15000
				Net:	14850000
				Total:	

*Sandagar*

*30/9/22*

Rs. In Words

Reciver Sign.

*Tikkal B.B*

For- BABASAHEB BAPUSAHEB TIKKAL

056

**N P. KARDE**



Date 25/7/2022

Address: Kanhegaon Pin-413 708  
: KOPARGAON  
: AHMEDNAGAR  
VENDOR No.: 208942  
PAN: : CKVPK2161H

P. O. NO. 4500234612  
SER. ENT. NO. 1600226022  
G. R. DOC. NO. 5000015730

INVOICE TO :- Godavari Bioseparates Ltd. Sakinadi. <sup>date: 25/7/2022</sup>

S.N.	PARTICULARS	M.B.N	QTY.	UNIT	RATE	AMOUNT
1	portland machine hire for vari village Thormise & thombre water dam		10	Hrs	2200/-	22,000/-
	<p><u>3603762</u> <u>5105915795</u> <u>25.07.22</u></p> <p>Deduction TDS % = <u>220200</u> Deposit = Advance = P.F. =</p>					<p>22,000/-</p>
<b>NET TOTAL -</b>						<b>21780200</b>

Rs.....

*Nitin P. Karde*  
**For - Nitin P. Karde**



# BABASAHEB BAPUSAHEB TIKKAL

Date: 01/09/2022

Post: WARI-413 708

Address: Kopargaon Dist: Ahmednagar. 10345442

Mob. 8623900995, 9881525292

P.O. No. 4500236164

S.E.No. 1000228035

G.R.D. No. 5000019297

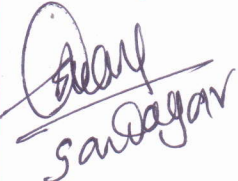

Vendor No. 207899

3605611  
5105919801  
13.09.22

PAN No. AFTPT0905K

Bill No. 282

Invoice to .GODAVARI BIOREFINERIED LTD.SAKARWADI

S.No.	PARTICULARS	QTY	UNIT	RATE	AMOUNT
	murum - 04 chamber Savanstar School - AGRIKAWA  	04		6500	260001
				TDS	260200
				Net:	260001
				Total:	25740200

Rs. In Words \_\_\_\_\_

Receiver Sign.

  
For: BABASAHEB BAPUSAHEB TIKKAL

10345442

Bill No. : 5

3605833  
5105920256

Mr. Vishal A. Teke

19.09.22

Date : 01/08/2022

At. Post : Wari

P. O. No. :

4500236380

Tal. - Kopergaon, Dist. - Ahmednagar

Pin - 413708

SER. ENT. No. :

1000228222

Mob. No. 9665838508

G. R. DOC. No.:

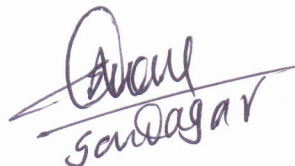
5000020271

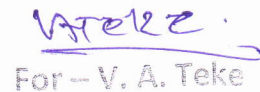
VENDOR No. -

212782

Invoice To. - GODAVARI BIOREFINERIES LTD. SAKARWADI.

Sr. No.	Particulars	M.B.N.	QTY.	UNIT	RATE	AMOUNT
17	वॉटर - 19105/23 ग्रामपंचायत वारी - काय्या काठो.  राकूण: 10 तास  DEDUCTIONS = TDS. % = DEPOSITE = ADVANCE = P.F. =		10 तास		600	6000/-
						6,000/-
Amount in words - सहा हजार रुपये मात्र						TDS - 60500 NET - 5940500

  
Anand Sawdagar

  
For - V. A. Teke



Bill No:- 6002

Date:- 16/9/2022

Shri. Navnath S. Gaikwad

A/P:- Baptra

Tal:- Vaijapur

Dist:- Aurangabad

Phone:- (02423) 283101

Mobile:- 9421938336

Vender No.:- 205668

PAN Card No:-

Cost Center:-

3603950  
5105915942  
15.09.22

4500233828  
1 — 225505  
5 — 14566

INVOICE TO:- GODAVARI BIOREFINERIES LT.D SAKARWADI

Sr. No.	Operation	Unit	Rate / Unit (Rs.)	Total Amount (Rs.)
1	Removing of street shrub from Dongaon Gram panchayat in Gram panchayat Area.	42 hours	600/- per hour	25,200/-
Deductions HSD oil in litre ----- @----- amount TDS 2.2%= 252200 Advance any =-----				25,200/-
Net amount =				24948200

In word:-----

25/9/22

For :- Navnath S. Gaikwad  
9421938336

# **Annexure - IV**

“ ग्रामपंचायत हाच खरा लोकशाहीचा पाया आहे ”

## ग्रामपंचायत कार्यालय – सडे

स्थापणा ०९/०७/१९६२

जि. अहमदनगर

दिनांक- ०७/०९/२०२२



प्रति,

मा.व्यवस्थापक साहेब  
गोदावरी बायोरेफायनरीज  
लि.साकरवाडी


यांचेकडेस

विषय:- मौजे सडे ता.कोपरगाव येथील ग्रा.पं.ने हिमालय नर्सरी राहता येथून वृक्ष लागवड करणे कामी रोपे आणले बाबत.

मा.महोदय,

उपरोक्त विषयास अनुसरून आपणास विनंती रिपोर्ट करणेत येतो की, मौजे सडे ग्रा.पं.ने बिहार पटर्न वृक्ष लागवड करणे कामी हिलामय रोझ नर्सरी अस्तगाव राहता येथून विविध प्रकारचे २४८ वृक्ष रु. ८२६०/- इतकी रक्कम तरी मे. साहेबांना विनंती की आपले कारखाना मार्फत सदर रोपांचे अनुदान मिळावे हि विनंती.

कळावे,

  
ग्रामपंचायत कार्यालय, सडे, जि. अ. नगर

- कोटेशन / कॅश / क्रेडीट मेमो PRN<sup>o</sup> = 10345518

## हिमालय रोज़ नर्सरी, अस्तगांव

नगर - मनमाड रोड (अस्तगांव माथा) ता. राहाता, जि. अहमदनगर  
प्रोप्रा - श्री. आबासाहेब तान्हाजी नळे मो. ९८२२९१०९९५, ७०४०३९०००६

नंबर 540 दि. 7 / / 2019  
श्री. रा. रा.

अ.नं.	तपशिल	नग	दर	एकूण रुपये
1	काउचा =	11	100	1100/-
2	पिच	60	20	1200/-
3	जोशुक	60	20	1200/-
4	आवळा	25	20	500/-
5	साग	10	20	200/-
6	करिडोपाम	2	150	300/-
7	मोरपखी	4	70	280/-
8	जेटपा	2	20	40/-
9	तांदूळ	10	150	1500/-
10	पेरु	5	40	200/-
11	करोपाम	5	20	100/-
12	मि. कुं	5	20	100/-
13	शेवगा	25	20	500/-
14	सिनाफर	10	35	350/-
15	दिविग	3	50	150/-
16	धन्यवाद!			
			एकूण -	7720/-

अक्षरी सात हजार सातश वीस रुपये मात्र रोख मिळाले.

पैसे देणाराची सही

हिमालय रोज़ नर्सरी, करिता.

- कोटेशन / कॅश / क्रेडीट मेमो

## हिमालय रोज़ नर्सरी, अस्तगांव

नगर - मनमाड रोड (अस्तगांव माथा) ता. राहाता, जि. अहमदनगर

प्रोप्रा-श्री. आबासाहेब तान्हाजी नळे मो. ९८२२९१०९९५, ७०४०३९०००६

नंबर 541  
श्री. रा. रा.

दि. 7 / / 2019

अ.नं.	तपशिल	नग	दर	एकूण रुपये
(16)	कोटण डू	5	50	250/-
(17)	सामळस	2	60	120/-
(18)	यवराग्री	2	20	40/-
(19)	सोपमफिड्या	1	60	60/-
(20)	रबर डू	1	70	70/-
				540/-
				7720/-
धन्यवाद !				एकूण - 8260/-

अक्षरी

रुपये मात्र रोख मिळाले.

पैसे देणाराची सही

हिमालय रोज़ नर्सरी, करिता.



# **Annexure - V**



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000043841

### Submitted Date

08-08-2022

## PART A

### Company Information

#### Company Name

M/s- Godavari Biorefineries Ltd.

#### Application UAN number

MPCB-CONSENT-0000093199

#### Address

A/p- Sakarwadi, Tal- Kopargaon, Dist- Ahmednagar

#### Plot no

158-165, 167-178, 180/1, 180/2, 181/1, 181/2, 187/1, 187/2,188, 189, 199, 511, 139/2

#### Taluka

Kopargaon

#### Village

Sakarwadi

#### Capital Investment (In lakhs)

16645

#### Scale

LSI

#### City

Ahmednagar

#### Pincode

413708

#### Person Name

Mr. Suhas Uttam Godage

#### Designation

Director (Works)

#### Telephone Number

02423279442

#### Fax Number

02423279339

#### Email

director.sakarwadi@somaiya.com

#### Region

SRO-Ahmednagar

#### Industry Category

Red

#### Industry Type

R22 Organic Chemicals manufacturing

#### Last Environmental statement submitted online

yes

#### Consent Number

Format 1.0/CAC/UAN No.  
0000093199/CO-2006001085

#### Consent Issue Date

24/06/2020

#### Consent Valid Upto

31/08/2024

#### Establishment Year

1957

#### Date of last environment statement submitted

Sep 24 2021 12:00:00:000AM

#### Industry Category Primary (STC Code) & Secondary (STC Code)

### Product Information

#### Product Name

2-Ethyl-1-Butanol

#### Consent Quantity

84.00

#### Actual Quantity

1.34

#### UOM

MT/A

Acetaldehyde

17900.40

13801.177

MT/A

Acetic Acid

7186.20

4283.638

MT/A

Dilute Acetic Acid

1320.00

1245.789

MT/A

Ethyl Acetate

64800.00

40638.500

MT/A

Crotonaldehyde

6000.00

4044.213

MT/A

Paraldehyde	720.00	479.800	MT/A
Crotonic Anhydride	99.96	0.000	MT/A
Crotonitrile	99.96	2.500	MT/A
1-3, Butylene Glycol	499.92	499.2	MT/A
2-Ethyl, 1-3 Hexane Diol	399.96	0.000	MT/A
3-Methoxy Butanol	300.00	0.000	MT/A
3-Methyl 3-Pentene-One (MPO)	3999.96	3142.288	MT/A
Acetaldehyde Diethyl Acetal	240.00	0.000	MT/A
Ethyl Crotonate	90.00	0.000	MT/A
Tri-Ethoxy Butane (Somsal-65%)	252.00	0.000	MT/A
Herbal Extract	3.6	0.000	MT/A
Methyl Crotonate	108.00	0.000	MT/A
Methyl Beta- Amino Crotonate	180.00	0.000	MT/A
Ethyl Beta-Amino Crotonate	360.00	0.000	MT/A
Hand Sanitizer (Paavan)	2560.00	11.600	KL/A

### **By-product Information**

<b><i>By Product Name</i></b>	<b><i>Consent Quantity</i></b>	<b><i>Actual Quantity</i></b>	<b><i>UOM</i></b>
By Product Sodium Sulphate Salt (In Consent it is categorized under Hazardous & Other wastes)	2904.00	1159.400	MT/A
By Product Impure 1-3 Butylene Glycol (In Consent it is categorized under Hazardous & Other wastes)	154.80	153.200	MT/A
By Product Butanol (In Consent it is categorized under Hazardous & Other wastes)	775.20	207.165	MT/A
By Product Perfumery Material Base (In Consent it is categorized under Hazardous & Other wastes)	1580.04	777.243	MT/A
By Product Crotonaldehyde Di Urea (In Consent it is categorized under Hazardous & Other wastes)	468.00	228.006	MT/A
By Product Crotoresine (In Consent it is categorized under Hazardous & Other wastes)	72.00	0.000	MT/A
By Product 2-Ethyl Hexanol (In Consent it is categorized under Hazardous & Other wastes)	15.65	0.238	MT/A

## **Part-B (Water & Raw Material Consumption)**

### **1) Water Consumption in m3/day**

<b><i>Water Consumption for Process</i></b>	<b><i>Consent Quantity in m3/day</i></b>	<b><i>Actual Quantity in m3/day</i></b>
<b><i>Cooling</i></b>	1103.00	682.00
<b><i>Domestic</i></b>	200.00	200.00
<b><i>All others</i></b>	0.00	0.00
<b><i>Total</i></b>	2134.00	1217.00

### **2) Effluent Generation in CMD / MLD**

<b><i>Particulars</i></b>	<b><i>Consent Quantity</i></b>	<b><i>Actual Quantity</i></b>	<b><i>UOM</i></b>
Trade Effluent	910.93	255.00	CMD
Domestic Effluent	200.00	200.00	CMD

## **2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)**

<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Ethyl Acetate	1.06	1.06	Ton/Ton
Acetaldehyde	1.06	1.06	Ton/Ton
Acetic Acid	1.126	1.126	Ton/Ton
Crotonaldehyde	0.086	0.086	Ton/Ton
Paraldehyde	0.180	0.180	Ton/Ton
Crotonitrile	0.018	0.018	Ton/Ton
1-3, Butylene Glycol	0.36	0.36	Ton/Ton
3- Methyl 3- Pentene-One (MPO)	0.00	0.00	Ton/Ton
2-Ethyl-1-Butanol	0.24	0.24	Ton/Ton
Acetaldehyde Diethyl Acetal	0.00	0.00	Ton/Ton
Ethyl Crotonate	0.00	0.00	Ton/Ton
Tri-Ethoxy Butane (Somsal-65%)	0.00	0.00	Ton/Ton
Herbal Extract	0.00	0.00	Ton/Ton
Methyl Crotonate	0.00	0.00	Ton/Ton
Methyl Beta-Amino Crotonate	0.00	0.00	Ton/Ton
Ethyl Beta-Amino Crotonate	1.75	0.00	Ton/Ton
Hand Sanitizer (Paavan)	0.00	0.163	Ton/Ton

## **3) Raw Material Consumption (Consumption of raw material per unit of product)**

<b>Name of Raw Materials</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Acetaldehyde (For 2-Ethyl-1-Butanol)	2.472	2.472	Ton/Ton
Sodium Hydroxide (For 2-Ethyl-1-Butanol)	0.005	0.005	Ton/Ton
SDS/RS (For Acetaldehyde)	1.166	1.169	Ton/Ton
Acetaldehyde (For Acetic Acid)	0.883	0.887	Ton/Ton
SDS/RS (For Ethyl Acetate)	0.560	0.560	Ton/Ton
Acetic Acid (For Ethyl Acetate)	0.695	0.708	Ton/Ton
Acetaldehyde (For Crotonaldehyde)	1.50	1.24	Ton/Ton
Acetaldehyde (For 3- Methyl 3- Pentene-One (MPO))	0.609	0.627	Ton/Ton
Aldol 60% (For 1-3 Butylene Glycol)	1.95	2.04	Ton/Ton
Croto 99% (For Crotonitrile)	2.75	2.99	Ton/Ton
Thionyl Chloride (For Crotonitrile)	5.62	7.44	Ton/Ton
HAS (For Crotonitrile)	4.22	6.12	Ton/Ton
ODCB (For Crotonitrile)	5.7	11.11	Ton/Ton
Sodium Bi-Carbonate (For Crotonitrile)	4.24	4.87	Ton/Ton
Caustic Lye (For Crotonitrile)	6.39	8.31	Ton/Ton
MEK (For 3- Methyl 3- Pentene-One (MPO))	0.904	0.910	Ton/Ton
Acetaldehyde (For Paraldehyde)	1.27	1.25	Ton/Ton

**4) Fuel Consumption**

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Coal	79540.8	60643	MT/A
HSD	1883.4	63.708	KL/A

**Part-C****Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)****[A] Water**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged (Mg/Lit) Except PH,Temp,Colour</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
COD (for STP)	7.2	36	0	100 mg/lit	Within Limit
BOD (For STP-3days @27degree celcius)	3.2	16	0	30 mg/lit	Within Limit
SS (For STP)	5.6	28	0	50 mg/lit	Within Limit

**[B] Air (Stack)**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged (Mg/NM3)</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
TPM (For Tharmax Boiler-18 TPH)	0.03480	63	0	150 mg/Nm3	Within Limit
SO2 (For Tharmax Boiler-18 TPH)	0.02597	47	0	841.20 kg/day	Within Limit
TPM (For FBC Boiler-12 TPH)	0.04007	53	0	150 mg/Nm3	Within Limit
SO2 (For FBC Boiler-12 TPH)	0.02646	35	0	650.40 kg/day	Within Limit
TPM (For ISGEC Boiler-18TPH)	0.04760	61	0	150 mg/Nm3	Within Limit
SO2 (For ISGEC Boiler-18TPH)	0.03668	39	0	817.20 kg/day	Within Limit
TPM (For 590 KVA DG set)	0.00038	35	0	150 mg/Nm3	Within Limit
TPM (For 1000 KVA DG set)	0.00099	32	0	150 mg/Nm3	Within Limit

**Part-D****HAZARDOUS WASTES****1) From Process**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
5.1 Used or spent oil	1.2	1.2	KL/A
1.4 Organic residues	955.26	539.4	MT/A
20.3 Distillation residues	0.00	0.00	MT/A
1.6 Spent catalyst and molecular sieves	1.8	1.66	MT/A
31.1 Process residue and wastes	0.9	0.4	MT/A

**2) From Pollution Control Facilities**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
35.3 Chemical sludge from waste water treatment	134.67	126.177	MT/A

## Part-E

### **SOLID WASTES**

#### **1) From Process**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
NA	0.00	0.00	Kg/Day
NA	0.00	0.00	SqMtr/D

#### **2) From Pollution Control Facilities**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
Boiler Ash	25835.900	27346.41	MT/A
Dust	932.68	874.75	MT/A
MEE plant Solid Waste	21.92	54.581	MT/A

#### **3) Quantity Recycled or Re-utilized within the unit**

<b>Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
0	0.00	0.00	MT/A

## Part-F

**Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.**

#### **1) Hazardous Waste**

<b>Type of Hazardous Waste Generated</b>	<b>Qty of Hazardous Waste</b>	<b>UOM</b>	<b>Concentration of Hazardous Waste</b>
5.1 Used or spent oil	1.2	KL/A	100%- Sale to Authorized Recycler /CHWTSDF
1.4 Organic residues	2880.00	MT/A	100%-CHWTSDF Disposal
20.3 Distillation residues	69.12	MT/A	100%-CHWTSDF Disposal
1.6 Spent catalyst and molecular sieves	3.65	MT/A	100%-CHWTSDF Disposal
35.3 Chemical sludge from waste water treatment	36.5	MT/A	100%-CHWTSDF Disposal
31.1 Process residue and wastes	1	MT/A	100%-Sale to Auth. E-Waste Recycler / Handler

#### **2) Solid Waste**

<b>Type of Solid Waste Generated</b>	<b>Qty of Solid Waste</b>	<b>UOM</b>	<b>Concentration of Solid Waste</b>
Boiler Ash	23725	MT/A	Sent to Brick Manufacturer
Dust	1095	MT/A	Sent to Brick Manufacturer
MEE plant Solid Waste	109.5	MT/A	Used/Sent for Land Filling

## Part-G

**Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.**

<b>Description</b>	<b>Reduction in Water Consumption (M3/day)</b>	<b>Reduction in Fuel &amp; Solvent Consumption (KL/day)</b>	<b>Reduction in Raw Material (Kg)</b>	<b>Reduction in Power Consumption (KWH)</b>	<b>Capital Investment(in Lacs)</b>	<b>Reduction in Maintenance(in Lacs)</b>
Modification and Upgradation of Effluent Treatment Plant-600CMD including MEE having overall capacity 60 CMD	250	0.00	0.00	0.00	698.00	0.00
Modification and Upgradation of Sewage Treatment Plant-200CMD	195	0.00	0.00	0.00	53.46	0.00

## Part-H

### Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

#### [A] Investment made during the period of Environmental Statement

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
Installation of sludge dryer for reduction in sludge dryer	For reduction in final disposal quantity at CHWTSDF	35.00
Tree Plantation around industrial Premises	Increase Green Belt by doing tree plantation for Environment Protection	0.45

#### [B] Investment Proposed for next Year

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
Tree Plantation around industrial Premises	Increase Green Belt by planning to do tree plantation around factory premises.	4.00

## Part-I

### Any other particulars for improving the quality of the environment.

#### Particulars

1. Maintaining existing green belt. 2) Ash weight increased due to spraying of good amount of water on Ash for safe transportation through truck and tractors. 3) Chemical Sludge from waste water treatment plant increased due to 75-80 % moisture content 4) Treated effluent is recycled and reused for cooling tower makeup, hence no pollutant discharged into environment.

#### Name & Designation

Mr. Suhas Uttam Godage -Director (Works)

#### UAN No:

MPCB-ENVIRONMENT\_STATEMENT-0000043841

#### Submitted On:

08-08-2022

# **Annexure - VI**



# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto:cac-cell@mpcb.gov.in)



Kalpataru Point, 2nd and  
4th floor, Opp. Cine Planet  
Cinema, Near Sion Circle,  
Sion (E), Mumbai-400022

RED/L.S.I (R22)  
No:- Format1.0/CAC/UAN  
No.0000120713/CE/2204000670

Date: 12/04/2022

To,  
M/s. Godavari Biorefineries Ltd.  
159-165,180/1, 180/2, 181/1, 181/2, 187/1, 187/2, 188,  
189, 199, 158, 167-178, 511, 139/2  
Sakarwadi, Taluka - Kopargaon, Dist- Ahmednagar



Your Service is Our Duty

**Sub: Grant of Consent to Establish (Expansion) under Red/LSI**

- Ref:**
1. Consent to Operate granted vide No. Format 1.0/CAC/UAN No. 0000093199/CO-2006001085 dated 24/6/2020
  2. Environmental Clearance granted vide No. IA-J-110011/154/2019-IA-II(I) dated 06/8/2021
  3. Minutes of Consent Appraisal Committee meeting held on 25/2/2022

Your application No.MPCB-CONSENT-0000120713 Dated 27.08.2021

For: grant of Consent to Establish under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to establish is granted for a period up to commissioning of the unit or up to 5 year whichever is earlier.**
2. **The capital investment of the project is Rs.200 Crs. (As per undertaking submitted by pp Existing CI is-Rs. 166.45 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Crotonaldehyde Di-Urea (CDU)/Crotoresin	85	MT/M
2	Ethyl Acetate	3300	MT/M
3	Acetaldehyde	1300	MT/M
4	Crotonaldehyde	500	MT/M
5	1,3 Butylene Glycol	158.34	MT/M
6	Dilute Ethyl Acetate and Other Ester	30	MT/M
7	Acetaldol	425	MT/M
8	Crotonic Anhydride	1.67	MT/M

<b>Sr No</b>	<b>Product</b>	<b>Maximum Quantity</b>	<b>UOM</b>
9	Crotonitrile	1.67	MT/M
10	Impure 1-3 Butylene Glycol	19.32	MT/M
11	Butanol	53.1	MT/M
12	3-Methoxy Butanol	250	MT/M
13	Dilute 3 Methoxy Butanol	30	MT/M
14	3-Methoxy Butyl Acetate	340	MT/M
15	3-Methyl 3-Pentene-One (MPO)	166.7	MT/M
16	Sodium Sulphate	3	MT/M
17	Ketone Mixture/ Prefumery Material Base	65.8	MT/M
18	Absolute Alcohol(Fuel Grade from RS/IS)	2000	MT/M
19	Acetaldehyde Oxime	175	MT/M
20	Ammonium Sulphate	139.7	MT/M
21	Acetaldehyde Diethyl Acetal	250	MT/M
22	Ethyl Vinyl Ether	100	MT/M
23	Acetonitrile	425	MT/M
24	Diethyl Oxalate	175	MT/M
25	Gbamber	100	MT/M
26	Sorbic Acid or Potassium Sorbate	500	MT/M
27	Acetals (534-15-6, 109-87-5, 462- 95-3, 871-22-7, 4285-59-0, 13002-09-0, 10602-34- 3, 4461-87-4, 7148-78-9, 5870-82-6, 6607-66-5, 3390-12-3, 3658-95-5, 94089-21-1)	15	MT/M
28	Esters (623-70-1, 623-43-8, 14205 -39 -1, 7318 -00 - 5, 24937 -93 -7, 105 -54 -4, 123 -25 - 1, 131 -11 -3, 6284 -46 -4, 142 -92 -7, 6259 -76 -3, 84 -66 -2 , 108 -22 - 5, 96 -33 -3, 105 -37 -3, 109 -60 -4, 123 -86 -4, 93 -92 -5, 2155 -60 -4, 1608 -72 -6, 1516 -17 -2, 102 -76 -1, 109 - 94 -4)	20	MT/M
29	Oximes (110 -69 -0, 96 -29 -7)	15	MT/M
30	Other Aldehydes (123 -72 -8, 97 -96 - 1, 19780 -25 -7, 14371 -10 -9, 142 -83 -6., 101 -86 -0, 645 -62 -5, 123 - 05 -7, 67801 -65 -4,27939 -60 -2, 1742 -14 -9, 530 -45 - 0, 6728 -26 -3)	200	MT/M
31	Other Acids (107 -92 -6, 107 -93 -7 , 99 -04 -7, 65 -85 - 0)	15	MT/M
32	Other Alcohol (97 -95 -0, 104 -76 -7, 111 -27 -3, 111 - 28 -4, 6117 -91 -5, 104 -54 -1, 78 -83 - 1, 77 -99 -6, 1883 -75 -6 , 60 -12 -8, 98 -85 -1, 123 - 51 -3, 142583 - 61 -7)	20	MT/M
33	Ketones (108 -29 -2, 565 -61 -7, 78 - 93 -3, 67 -64 -1, 96 -22 -0, 98 -86 -2, 590 -90 -9)	15	MT/M
34	Waxes -(NA)	12	MT/M
35	Nitriles (107 -12 -0, 109 -74 -0, 78 - 82 -0, 110 -59 -8)	20	MT/M

<b>Sr No</b>	<b>Product</b>	<b>Maximum Quantity</b>	<b>UOM</b>
36	Ethers (109 -53 -5, 107 -25 -5, 111 - 34 -2, 60 -29 -7)	15	MT/M
37	Ketene (463 -51 -4)	15	MT/M
38	Other Salts (532 -32 -1,7647 -14 -5, 7783 -20 -2 & 7757 -82 -6)	19.64	MT/M
39	Turbine	3.8	MW

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

<b>Sr No</b>	<b>Description</b>	<b>Permitted (in CMD)</b>	<b>Standards to</b>	<b>Disposal Path</b>
1.	Trade effluent	171.07	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	23	As per Schedule-I	On land for gardening

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

<b>Sr No.</b>	<b>Stack No.</b>	<b>Description of stack / source</b>	<b>Number of Stack</b>	<b>Standards to be achieved</b>
1	S-1	DG Set (1000 KVA)	1	As per Schedule -II
2	S-2	DG Set (1000 KVA)	1	As per Schedule -II
3	S-3	DG Set (1000 KVA)	1	As per Schedule -II
4	S-4 & S-5	Boiler (24 TPH)- 02 Nos	2	As per Schedule -II
5	S-6	Boiler 45 TPH	1	As per Schedule -II
6	S-7	Thermic Fluid Heater (10 Lakh K cal/Hr)	1	As per Schedule -II
7	S-8	Thermic Fluid Heater (2 Lakh K cal/Hr)	1	As per Schedule -II
8	S-9	Hydrogen Generator	1	As per Schedule -II
9	S-10	Nitrogen Generator	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

<b>Sr No</b>	<b>Type of Waste</b>	<b>Quantity</b>	<b>UoM</b>	<b>Treatment</b>	<b>Disposal</b>
1	Bio- Degradable Waste	606	Kg/Day	Composting	Used as manure
2	Non Bio- Degradable Waste	404.5	Kg/Day	Sale	Sale to authorized party
3	STP Sludge	33.48	Kg/Day	Composting	Used as manure
4	Dust	4	MT/Day	Sale	Sale to Brick Manufacturer
5	Glass Bottles	100	No/M	Sale	Sale to authorized party
6	Boiler Ash	85	Ton/D	Sale	Sale to Brick Manufacturer

<b>Sr No</b>	<b>Type of Waste</b>	<b>Quantity</b>	<b>UoM</b>	<b>Treatment</b>	<b>Disposal</b>
7	HDPE Containers	100	Ton/M	Sale	Sale to authorized party
8	Liner and Bags	0.5	Ton/M	Sale	Sale to authorized party
9	Insulation & glass Wood Waste	1	Ton/M	Sale	Sale to authorized party
10	Paper, cotton waste & packaging materials i.e wood, crapes, ropes	5.0	Ton/Y	Sale	Sale to authorized party
11	Metal Scrap	30	Ton/Y	Sale	Sale to authorized party
12	Plastic Waste	0.5	Ton/Y	Sale	Sale to authorized party
13	Waste Packing wood/ Broken glassetc.	5.0	Ton/Y	Sale	Sale to authorized party

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

<b>Sr No</b>	<b>Category No./ Type</b>	<b>Quantity</b>	<b>UoM</b>	<b>Treatment</b>	<b>Disposal</b>
1	5.1 Used or spent oil	1.8	KL/A	Recycle	Sale to authorised party
2	35.3 Chemical sludge from waste water treatment	3.9	Ton/D	Landfill	CHWTSDf
3	36.1 Any process or distillation residue	14	Ton/D	Incineration	CHWTSDf
4	1.6 Spent catalyst and molecular sieves	180	Kg/Day	Landfill	CHWTSDf
5	28.3 Spent carbon	0.3	Ton/D	Incineration	CHWTSDf
6	26.4 Spent solvent	5.0	KL/D	Incineration/ Recycle*	Sale to authorised party / CHWTSDf
7	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	100	Nos./Y	Incineration	CHWTSDf
8	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	100	Nos./Y	Recycle*	Sale to authorised party

<b>Sr No</b>	<b>Category No./ Type</b>	<b>Quantity</b>	<b>UoM</b>	<b>Treatment</b>	<b>Disposal</b>
9	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	0.5	Ton/Y	Incineration	CHWTSDF
10	37.3 Concentration or evaporation residues	03	Ton/D	Landfill	CHWTSDF
11	35.2 Spent ion exchange resin containing toxic metals	2.4	Ton/Y	Incineration	CHWTSDF

8. **Conditions under Batteries (Management & Handling) Rules, 2001:**

<b>Sr No</b>	<b>Type of Waste</b>	<b>Quantity</b>	<b>UoM</b>	<b>Disposal Path</b>
1	Used Batteries	80.00	Nos./Y	Sale to Authorized Party

**Specific Conditions for used Batteries:**

- i. The applicant shall ensure that used batteries are not disposed of in any manner other than by depositing with the authorized dealer/ manufacturer/ registered recycler/ importer/ re-conditioner or at the designated collection center.
- ii. The applicant shall file half-yearly return in Form VIII to the M.P.C. Board.
- iii. Bulk consumers to their user units may auction used batteries to registered recyclers only.

9. **Treatment and Disposal of Biomedical Waste generated to CBMWTSDF:**

<b>Sr.No</b>	<b>Category</b>	<b>Type of Waste</b>	<b>Quantity not to exceed (Kg/M)</b>	<b>Segregation Color coding</b>	<b>Treatment &amp; Disposal</b>
1	Yellow	a) Discarded linen, mattresses, beddings contaminated with blood or body fluid.	2.19	Yellow colored non- chlorinated plastic bags containers	CBMWTSDF

10. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
11. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
12. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. IA-J-110011/154/2019-IA-II(I) dated 06/8/2021
13. Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .
14. Volatile Organic Compounds (VOCs)/Fugitive emissions shall be controlled at 99.97% with effective chillers/modern technology
15. This consent is issued without prejudice to the orders passed/being passed by the Hon'ble NGT in OA No. 68/2014.
16. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/Activity.

17. This consent is issued as per the minutes of Consent Appraisal Committee meeting held on 25/2/2022



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Signed by: **Ashok Shingare**  
Member Secretary  
For and on behalf of,  
**Maharashtra Pollution Control Board**  
ms@mpcb.gov.in  
2022-04-12 12:03:52 IST

**Received Consent fee of -**

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	400000.00	TXN2109000011	01/09/2021	Online Payment

**Copy to:**

1. Regional Officer, MPCB, Nashik and Sub-Regional Officer, MPCB, Ahmednagar  
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai



## **SCHEDULE-I**

### **Terms & conditions for compliance of Water Pollution Control:**

1. A] As per your application, you have proposed to provide Effluent Treatment Plant (ETP) of designed capacity of 650.00 CMD consisting of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank, Anaerobic Digester), Secondary (Activated sludge process), Tertiary (Pressure sand filter, Activated carbon filter, Ultra Filtration), Advanced treatment (Reverse osmosis, Multi effective evaporator), Sludge treatment (Sludge drying bed) for the treatment of 171.07 CMD of trade effluent.  
B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent and recycle the entire treated effluent into the process for various purposes such as for cooling, process & Scrubbing with metering system so as to achieve Zero Liquid Discharge. There shall be no discharge on land or outside factory premises.
2. A] As per your application, you have provided Sewage Treatment Plant of designed capacity 50 CMD for the treatment of 23 CMD of sewage.  
B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

<b>Sr.No</b>	<b>Parameters</b>	<b>Standards (mg/l)</b>	
1	Suspended Solids	Not to exceed	50 mg/l
2	BOD 3 days 27°C	Not to exceed	30 mg/l
3	COD	Not to exceed	100 mg/l

- C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be used on land for gardening within premise after confirming above standards. In no case, sewage shall find its way outside factory premises.
3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

<b>Sr. No.</b>	<b>Purpose for water consumed</b>	<b>Water consumption quantity (CMD)</b>
1.	Industrial Cooling, spraying in mine pits or boiler feed	3390.30
2.	Domestic purpose	35.00

<b>Sr. No.</b>	<b>Purpose for water consumed</b>	<b>Water consumption quantity (CMD)</b>
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	219

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

#### **SCHEDULE-II**

#### **Terms & conditions for compliance of Air Pollution Control:**

1. As per your application, you have proposed to provide the Air pollution control (APC) system and also to erect following stack (s) to observe the following fuel pattern:

<b>Stack No.</b>	<b>Source</b>	<b>APC System provided/proposed</b>	<b>Stack Height(in mtr)</b>	<b>Type of Fuel</b>	<b>Sulphur Content(in %)</b>	<b>Pollutant</b>	<b>Standard</b>
S-1	DG Set	Acoustic Enclosure	9.00	HSD 3.6 KL/D	1	TPM	115 Mg/Nm <sup>3</sup>
						SO2	288 Kg/Day
S-2	DG Set	Acoustic Enclosure	9.00	HSD 3.6 KL/D	1	TPM	115 Mg/Nm <sup>3</sup>
						SO2	288 Kg/Day
S-3	DG Set	Acoustic Enclosure	6.00	HSD 3.6 KL/D	1	TPM	115 Mg/Nm <sup>3</sup>
						SO2	288 Kg/Day
S-4	Boiler	ESP	45.00	Coal 125 MT/Day	0.5	TPM	115 Mg/Nm <sup>3</sup>
						SO2	500 Kg/Day
S-5	Boiler	ESP	45.00	Coal 125 MT/Day	0.5	TPM	115 Mg/Nm <sup>3</sup>
						SO2	500 Kg/Day
S-6	Thermic Fluid Heater	Stack	15.00	HSD 3.17 KL/D	1	TPM	115 Mg/Nm <sup>3</sup>
						SO2	63.4 Kg/Day



Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-7	Thermic Fluid Heater	Stack	10.00	HSD 0.63 KL/D	1	TPM	115 Mg/Nm <sup>3</sup>
						SO2	1.26 Kg/Day
S-8	Hydrogen Generator	Stack	11.00	-	-	NA	-
S-9	Nitrogen Generator	Stack	11.00	-	-	NA	-

- The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
- The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
- The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

### SCHEDULE-III

#### Details of Bank Guarantees:

Sr. No	Consent (C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to E	25 Lakh	15 Days	Towards Compliance of Consent Conditions & Environmental Clearance Conditions	28/2/2027	31/8/2027

#### BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

#### BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

## **SCHEDULE-IV**

### **General Conditions:**

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
  - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - f) D.G. Set shall be operated only in case of power failure.
  - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.

12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. The PP shall provide personal protection equipment as per norms of Factory Act
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website ([www.mpcb.gov.in](http://www.mpcb.gov.in)).
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

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**This certificate is digitally & electronically signed.**

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# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto:cac-cell@mpcb.gov.in)



Kalpataru Point, 2nd and  
4th floor, Opp. Cine Planet  
Cinema, Near Sion Circle,  
Sion (E), Mumbai-400022

RED/L.S.I (R22)  
No:- Format1.0/CAC/UAN  
No.0000134753/CO/2206000679

Date: 15/06/2022

To,  
M/s. Godavari Biorefineries Ltd.  
Gut No. 159-165,180/1, 180/2, 181/1, 181/2, 187/1,  
187/2, 188, 189, 199,158, 167-178, 511, 139/2  
Sakarwadi, Tal- Kopergoan, Dist- Ahmednagar



Your Service is Our Duty

**Sub: Grant of 1st Consent to Operate (Expansion) with amalgamation of existing Consent to Operate**

- Ref:**
1. Consent to Operate granted vide No. Format 1.0/CAC/UAN No. 0000093199/CO-2006001085 dated 24/6/2020
  2. Environmental Clearance granted vide No. F.No. IA-J-11011/154/2019-IA-II(I) dated 06/8/2021
  3. Consent to Establish granted vide No. Format 1.0/CAC/UAN No. 0000102090/CE-2106000706 dated 15/6/2021
  4. Consent to Establish granted vide No. Format 1.0/CAC/UAN No. 0000120713/CE-2204000670 dated 12/4/2022
  5. Minutes of Consent Appraisal Committee meeting held on 24/5/2022

Your application No.MPCB-CONSENT-0000134753 Dated 22.03.2022

For: grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to operate is granted for a period up to 31/08/2024**
2. **The capital investment of the project is Rs.202.39 Crs. (As per C.A Certificate submitted by industry Existing CI is-Rs. 166.45 Crs + Expansion in C.I. - Rs. 35.94 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
Products					
1	2-Ethyl-1-Butanol	7	0	7	MT/M
2	2-Ethyl Hexanol	1.3	0	1.3	MT/M
3	Ethyl Acetate	5400	0	5400	MT/M
4	Dilute Ethyl Acetate and Other Ester	0	30	30	MT/M
5	Acetaldehyde	1491.7	508.3	2000	MT/M

<b>Sr No</b>	<b>Product</b>	<b>Existing Quantity</b>	<b>Proposed Quantity</b>	<b>Total</b>	<b>UOM</b>
6	Croto Di-Urea and Croto Resin	45	0	45	MT/M
7	Crotonaldehyde	500	0	500	MT/M
8	1,3 Butylene Glycol	41.66	158.34	200	MT/M
9	Acetic Acid	598.85	0	598.85	MT/M
10	Dilute Acetic Acid	110	0	110	MT/M
11	Acetaldol	0	425	425	MT/M
12	Paraldehyde	60	0	60	MT/M
13	Crotonic Anhydride	8.33	0	8.33	MT/M
14	Crotonitrile	8.33	0	8.33	MT/M
15	Impure 1-3 Butylene Glycol	12.9	19.32	32.22	MT/M
16	Butanol	64.6	53.1	117.7	MT/M
17	2-Ethyl ,1,3 Hexane Diol	33.33	0	33.33	MT/M
18	3-Methoxy Butanol	25	0	25	MT/M
19	Dilute 3 Methoxy Butanol	0	2.7	2.7	MT/M
20	3-Methoxy Butyl Acetate	0	25	25	MT/M
21	3-Methyl 3-Pentene-One (MPO)	333.33	0	333.33	MT/M
22	Sodium Sulphate	242	0	242	MT/M
23	Ketone Mixture /(Perfumery Material Base)	131.67	0	131.67	MT/M
24	Acetaldehyde Oxime	0	20	20	MT/M
25	Ammonium Sulphate	0	15.97	15.97	MT/M
26	Acetaldehyde Diethyl Acetal	0	25	25	MT/M
27	Ethyl Vinyl Ether	0	25	25	MT/M
28	Acetonitrile	0	20	20	MT/M
29	Diethyl Oxalate	0	20	20	MT/M
30	Acetals (534-15-6, 109-87-5, 462-95-3, 871-22-7, 4285-59-0, 13002-09-0, 10602-34-3, 4461-87-4, 7148-78-9, 5870-82-6, 6607-66-5, 3390-12-3, 3658-95-5, 94089-21-1)	0	15	15	MT/M
31	Esters (623-70-1, 623-43-8, 14205-39-1, 7318-00- 5, 24937-93-7, 105-54-4, 123-25-1, 131-11-3, 6284-46-4, 142-92-7, 6259-76-3, 84-66-2 , 108-22- 5, 96-33-3, 105-37-3, 109-60-4, 123-86-4, 93-92-5, 2155-60-4, 1608-72-6, 1516-17-2, 102-76-1, 109- 94-4)	0	20	20	MT/M
32	Other Aldehydes (123-72-8, 97-96-1, 19780-25-7, 14371-10-9, 142-83-6., 101-86-0, 645-62-5, 123- 05-7, 67801-65-4,27939-60-2, 1742-14-9, 530-45- 0, 6728-26-3)	0	20	20	MT/M
33	Other Alcohol (97-95-0, 104-76-7, 111-27-3, 111- 28-4, 6117-91-5, 104-54-1, 78-83-1, 77-99-6, 1883-75-6 , 60-12-8, 98-85-1, 123-51-3, 142583- 61-7)	0	20	20	MT/M

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
34	Ketones (108-29-2, 565-61-7, 78-93-3, 67-64-1, 96-22-0, 98-86-2, 590-90-9)	0	15	15	MT/M
35	Nitriles (107-12-0, 109-74-0, 78-82-0, 110-59-8)	0	20	20	MT/M
36	Ethers (109-53-5, 107-25-5, 111-34-2, 60-29-7)	0	15	15	MT/M
37	Other Salts (532-32-1,7647-14-5, 7783-20-2 & 7757-82-6)	0	9.82	9.82	MT/M
38	Turbine(Captive Power Plant)	0	5.6	5.6	MW

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	566.31	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	200	As per Schedule-I	On land for gardening

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1	Boiler (30 TPH)	1	As per Schedule -II
2	S-2	Boiler-18 TPH ISGEC	1	As per Schedule -II
3	S-3	D. G. Set-1000KVA	1	As per Schedule -II
4	S-4	D. G. Set	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Bio-Degradable Waste	408	Kg/Day	Composting	Used as manure
2	Non-Biodegradable Waste	272.5	Kg/Day	Sale	Sale to authorized party
3	STP Sludge	30.64	Kg/Day	Composting	Used as manure
4	Dust	3.0	MT/Day	Sale	Sale to Brick Manufacturer
5	Boiler Ash	65	Ton/D	Sale	Sale to Brick Manufacturer
6	Insulation & glass wood waste	0.5	Ton/M	Sale	Dispose off to outside agencies after detoxification
7	WTP Sludge	300	Kg/Day	Landfilling	Landfilling

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	1.2	KL/A	Recycle	Sale to authorised party
2	35.3 Chemical sludge from waste water treatment	1.5	MT/Day	Landfill	CHWTSDF
3	36.1 Any process or distillation residue	0.192	MT/Day	Landfill	CHWTSDF
4	1.6 Spent catalyst and molecular sieves	3.65	MT/A	Landfill/ Recycle*	CHWTSDF
5	1.4 Organic residues	8.0	CMD	Incineration	CHWTSDF
6	37.3 Concentration or evaporation residues	0.3	MT/Day	Landfill	CHWTSDF
7	35.2 Spent ion exchange resin containing toxic metals	1.2	MT/A	Incineration	CHWTSDF
8	Discarded PPE's	0.5	MT/M	Incineration	CHWTSDF

\* Sale to Authorized Party having permission under Rule 9 of H&OW Rule

8. **Conditions under Batteries (Management & Handling) Rules, 2001:**

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	Used Lead Acid Battery	80.00	Nos./Y	Sale to Authorized Party

**Specific Conditions for used Batteries:**

- i. The applicant shall ensure that used batteries are not disposed of in any manner other than by depositing with the authorized dealer/ manufacturer/ registered recycler/ importer/ re-conditioner or at the designated collection center.
- ii. The applicant shall file half-yearly return in Form VIII to the M.P.C. Board.
- iii. Bulk consumers to their user units may auction used batteries to registered recyclers only.

9. **Conditions under E-Waste Management:**

Sr No	Type of Waste	Quantity	UoM	Disposal Path
1	E-Waste	1.00	MT/A	Sale to Authorized Party

10. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
11. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
12. This consent is issued with overriding effect on earlier Consent to Operate granted by the Board vide no. Format 1.0/CAC/UAN No. 0000093199/CO-2006001085 dated 24/6/2020



13. This Consent is issued subject to an order passed or may be passed by Hon'ble National Green Tribunal in OA No. 68/2014.
14. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. F.No. IA-J-11011/154/2019-IA-II(I) dated 06/8/2021 and ensure display/upload of six monthly compliance monitoring report on their official website.
15. Volatile Organic Compounds (VOCs)/ Fugitive emissions shall be controlled at 99.97% with effective chillers/modern technology,
16. Industry shall maintain record of consumption and purchase of Specially Denatured Spirit (SDS) through Maharashtra State Excise Department.
17. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent.
18. This consent is issued as per the minutes of Consent Appraisal Committee meeting held on 24/5/2022



*Ashok Shingare*

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Signed by: **Ashok Shingare**  
Member Secretary  
For and on behalf of,  
**Maharashtra Pollution Control Board**  
ms@mpcb.gov.in  
2022-06-15 13:11:09 IST

**Received Consent fee of -**

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	150000.00	TXN2203003171	23/03/2022	Online Payment
2	75000.00	TXN2206000647	07/06/2022	Online Payment

**Copy to:**

1. Regional Officer, MPCB, Nashik and Sub-Regional Officer, MPCB, Ahmednagar  
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai

## **SCHEDULE-I**

### **Terms & conditions for compliance of Water Pollution Control:**

1. A] As per your application, you have provided Effluent Treatment Plant (ETP) of designed capacity of 600.00 CMD consisting of Primary (Collection tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank, Anaerobic Digester (UASB)), Secondary (Activated sludge process), Tertiary (Pressure sand filter, Activated carbon filter), Advanced treatment (Reverse osmosis, Multi effective evaporator) for the treatment of 566.31 CMD of trade effluent.  
B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent and recycle the entire treated effluent into the process for various purposes such as for cooling, process & Scrubbing with metering system so as to achieve Zero Liquid Discharge. There shall be no discharge on land or outside factory premises.
2. A] As per your application, you have provided 02 Sewage Treatment Plant of designed capacity 200 CMD + 50 CMD for the treatment of 200 CMD of sewage.  
B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

<b>Sr.No</b>	<b>Parameters</b>	<b>Standards (mg/l)</b>	
1	Suspended Solids	Not to exceed	50 mg/l
2	BOD 3 days 27°C	Not to exceed	30 mg/l
3	COD	Not to exceed	100 mg/l

- C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, sewage shall find its way outside factory premises.
3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

<b>Sr. No.</b>	<b>Purpose for water consumed</b>	<b>Water consumption quantity (CMD)</b>
1.	Industrial Cooling, spraying in mine pits or boiler feed	2083.61
2.	Domestic purpose	215.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	251.34
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.



## SCHEDULE-II

### Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1	Boiler	ESP	52.00	Coal/Biomass 5675 Kg/Hr	0.5	TPM	115 Mg/Nm <sup>3</sup>
						SO2	1362 Kg/Day
S-2	Boiler-18 TPH ISGEC	ESP	30.00	Coal/Biomass 3405 Kg/Hr	0.5	TPM	115 Mg/Nm <sup>3</sup>
						SO2	817.2 Kg/Day
S-3	D. G. Set-1000KVA	Acoustic Enclosure	9.00	HSD 150 Ltr/Hr	1	TPM	115 Mg/Nm <sup>3</sup>
						SO2	72 Kg/Day
S-4	D. G. Set 590 KVA	Acoustic Enclosure	6.00	HSD 65 Ltr/Hr	1	TPM	115 Mg/Nm <sup>3</sup>
						SO2	31.20 Kg/Day

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
5. Industry shall ensure connectivity of continuous online monitoring system of stack emissions for measurement of flue gas discharge and the pollutant concentration to CPCB & MPCB server.

## SCHEDULE-III

### Details of Bank Guarantees:

Sr. No.	Consent (C2E/ C2O /C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to O	10 Lakh	Existing	Zero discharge to be achieved by MEE/Incineration	31/8/2024	28/2/2025
2	C to O	5 Lakh	Existing	Towards O&M of Pollution Control System	31/8/2024	28/2/2025
3	C to O	10 Lakh	Existing	Towards compliance of Consent Conditions	31/8/2024	28/2/2025

**\*\*Existing BG obtained for above purpose if any, may be extended for period of validity as above.**

### BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

### BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

### SCHEDULE-IV

#### General Conditions:

1. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that e-waste generated by them is channelised through collection centre or dealer of authorised producer or dismantler or recycler or through the designated take back service provider of the producer to authorised dismantler or recycler
2. Bulk consumers of electrical and electronic equipment listed in Schedule I shall maintain records of e-waste generated by them in Form-2 and make such records available for scrutiny by the concerned State Pollution Control Board
3. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that such end-of-life electrical and electronic equipment are not admixed with e-waste containing radioactive material as covered under the provisions of the Atomic Energy Act, 1962 (33 of 1962) and rules made there under;
4. Bulk consumers of electrical and electronic equipment listed in Schedule I shall file annual returns in Form-3, to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates. In case of the bulk consumer with multiple offices in a State, one annual return combining information from all the offices shall be filed to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates.
5. Specific Conditions for storage, Handling and Disposal of Waste from Electrical & Electronic equipment (WEEE):
  1. **Collection of WEEE** - The applicant must provide appropriate and dedicated vehicles duly identified as per the norms for transportation of Hazardous Waste. The applicant shall obtain all the required permits for transportation of WEEE from competent authority. The applicant shall ensure the safe transport of the WEEE without any spillage during transportation.

**Storage for disassembled parts:** The applicant must provide appropriate storage for disassembled spare parts from WEEE. Some spare parts (e.g. motors and compressors) will contain oil and/or other fluids. Such part must be appropriately segregated and stored in containers that are secured such that oil and other fluids cannot escape from them. These containers must be stored on an area with an area with an impermeable surface and a sealed drainage system.

2. **Storage for other components and residues:**Other components and residues arising from the treatment of WEEE will need to be contained following their removal for disposal or recovery. Where they contain hazardous substances they should be stored on impermeable surface and in appropriate containers or bays with weatherproof covering. Containers should be clearly labelled to identify their contents and must be secured so that liquids, including rain water cannot enter them. Components should be segregated having regard to their eventual destinations and the compatibility of the component types. All batteries should be handled and stored having regard to the potential fire risk associated with team.
  3. **Balances :** WEEE Guidelines also requires that sites for handling of WEEE have “balances to measure the weight of the segregated waste’. The objective is to ensure that a record of weights can be maintained of WEEE entering a facility and components and materials leaving each site (together with their destinations). The nature of the weighing equipment should be appropriate for the type and quantity of WEEE being processed.
  4. Plastic, which cannot be recycled and is hazardous in nature, is recommended to be land filled in nearby CHWTSDF.
  5. Ferrous and nonferrous metal recycling facilities fall under the purview of existing environmental regulations for air, water, noise, land and soil pollution and generation of hazardous waste and the same should be followed.
  6. CFCS should be either reused or incinerated in common hazardous waste Incineration facilities at CHWTSDF.
  7. Waste Oil should be either reused or incinerated in common hazardous waste incineration facilities.
  8. PCB's containing capacitors shall be incinerated in common hazardous waste incineration facilities at CHWTSDF.
  9. Mercury recovery and lead recycling facilities from batteries fall under the Hazardous & Other Wastes (M & TM) Rules, 2016.
  10. Existing environmental regulations for air; water; noise, land and soil pollution and generation of hazardous waste and the same should be followed. In case Mercury or lead recovery is very low, they can be temporarily stored at e-waste recycling facility and later disposed in TSDF.
  11. The industry shall maintain records of the e-waste purchased, processed in Form-2 and shall file annual returns of its activities of previous year in Form-3 as per Rules 11(9) & 13(3)(vii) of the E-Waste(M) Rules, 2016; on or before 30th day of June of every year.
6. The Energy source for lighting purpose shall preferably be LED based
  7. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
  8. Conditions for D.G. Set
    - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
    - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
    - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.

- d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
- f) D.G. Set shall be operated only in case of power failure.
- g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
9. The applicant shall maintain good housekeeping.
10. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
11. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
12. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
13. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
14. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
15. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
16. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
17. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
18. The PP shall provide personal protection equipment as per norms of Factory Act
19. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
20. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
21. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.

22. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
23. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
24. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
25. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
26. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
27. The industry should not cause any nuisance in surrounding area.
28. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
29. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
30. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
31. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
32. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
33. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
34. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.



35. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
36. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
37. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
38. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

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This certificate is digitally & electronically signed.

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# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto:cac-cell@mpcb.gov.in)



Kalpataru Point, 2nd and  
4th floor, Opp. Cine Planet  
Cinema, Near Sion Circle,  
Sion (E), Mumbai-400022

**RED/L.S.I (R22)**  
**No:- Format1.0/CAC/UAN No.MPCB-  
CONSENT-0000143896/CO/2211001368**

**Date: 17/11/2022**

To,  
**M/s. Godavari Biorefineries Ltd.**  
**Gut No. 159-165,180/1, 180/2, 181/1, 181/2, 187/1,  
187/2, 188, 189, 199,158, 167-178, 511, 139/2**  
**Sakarwadi, Tal- Kopergoan, Dist- Ahmednagar**



**Sub: Grant of 2nd Consent to Operate (Expansion) with amalgamation of existing Consent to Operate under Red category**

- Ref:**
1. Consent to Operate granted vide No. Format 1.0/CAC/UAN No. 0000134753/CO-2206000679 dated 15/6/2022
  2. Environmental Clearance granted vide No. F.No. IA-J-11011/154/2019-IA-II(I) dated 06/8/2021
  3. Consent to Establish granted vide No. Format 1.0/CAC/UAN No. 0000102090/CE-2106000706 dated 15/6/2021
  4. Consent to Establish granted vide No. Format 1.0/CAC/UAN No. 0000120713/CE-2204000670 dated 12/4/2022
  5. Minutes of Consent Appraisal Committee meeting held on 03/11/2022

Your application No.MPCB-CONSENT-0000143896 Dated 16.07.2022

For: grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to operate is granted for a period up to 31/08/2024**
2. **The capital investment of the project is Rs.208.89 Crs. (As per C.A Certificate submitted by industry Existing CI is-Rs. 202.39 Crs + Expansion in C.I. - Rs. 6.50 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
Products					
1	2-Ethyl-1-Butanol	7	0	7	MT/M
2	2-Ethyl Hexanol	1.3	0	1.3	MT/M
3	Ethyl Acetate	5400	0	5400	MT/M
4	Dilute Ethyl Acetate and Other Ester	30	0	30	MT/M

<b>Sr No</b>	<b>Product</b>	<b>Existing Quantity</b>	<b>Proposed Quantity</b>	<b>Total</b>	<b>UOM</b>
5	Acetaldehyde	2000	0	2000	MT/M
6	Croto Di-Urea and Croto Resin	45	0	45	MT/M
7	Crotonaldehyde	500	0	500	MT/M
8	1,3 Butylene Glycol	200	0	200	MT/M
9	Acetic Acid	598.85	0	598.85	MT/M
10	Dilute Acetic Acid	110	0	110	MT/M
11	Acetaldol	425	0	425	MT/M
12	Paraldehyde	60	0	60	MT/M
13	Crotonic Anhydride	8.33	0	8.33	MT/M
14	Crotonitrile	8.33	0	8.33	MT/M
15	Impure 1-3 Butylene Glycol	32.22	0	32.22	MT/M
16	Butanol	117.7	0	117.7	MT/M
17	2-Ethyl ,1,3 Hexane Diol	33.33	0	33.33	MT/M
18	3-Methoxy Butanol	25	0	25	MT/M
19	Dilute 3 Methoxy Butanol	27	0	2.7	MT/M
20	3-Methoxy Butyl Acetate	25	0	25	MT/M
21	3-Methyl 3-Pentene-One (MPO)	333.33	166.67	500	MT/M
22	Sodium Sulphate	242	3	245	MT/M
23	Ketone Mixture /(Perfumery Material Base)	131.67	65.83	197.5	MT/M
24	Acetaldehyde Oxime	20	0	20	MT/M
25	Ammonium Sulphate	15.97	0	15.97	MT/M
26	Acetaldehyde Diethyl Acetal	25	0	25	MT/M
27	Ethyl Vinyl Ether	25	0	25	MT/M
28	Acetonitrile	20	0	20	MT/M
29	Diethyl Oxalate	20	0	20	MT/M
30	Acetals (534-15-6, 109-87-5, 462-95-3, 871-22-7, 4285-59-0, 13002-09-0, 10602-34-3, 4461-87-4, 7148-78-9, 5870-82-6, 6607-66-5, 3390-12-3, 3658-95-5, 94089-21-1)	15	0	15	MT/M
31	Esters (623-70-1, 623-43-8, 14205-39-1, 7318-00- 5, 24937-93-7, 105-54-4, 123-25-1, 131-11-3, 6284-46-4, 142-92-7, 6259-76-3, 84-66-2 , 108-22- 5, 96-33-3, 105-37-3, 109-60-4, 123-86-4, 93-92-5, 2155-60-4, 1608-72-6, 1516-17-2, 102-76-1, 109- 94-4)	20	0	20	MT/M
32	Other Aldehydes (123-72-8, 97-96-1, 19780-25-7, 14371-10-9, 142-83-6., 101-86-0, 645-62-5, 123- 05-7, 67801-65-4,27939-60-2, 1742-14-9, 530-45- 0, 6728-26-3)	20	0	20	MT/M

Sr No	Product	Existing Quantity	Proposed Quantity	Total	UOM
33	Other Alcohol (97-95-0, 104-76-7, 111-27-3, 111-28-4, 6117-91-5, 104-54-1, 78-83-1, 77-99-6, 1883-75-6, 60-12-8, 98-85-1, 123-51-3, 142583-61-7)	20	0	20	MT/M
34	Ketones (108-29-2, 565-61-7, 78-93-3, 67-64-1, 96-22-0, 98-86-2, 590-90-9)	15	0	15	MT/M
35	Nitriles (107-12-0, 109-74-0, 78-82-0, 110-59-8)	20	0	20	MT/M
36	Ethers (109-53-5, 107-25-5, 111-34-2, 60-29-7)	15	0	15	MT/M
37	Other Salts (532-32-1, 7647-14-5, 7783-20-2 & 7757-82-6)	9.82	0	9.82	MT/M
38	Absolute Alcohol	0	2000	2000	MT/M
39	Turbine(Captive Power Plant)	5.6	0	5.6	MW

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	590.3	As per Schedule-I	Recycle 100% to achieve ZLD
2.	Domestic effluent	200	As per Schedule-I	On land for gardening

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1	Boiler (30 TPH)	1	As per Schedule -II
2	S-2	Boiler-18 TPH ISGEC	1	As per Schedule -II
3	S-3	D. G. Set-1000KVA	1	As per Schedule -II
4	S-4	D. G. Set-590 KVA	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Bio-Degradable Waste	408	Kg/Day	Composting	Used as manure
2	Non-Biodegradable Waste	272.5	Kg/Day	Sale	Sale to authorized party
3	STP Sludge	30.64	Kg/Day	Composting	Used as manure
4	Dust	3.0	MT/Day	Sale	Sale to Brick Manufacturer
5	Boiler Ash	65	Ton/D	Sale	Sale to Brick Manufacturer

<b>Sr No</b>	<b>Type of Waste</b>	<b>Quantity</b>	<b>UoM</b>	<b>Treatment</b>	<b>Disposal</b>
6	Insulation & glass wood waste	0.5	Ton/M	Sale	Dispose off to outside agencies after detoxification
7	WTP Sludge	300	Kg/Day	Landfilling	Landfilling

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

<b>Sr No</b>	<b>Category No./ Type</b>	<b>Quantity</b>	<b>UoM</b>	<b>Treatment</b>	<b>Disposal</b>
1	5.1 Used or spent oil	1.2	KL/A	Recycle	Sale to authorised party
2	35.3 Chemical sludge from waste water treatment	1.5	MT/Day	Landfill	CHWTSDF
3	36.1 Any process or distillation residue	0.192	MT/Day	Landfill	CHWTSDF
4	1.6 Spent catalyst and molecular sieves	3.65	MT/A	Landfill/ Recycle*	CHWTSDF
5	1.4 Organic residues	8.0	CMD	Incineration	CHWTSDF
6	37.3 Concentration or evaporation residues	0.3	MT/Day	Landfill	CHWTSDF
7	35.2 Spent ion exchange resin containing toxic metals	1.2	MT/A	Incineration	CHWTSDF
8	28.3 Spent carbon	31	MT/A	Incineration	CHWTSDF

\* Sale to Authorized Party having permission under Rule 9 of H&OW Rule

8. **Conditions under Batteries (Management & Handling) Rules, 2001:**

<b>Sr No</b>	<b>Type of Waste</b>	<b>Quantity</b>	<b>UoM</b>	<b>Disposal Path</b>
1	Used Lead Acid Battery	80.00	Nos./Y	Sale to Authorized Party

**Specific Conditions for used Batteries:**

- i. The applicant shall ensure that used batteries are not disposed of in any manner other than by depositing with the authorized dealer/ manufacturer/ registered recycler/ importer/ re-conditioner or at the designated collection center.
- ii. The applicant shall file half-yearly return in Form VIII to the M.P.C. Board.
- iii. Bulk consumers to their user units may auction used batteries to registered recyclers only.

9. **Conditions under E-Waste Management:**

<b>Sr No</b>	<b>Type of Waste</b>	<b>Quantity</b>	<b>UoM</b>	<b>Disposal Path</b>
1	E-Waste	1.00	MT/A	Sale to Authorized Party

10. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.

11. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
12. This consent is issued with overriding effect on earlier Consent to Operate granted by the Board vide no. Format 1.0/CAC/UAN No. 0000134753/CO-2206000679 dated 15/6/2022
13. This Consent is issued subject to an order passed or may be passed by Hon'ble National Green Tribunal in OA No. 68/2014.
14. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. F.No. IA-J-11011/154/2019-IA-II(I) dated 06/8/2021 and ensure display/upload of six monthly compliance monitoring report on their official website.
15. Volatile Organic Compounds (VOCs)/ Fugitive emissions shall be controlled at 99.97% with effective chillers/modern technology,
16. Industry shall maintain record of consumption and purchase of Specially Denatured Spirit (SDS) through Maharashtra State Excise Department.
17. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent.
18. This consent is issued as per the minutes of Consent Appraisal Committee meeting held on 03/11/2022
- . This consent is issued as per communication letter dated 03/11/2022 which is approved by competent authority of the board.



**Signed by: Dr. Y.B.Sontakke**  
 Joint Director(WPC) & InCharge Of CAC-Cell  
 For and on behalf of,  
**Maharashtra Pollution Control Board**  
 cac-cell@mpcb.gov.in  
 2022-11-17 13:23:16 IST

**Received Consent fee of -**

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	50000.00	TXN2207002160	20/07/2022	Online Payment

**Copy to:**

1. Regional Officer, MPCB, Nashik and Sub-Regional Officer, MPCB, Ahmednagar  
 - They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai

## SCHEDULE-I

### **Terms & conditions for compliance of Water Pollution Control:**

1. A] As per your application, you have provided Effluent Treatment Plant (ETP) of designed capacity of 600.00 CMD consisting of Primary (Collection tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank, Anaerobic Digester (UASB)), Secondary (Activated sludge process), Tertiary (Pressure sand filter, Activated carbon filter), Advanced treatment (Reverse osmosis, Multi effective evaporator) for the treatment of 590.3 CMD of trade effluent.  
B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent and recycle the entire treated effluent into the process for various purposes such as for cooling, process & Scrubbing with metering system so as to achieve Zero Liquid Discharge. There shall be no discharge on land or outside factory premises.
2. A] As per your application, you have provided 02 Sewage Treatment Plant of designed capacity 200 CMD + 50 CMD for the treatment of 200 CMD of sewage.  
B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards (mg/l)	
1	Suspended Solids	Not to exceed	50 mg/l
2	BOD 3 days 27°C	Not to exceed	30 mg/l
3	COD	Not to exceed	100 mg/l

- C] The treated sewage shall be used on land for gardening within premise after confirming above standards. In no case, sewage shall find its way outside factory premises.
3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
  4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
  5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	2215.10
2.	Domestic purpose	215.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	253.50

<b>Sr. No.</b>	<b>Purpose for water consumed</b>	<b>Water consumption quantity (CMD)</b>
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.





## SCHEDULE-II

### Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1	Boiler	ESP	52.00	Coal/Biomass 5675 Kg/Hr	0.5	TPM	115 Mg/Nm <sup>3</sup>
						SO2	1362 Kg/Day
S-2	Boiler-18 TPH ISGEC	ESP	30.00	Coal/Biomass 3405 Kg/Hr	0.5	TPM	115 Mg/Nm <sup>3</sup>
						SO2	817.2 Kg/Day
S-3	D. G. Set-1000KVA	Acoustic Enclosure	9.00	HSD 150 Ltr/Hr	1	TPM	115 Mg/Nm <sup>3</sup>
						SO2	72 Kg/Day
S-4	D. G. Set 590 KVA	Acoustic Enclosure	6.00	HSD 65 Ltr/Hr	1	TPM	115 Mg/Nm <sup>3</sup>
						SO2	31.20 Kg/Day

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

## SCHEDULE-III

### Details of Bank Guarantees:

Sr. No	Consent (C2E/ C2O /C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to O	10 Lakh	Existing	Zero discharge to be achieved by MEE/Incineration	31/8/2024	28/2/2025
2	C to O	5 Lakh	Existing	Towards O&M of Pollution Control System	31/8/2024	28/2/2025
3	C to O	10 Lakh	Existing	Towards compliance of Consent Conditions	31/8/2024	28/2/2025

**\*\*Existing BG obtained for above purpose if any, may be extended for period of validity as above.**

### BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

### BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

### SCHEDULE-IV

#### General Conditions:

1. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that e-waste generated by them is channelised through collection centre or dealer of authorised producer or dismantler or recycler or through the designated take back service provider of the producer to authorised dismantler or recycler
2. Bulk consumers of electrical and electronic equipment listed in Schedule I shall maintain records of e-waste generated by them in Form-2 and make such records available for scrutiny by the concerned State Pollution Control Board
3. Consumers or bulk consumers of electrical and electronic equipment listed in Schedule I shall ensure that such end-of-life electrical and electronic equipment are not admixed with e-waste containing radioactive material as covered under the provisions of the Atomic Energy Act, 1962 (33 of 1962) and rules made there under;
4. Bulk consumers of electrical and electronic equipment listed in Schedule I shall file annual returns in Form-3, to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates. In case of the bulk consumer with multiple offices in a State, one annual return combining information from all the offices shall be filed to the concerned State Pollution Control Board on or before the 30th day of June following the financial year to which that return relates.
5. Specific Conditions for storage, Handling and Disposal of Waste from Electrical & Electronic equipment (WEEE):
  1. **Collection of WEEE** - The applicant must provide appropriate and dedicated vehicles duly identified as per the norms for transportation of Hazardous Waste. The applicant shall obtain all the required permits for transportation of WEEE from competent authority. The applicant shall ensure the safe transport of the WEEE without any spillage during transportation.

**Storage for disassembled parts:** The applicant must provide appropriate storage for disassembled spare parts from WEEE. Some spare parts (e.g. motors and compressors) will contain oil and/or other fluids. Such part must be appropriately segregated and stored in containers that are secured such that oil and other fluids cannot escape from them. These containers must be stored on an area with an area with an impermeable surface and a sealed drainage system.

2. **Storage for other components and residues:** Other components and residues arising from the treatment of WEEE will need to be contained following their removal for disposal or recovery. Where they contain hazardous substances they should be stored on impermeable surface and in appropriate containers or bays with weatherproof covering. Containers should be clearly labelled to identify their contents and must be secured so that liquids, including rain water cannot enter them. Components should be segregated having regard to their eventual destinations and the compatibility of the component types. All batteries should be handled and stored having regard to the potential fire risk associated with them.
  3. **Balances :** WEEE Guidelines also requires that sites for handling of WEEE have "balances to measure the weight of the segregated waste". The objective is to ensure that a record of weights can be maintained of WEEE entering a facility and components and materials leaving each site (together with their destinations). The nature of the weighing equipment should be appropriate for the type and quantity of WEEE being processed.
  4. Plastic, which cannot be recycled and is hazardous in nature, is recommended to be land filled in nearby CHWTSDF.
  5. Ferrous and nonferrous metal recycling facilities fall under the purview of existing environmental regulations for air, water, noise, land and soil pollution and generation of hazardous waste and the same should be followed.
  6. CFCs should be either reused or incinerated in common hazardous waste Incineration facilities at CHWTSDF.
  7. Waste Oil should be either reused or incinerated in common hazardous waste incineration facilities.
  8. PCB's containing capacitors shall be incinerated in common hazardous waste incineration facilities at CHWTSDF.
  9. Mercury recovery and lead recycling facilities from batteries fall under the Hazardous & Other Wastes (M & TM) Rules, 2016.
  10. Existing environmental regulations for air; water; noise, land and soil pollution and generation of hazardous waste and the same should be followed. In case Mercury or lead recovery is very low, they can be temporarily stored at e-waste recycling facility and later disposed in TSDF.
  11. The industry shall maintain records of the e-waste purchased, processed in Form-2 and shall file annual returns of its activities of previous year in Form-3 as per Rules 11(9) & 13(3)(vii) of the E-Waste(M) Rules, 2016; on or before 30th day of June of every year.
6. The Energy source for lighting purpose shall preferably be LED based
  7. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
  8. Conditions for D.G. Set
    - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
    - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
    - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.

- d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
- f) D.G. Set shall be operated only in case of power failure.
- g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
9. The applicant shall maintain good housekeeping.
10. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
11. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
12. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
13. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
14. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
15. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
16. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
17. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
18. The PP shall provide personal protection equipment as per norms of Factory Act
19. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
20. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
21. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.

22. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
23. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
24. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
25. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
26. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
27. The industry should not cause any nuisance in surrounding area.
28. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
29. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
30. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
31. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
32. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
33. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
34. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.

35. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
36. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
37. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
38. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

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This certificate is digitally & electronically signed.

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