

GBL/SMR/MoEF&CC/2022-23/700
Date: 30.05.2022



Godavari Biorefineries Ltd

To,
The Additional Principal Chief Conservator of Forests (C)
Ministry of Environment, Forests & Climate Change,
Bengaluru

Sub: Half yearly compliance report for the period of October 2021 to March 2022
Reg

Ref:: File No12.1/633/2009-10/KAR/706

- EC No. 1) F No, J 11011/191/2007-IA II(1) dated 9th April 2020
2) F No. J-11011/272/2009-IA II(1) dated 7th July 2009
3) F No. J-11011/272/2009-IA II(1) dated 1st June 2011
4) F No. J-11011/272/2009-IA II(1) dated 3rd Feb 2015

With reference to the above subject herewith we are submitting the half yearly compliance report for the period October 2021 to March 2022 . The details are as follows

Sl No	Description	Details
1.	Name of the Industry	Godavari Biorefineries Limited (Distillery Division) Sameerwadi-587316 Tal: Mudhol, Dist : Bagalkot
2.	Person Responsible	Shri. Mahesh Kenjale General Manager
3.	Email.ID	kenjale.mahesh@somaiya.com
4.	Phone No/ Mobile	08350-260081 +916364859102
5.	Web site details	www.somaiya.com
6.	Environmental Clearance details	F No, J 11011/191/2007-IA II(1) dated 9 th April 2020 F No. J-11011/272/2009-IA II(1) dated 7 th July 2009 FNo. J-11011/272/2009-IA II(1) dated 1 st June 2011 F No. J-11011/272/2009-IA II(1) dated 3 rd Feb 2015
7.	Working days (Days)	149.4

Works : P O Sameerwadi, Tal Mudhol, Dist Bagalkot, Karnataka State - 587 316. INDIA 1
Tel : (91-08350) 260046/ 47/ 48 Fax : (91-08350) 260037 Gram : "SUGAR MILLS" Sameerwadi

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 No U67120MH1956PLC009707 • KST No 5020083-5 w.e.f. 19-09-2002 • TIN No 29100043219 w.e.f. 28-04-09



GST No: 29AABCG2543C1ZZ

Sub: Expansion of distillery unit from 320 KLPD to 400 KLPD by M/s Godavari Biorefineries Lt (Distillery division) at Sy. No.16 & 17 of Saidapur Village, Sy. No. 45,46 of Handigund Village, Sy. No. 74 & 75 of Madbhavi Village Sameerwadi Village, Tehsil Mudhol, Bagalkot (Karnataka), Environmental Clearance -regarding

Specific Condition

Sl No	Conditions	Compliance
(i)	Necessary permission as mandated under the water (prevention and control of Pollution) Act,1974 and the air (prevention and control of pollution) Act, 1981, as applicable from time to time, shall be obtained from the state pollution control Board as required.	Industry has obtained renewed Consent for Operation from state pollution control Board. The details are as follows, Consent for operation bearing number AW 326255 dated 18 th August 2021 and valid upto 30.06.2026.
(ii)	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premise. The reuse of treated effluent in gardening/ horticulture shall not be considered as ZLD.	The raw spentwash generation from the plant is varying from 1800 to 1900 KLD. All the spent wash volume is reduced in three stage evaporation and fed to Incineration boiler of 40 TPH capacity. Industry has provided two no's of condensate polishing unit 1.Biological treatment plant - cap-1650 KLD 2.RO plant - cap : 1680 KLD The spentless and process condensate generated from the process are as follows Spentless : 550 - 600 KLD Process condensate : 1600 -1700 KLD The process condensate generated from the evaporation and spentless from the process are treated in the biological treatment plant and recycled back to cooling tower for makeup.
(iii)	The spent wash after Biomethanation in the anaerobic digester shall compost with press mud. An area of 26 Acres shall be earmarked for compost yard. The compost shall be lined with HDPE sheets and construction of compost yard shall be as per the CPCB guidelines. The unit shall be using biocomposting method of Spent wash treatment technology along with multiple effect evaporaper (MEE) followed by incineration in the boiler to achieve zero liquid discharge. The total operating days of the plant will be 330 days.	Industry has Biomethanisation plant of capacity 1000 M3/d & earmarked an area of 26 RCC concerted area for the Biocomposting. The biocompost area is constructed as per the CPCB guidelines. Industry also provided three stage evaporation followed by 40 TPH incineration boiler for the disposal of spentwash. The photographs of Biocompost yard, Evaporation system and incineration boiler are enclosed as Exhibit No-1 Industry ensures the operation days will not exceed 330 days.

(iv)	Necessary authorization required under the hazardous and other wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the rules shall be strictly adhered to.	Industry has obtained the authorization for the management of Hazardous waste from Karnataka state pollution control Board bearing authorization number 328581 dated 07.12.2021 and valid upto 30 th June 2026. . Authorization copy enclosed as Exhibit No-2
(v)	To control source and the fugitive emissions, stable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines	Industry has provided the RCC concrete roads inside the premises for the control fugitive emissions and takes utmost care to control fugitive emissions. Industry also installed cooling system for the molasses storage tanks to control the gaseous emissions during the summer season. Industry has provided stack of height 81 meters at boiler for dispersing the gaseous emissions.
(vi)	Odour shall be prevented at the source and effective odour management scheme shall be implemented.	The effluent spraying at biocompost is carried through mechanical spraying system to minimize the additional quantity. This will minimize the spillage of effluent in biocompost yard and is effective in minimizing the odour. The pressmud generated from the sugar unit transported through covered vehicles to minimize the odour.
(vii)	Total fresh water requirement shall not exceed 1000 m ³ /day proposed to be met from River Ghataprabha. Prior permission shall be obtained from the concerned regulatory authority/CGWA.	Industry ensures the fresh water consumption will not exceed 1000 m ³ /day. Water drawl permission obtained from water resources department, Government of Karnataka is enclosed as Exhibit No-3 .
(vii i)	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.	The ethanol is stored in the MS steel tanks with proper roofing and dyke wall. The storage area is covered with fire hydrant system and chemical extinguisher is provided near tanks. Industry has obtained the PESO license and as per the guidelines the measures are taken for the storage of ethanol.
(ix)	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	The sludge of quantity 250-300 MT per annum generated from the primary ETP is utilized in the biocompost process and sold as manure.

(x)	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage, and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the motor vehicle Act (MVA), 1989.	Noted and agreed for the condition.
(xi)	The Company shall undertake waste minimization measures as below:- a. Metering and control of quantities if active ingredients to minimize waste. b. Reuse of by-products from the process as raw materials or as material substitutes in other processes. c. Use of automated filling to minimize spillage. d. Use of close Feed system into batch reactors. e. Venting equipment through vapour recovery system. f. Use of high pressure hoses for equipment cleaning to reduce waste water generation.	Industry ensures and undertakes all the waste minimization measures. Industry has installed the biological treatment plant as well as RO plant for the treatment of process condensate and spentless generated from the plant and the treated water recycled back to cooling tower to minimize the fresh water consumption. Industry utilizing the high pressure hoses i,e 400 -700 kg/cm ² for the cleaning of evaporator body tubes. Photographs of Hydrojet machine are enclosed as Exhibit No-4
(xii)	The green belt of 5-10 m width shall be developed in more than 33 % of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. selection of plant species shall be as per the CPCB guidelines in consultation with the state Forest Department.	Industry already developed the green belt area around 126 acres. Industry is developing the green belt along the plant periphery and along the road sides. The green belt photographs are enclosed as Exhibit No-5
(xii i)	As committed, funds allocation for the corporate Environment Responsibility (CER) shall be 1.5 % of the total project cost. Item-wise details along with time bound action plan shall be prepared and submitted to the Ministry of Regional office.	The expenditure details for the corporate social responsibility for the last three years are enclosed as Exhibit no-6.
(xi v)	For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Acoustic measures are provided for the 320 KVA DG set and chimney is also provided 6 mtrs above roof level. Chimney height of 81 mtrs is provided at Incineration boiler as per the extant regulations of CPCB. Photograph of 320 KVA DG set Chimney is enclosed as Exhibit No-7.

(xv)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Industry has provided fire hydrant line inside and outside of the plant and taken all safety measures required during any emergency.
(xv i)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupation health check up of the employees is carried out regularly and records are maintained at Occupational health center located in the industry premises.
(xv ii)	There shall be adequate space inside the plant premises earmarked for parking to be allowed outside on public places.	Industry has earmarked an area of three acres as parking space for the tankers. Photograph of parking space is enclosed as Exhibit No-8
(xv iii)	Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emission.	The raw material such as molasses is stored in the steel tanks with proper roofing. Dyke wall is provided surrounding the tanks to take care of any spillages. The coal is stored in coal storage shed. Bag filter is provided at coal crusher for minimizing the fugitive emissions. Photo graphs of coal yard, bag filter are enclosed as Exhibit No-9.
(xi x)	Continues online (24x7) 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 capability and flow meters in the channel/drain carrying effluent within the premises. For continues discharge the unit shall be install pH, TSS, BOD, COD, and flow meter at the ETP outlet.	Industry has installed online emission monitoring system for flue gas PM measurement, flowmeters as well as PTZ camera are installed and are CPCB and KSPCB. The Photo graphs of Online emission monitoring and Flow meters are enclosed as Exhibit No-10

General conditions

Sl No	Conditions	Compliance
(i)	The project proponent shall obtain all other statutory/ necessary permissions / recommendations /NOCs prior to start of construction/operation of the project, which inter alia include, permissions/approvals under the forest (Conservation) Act, 1980; the wildlife (protections) Act,1972; the Coastal Regulation Zone Notification, 2019, as amended from time to time, and other Office memoranda/Circular issued by the Ministry of Environment, Forest and Climate Change from time to time, as applicable to the project.	Noted the condition for compliance
(ii)	The project proponent shall ensure compliance of 'National Emission standers', as applicable to the project, issued by the Ministry from time to time. The project proponent shall also abide by the rules/regulations issued by the CPCB/SPCB for control/abatement of pollution.	Industry abides by the condition. The Ambient Air Quality reports are enclosed as Exhibit No- 11.
(iii)	The project authorities shall adhere to the stipulations made by the state pollution Control Board/Committee, Central Pollution Control Board, State Government and any other statutory authority.	Noted the condition for compliance.
(iv)	The project proponent shall prepare a site specific conservation plan and wildlife management plan in case of the presence of schedule-1 species in the study area, as applicable to the project, and submit to Chief wild life warden for approval. The recommendations shall be implemented in consultation with the state Forest/Wildlife Department in a time bound manner.	Industry does not fall under the schedule -1 for the management of forest / wildlife.
(v)	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. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted & agreed

(vi)	The energy source for lighting purpose shall be preferably LED based, or advance having preference in energy conservation and environment betterment.	Industry already implemented LED based lighting system inside and outside the industry premises for the conservation of energy and betterment of environment. Photo graphs of LED based lighting system is enclosed as Exhibit No-12
(vii)	The locations of ambient air quality monitoring stations shall be decided in consultation with State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Industry has located two ambient air quality monitoring stations in consultation with state pollution control board and monitoring throughout the year on monthly basis. The reports are submitted Regional office KSPCB Bagalkot. Ambient Air quality are enclosed in exhibit no-11.
(viii)	The National ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be followed.	Industry abides by the condition.
(ix)	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 environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Industry monitoring the noise levels in and around the plant premises and measures are taken to maintain the noise levels as per ambient air quality standards prescribed under Environment protection Act 1986 Rules,1989. The noise monitoring report are enclosed in exhibit No-11
(x)	The Company shall harvest rain water from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.	Industry has provided three numbers of rain water harvesting tanks inside and outside premises The Photo graphs of rain water harvesting tanks are enclosed as exhibit No-13
(xi)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall ne imparted.	Industry is having full pledged safety department consisting of safety manager, safety supervisors and safety guards. Safety Training programme are conducted periodically and training is provided to all departments. Industry has provided personal protective equipment (PPE) for all employees such as Helmets, masks, gumboots, hand gloves and safety google for the chemical handling staff.
(xii)	The company shall also 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.	Industry abides by the condition. Onsite emergency plan is enclosed as exhibit no-14

(xiii)	The Company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented.	Industry is having full pledged Corporate Social Responsibility department and carrying out various programs such as Help a Child (for Poor farmers surrounding the industry), Medical camps, tailoring classes for women empowerment.
(xiv)	The Company shall undertake eco-developmental measures including community welfare measures in the project area for overall improvement of the environment.	Industry abide by the condition.
(xv)	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.	Industry is having full pledged Environment management cell and laboratory facilities to carry out the Environmental monitoring on day today basis. 1) B.R.Bakshi- Executive Director 2) M.D.Kenjale-General Manager (Distillery) 3) K.V.Goudar- AGM(Biocompost) 4) R.N.Desai - Dy. Manager(Production) 5) B B Khandgavi- Manager(Biocompost) 6) R V Deshpande- Asst. Manager(Safety) 7) A V Kulkarni - Asst.Mgr (Biogas) 8) K.S.Malabadi- Sr. Officer (Biogas) 9) Dr. Anadani - Medical Officer
(xvi)	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.	Industry abides by the condition. The details are as follows Capital Cost :Rs 7935 lakhs Recurring Cost : water - Rs 495.42 lakhs Air - Rs 40.36 lakhs
(xvii)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Industry has submitted the Environment Clearance letters to local gram Panchayat and acknowledgement copy of the same is enclosed as Exhibit No-15
(xviii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental clearance conditions including result of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Industry is regularly submitting the six monthly compliance report through email to regional office MoEF&CC Bengaluru and hard copy sent to zonal office CPCB and state pollution control board.

(xix)	The environmental statement for each financial year ending 31 st 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.	Industry is regularly submitting the Environmental statement to state pollution control board before 31 st September every year.
(xx)	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 https://parivesh.nic.in/ . this shall 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 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.	Industry circulated the accordance information of Environment Clearance in two local newspapers and copy of the same is enclosed as Exhibit No -16.
xxi	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.	Industry has obtained the Consent for establishment from state pollution control board on 09 th October 2020 and Consent for operation on 12 th November 2020. Start of the project -28 th October 2020
xxii	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 the project.	Noted for compliance

Place: Sameerwadi
Date : 30.05.2022

Yours faithfully
For Godavari Biorefineries Limited



(Signature)
Mahesh Kenjale
General Manager

ETP Photographs

Exhibit No-1

Integrated Evaporation (Falling film type)



Ist Stage Evaporation (Falling Film)



IInd stage Evaporation (Forced circulation)



Incineration Boiler -40 TPH



26 Acres of RCC Biocomposting Yard



Aerotiller Mixing Machine



Bull Make Mixing Machine



Condensate Polishing Unit (RO System)



Condensate Polishing Unit (Biological) System



Hazardous waste authorization from KSPCB

Form 2 -[Rule 6(2)] Authorization under Hazardous & Other Wastes [Management & Transboundary Movement]Rules,2016
 Authorization No: 328581
 Valid upto: 30/06/2026

Karnataka State Pollution Control Board
 Parkara Bhavana, No.49, Church Street, Bengaluru-560001
 Tele : 080-25589112/3, 25581383
 Fax:080-25586321
 email id: kspcb@kspcb.gov.in

(This document contains 3 pages excluding annexure)

Authorization No: 328581 PCB ID: 10048 Date: 07/12/2021

FORM FOR GRANT OR RENEWAL OF AUTHORIZATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

Ref: 1. Authorization application submitted by the industry/organization on 28/08/2021 at Regional Office.
 2. Inspection of the project site/organization by Regional Officer, Bagalkote on 21/08/2021
 3. Proceedings of CCM dated: held on:

1. Number of authorization 328581 and date of issue 07/12/2021
 2. Reference of application No. 21208 Inward Date 28/08/2021
 3. Director (Works) of Godavari Biofermenties Limited (Distillery Division) is hereby granted an authorization based on the enclosed signed imposition report for Generation, Collection, Reception, Reuse, Disposal or any other use of hazardous or other wastes or both on the premises situated at the location Address: 16,17 of Saiduapur Village-45,46,74,75 of Madabhavi Village, Samserevadi Village, Tq.Mudhol, Dt:Bagalkot Industrial Area, Samserevadi Village, Taluk, Mudhol, District, Bagalkot

Details of Authorization:

Category of Hazardous waste as per the Schedule I, II & IV of these rules	Description of Hazardous Waste	Quantity/Annum	Unit	Authorized Mode of Disposal or recycling or utilization or co-processing, etc.
1	5.2--Wastes Residues Containing Oil	0.010	M.T	As Per Annexure
1	33.1--Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	1.000	M.T	As Per Annexure
1	5.1--Used Spent Oil	0.100	KLT	As Per Annexure

1. The authorization shall be valid for a period upto 30/06/2026

A. General Conditions of authorization:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986 and the Rules made there under.
 2. The authorization or its renewal shall be produced for inspection at the request of an Officer authorized by

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Form 2 -[Rule 6(2)] Authorization under Hazardous & Other Wastes [Management & Transboundary Movement]Rules,2016
 Authorization No: 328581
 Valid upto: 30/06/2026

Karnataka State Pollution Control Board
 Parkara Bhavana, No.49, Church Street, Bengaluru-560001
 Tele : 080-25589112/3, 25581383
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 email id: kspcb@kspcb.gov.in

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the Karnataka State Pollution Control Board

3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous wastes and other wastes except what is permitted through this authorization and without obtaining prior permission of the KSPCB.

4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this authorization.

5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.

6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".

7. It is the duty of the authorized person to take prior permission of the Karnataka State Pollution Control Board to close down the facility.

8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.

9. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.

10. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.

11. An application for the renewal of an authorization shall be made '3' months before the date of expiry.

12. The Person authorized shall bring to the notice of the Board, if any increase in quantity, change in category and handling operation. In such cases, the authorized Person has to obtain fresh authorization.

13. Karnataka State Pollution Control Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions of this authorization or to suspend or cancel this authorization.

14. The Person authorized shall take steps for reduction and prevention of the waste generated or for recycling or reuse.

15. The authorized person shall maintain the records at site in Form-3 and shall submit the annual returns in Form-4 within 30th June every year for the Period April to March and manifest in Form-10.

16. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.

17. The hazardous and other waste which gets generated during recycling or reuse or recovery or re-

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Form 2 -[Rule 6(2)] Authorization under Hazardous & Other Wastes [Management & Transboundary Movement]Rules,2016
 Authorization No: 328581
 Valid upto: 30/06/2026

Karnataka State Pollution Control Board
 Parkara Bhavana, No.49, Church Street, Bengaluru-560001
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processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.

18. The transportation of hazardous waste shall have to be carried out only through registered authorized vehicles meant for transportation of hazardous waste.

19. The Person Authorized shall not store the Hazardous Waste more than ninety days as per Rule 8 (1).

20. The Person Authorized shall transport and store the raw materials in a manner so as not to cause any damage to environment, life and property. The applicant shall be solely responsible for any damages to environment.

21. Display Boards: The person authorized shall display sign boards at the storage site as "Hazardous Waste Storage Site" and "Danger" and the site shall be provided with accident preventive measures.

Additional Conditions:

General Conditions Nil are not applicable.

For and on behalf of the
 Karnataka State Pollution Control Board
CHIEF SENIOR ENVIRONMENTAL OFFICER

COPY TO:
 1. The Environmental Officer, KSPCB, Regional Office, for information and to inspect the industry during your next visit to the area.
 2. Master copy (Dispatch).
 3. Office copy.

Signature Not Verified
 Digitally signed by
 Date: 2021.12.07 16:20:24 +05'30

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ADDITIONAL CONDITIONS TO ACCOMPANY AUTHORIZATION ISSUED UNDER THE PROVISIONS OF THE HAZARDOUS AND OTHER WASTE (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016 OF M.S. GODAVARI BIOFERMENTIES - LINDULDI DISTILLERY DIVISION, SAMSEREVADI POST, MUDHOL TALUK, BAGALKOT DISTRICT

ANNEXURE-I(PCB ID:10048)


Sl. No.	Category of waste	Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorized mode of disposal or recycling or utilization or co-processing	Quantity (ton/annum)
1.	5.1	Used Oil	To Store in a secured manner and hand over to KSPCB authorized Reprocessor/Recycler	0.1 KLT/A
2.	5.2	Waste residues containing oil (Oil Soaked Cotton Waste)	To Store in secure manner and hand over to KSPCB Authorized Incinerator/Co-processing at cement kiln	0.01 MT/A
3.	5.2	Waste residues containing oil (Oil filters)	To Store in secure manner and hand over to KSPCB Authorized Incinerator/Co-processing at cement kiln	5 No's/A
4.	33.1	Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	To Store in a secured manner and hand over to KSPCB authorized recycler	1.0 MT/A

Additional Conditions:

1. The handing over of the hazardous and other wastes to the authorized actual user shall be only after making the entry into the passbook of the actual user as per Rule 6(8) of HWMA Rules, 2016.
 2. The occupier shall obtain E-manifest while accept the waste and generate manifest for the disposal of hazardous waste.

CHIEF SENIOR ENVIRONMENTAL OFFICER
 (Waste Management Cell)

Water drawl permission from water resources department GOK.


ಕರ್ನಾಟಕ ಸರ್ಕಾರ
ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ

ವಿಷಯ: ಮೆ ಗೋದಾವರಿ ಬಂದೋಬಸ್ತಿನಾಳ(ಡಿ), ಸಮೀರವಾಡಿ, ಮುದ್ದೇನಹಳ್ಳಿ ತಾಲ್ಲೂಕು, ಹಾಗೂ ಕೋಟೆ ಇವರಿಗೆ ಫಲಿತಾಂಶ ಸಂದಾಯದ ಬಗ್ಗೆಯೂ, ಮತ್ತು ಕೈಗಾರಿಕೆಗೆ ಬಳಕೆ ಮಾಡಲು ನಿರೀಕ್ಷಿಸಿದ ಪರವಾನಗಿಯನ್ನು ಸೂಚಿಸುವ ಕುರಿತು.

ಲೇಖನ:

1. ಸರ್ಕಾರದ ಆದೇಶ ಸಂಖ್ಯೆ: ಬಸಂ 74 ಎನ್‌ಎಸ್ 2013, ದಿನಾಂಕ: 11.09.2014.
2. ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕರ್ನಾಟಕ ನೀರಾವರಿ ನಿಗಮ ನಿಯಮಿತ, ಇವರ ಪತ್ರ ಸಂಖ್ಯೆ: ಕೆಎನ್‌ಆರ್/ಸಂಚಿ/ಸಿ/1224/2017-18 ದಿನಾಂಕ: 22.03.2018.
3. ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ಜಲ ಸಂಪನ್ಮೂಲ ಅಭಿವೃದ್ಧಿ ಸಂಸ್ಥೆ, ರವರ ಪತ್ರ ಸಂಖ್ಯೆ: ಜಲ/ಸಂಪನ್ಮೂಲ/ಸಂ-4/790-6/ಸಿ/2017-18/666 ದಿನಾಂಕ: 12.07.2018.
4. ದಿನಾಂಕ: 30.10.2018 ರಂದು ಸರ್ಕಾರದ ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿಗಳು, ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ ಇವರ ಅಧಿಕಾರದಲ್ಲಿ ನಡೆದ ಕೈಗಾರಿಕೆಗಾಗಿ ನೀರಿನ ಪಂಚಕೆ ಕುರಿತು ಪರಿಶೀಲಿಸಲು ರಚಿಸಲಾಗಿದವು ಸಂಬಂಧ 26ನೇ ಸಭೆಯ ನಡವಳಿ.

ಪ್ರಸ್ತಾವನೆ:

ಮೆ ಗೋದಾವರಿ ಬಂದೋಬಸ್ತಿನಾಳ(ಡಿ), ಸಮೀರವಾಡಿ, ಮುದ್ದೇನಹಳ್ಳಿ ತಾಲ್ಲೂಕು, ಹಾಗೂ ಕೋಟೆ ಇವರಿಗೆ ಕೈಗಾರಿಕೆ ಉಪಯೋಗಕ್ಕಾಗಿ ಫಲಿತಾಂಶ ಸಂದಾಯದ ಬಗ್ಗೆ 97.70 ಎಂ.ಎಲ್.ಎಸ್. ಪ್ರಮಾಣದ ನೀರನ್ನು ಎತ್ತಿ ಬಳಸಲು ಮೇಲೆ ಲೇಖನ (1)ರ ಆದೇಶದ ದಿನಾಂಕ: 01.02.2013 ರಿಂದ 31.01.2023ರವರೆಗೆ ಪರವಾನಗಿಯನ್ನು ಸೂಚಿಸಲಾಗುತ್ತಿದೆ.

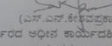
ಮೇಲೆ ಲೇಖನ (2)ದ ಪತ್ರದಲ್ಲಿ ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕರ್ನಾಟಕ ನೀರಾವರಿ ನಿಗಮ ನಿಯಮಿತ ಇವರು ಮೆ ಗೋದಾವರಿ ಬಂದೋಬಸ್ತಿನಾಳ(ಡಿ), ಸಮೀರವಾಡಿ, ಮುದ್ದೇನಹಳ್ಳಿ ರವರ ಮನವಿಯಂತೆ ಫಲಿತಾಂಶ ಸಂದಾಯದ ಬಗ್ಗೆ 97.70 ಎಂ.ಎಲ್.ಎಸ್. ಮುಂದಿನ ಅವಧಿಗಾಗಿ ಅಂದರೆ 01.02.2018 ರಿಂದ 31.01.2023ರವರೆಗೆ 5 ವರ್ಷಗಳ ಅವಧಿಗೆ ಒಪ್ಪಂದದ ಪ್ರಸ್ತಾವನೆ ಸಲ್ಲಿಸಿರುವುದರಿಂದ ಎಂಬ ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ, ಬೆಂಗಳೂರು ಇವರು ತಿಳಿಸಿರುವ ಹಿನ್ನೆಲೆಯಲ್ಲಿ, ಸರಿಯಾಗಿ ಕೈಗಾರಿಕೆಗೆ 01.02.2018 ರಿಂದ ಮುಂದಿನ ರವರು ವರ್ಷಗಳ ಅವಧಿಗೆ ಪರವಾನಗಿ ಸಲ್ಲಿಸುವ ಪ್ರಸ್ತಾವನೆಗೆ ಅನುಮೋದನೆ ನೀಡುವಂತೆ ಕೋರಲಾಗುತ್ತಿದೆ.

ಮೇಲೆ ಲೇಖನ (3)ರ ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ಜಲ ಸಂಪನ್ಮೂಲ ಅಭಿವೃದ್ಧಿ ಸಂಸ್ಥೆ ರವರ ಪತ್ರದಲ್ಲಿ, ಮೆ ಗೋದಾವರಿ ಬಂದೋಬಸ್ತಿನಾಳ(ಡಿ), ಸಮೀರವಾಡಿ, ಮುದ್ದೇನಹಳ್ಳಿ ಇವರಿಗೆ ಫಲಿತಾಂಶ ಸಂದಾಯದ ಬಗ್ಗೆ 97.70 ಎಂ.ಎಲ್.ಎಸ್. ನೀರಿನಲ್ಲಿ 5 ವರ್ಷಗಳ (01.02.2018 ರಿಂದ 31.01.2023) ಅವಧಿಗೆ ಪರವಾನಗಿಯನ್ನು ಸೂಚಿಸುವುದರ ಜೊತೆಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ಸರಿಯಾದ ಮಟ್ಟದ ಒಪ್ಪಂದದ ಮಾರ್ಗದರ್ಶಿಯಾಗಿ Water current meter, Water meter calibration ಹಾಗೂ ಸಂಬಂಧಿಸಿದ Log Register Log ಬಗ್ಗೆ ಕಟ್ಟಬೇಕಾದ ಅಂದರೆ ಬಗ್ಗೆ ಹಾಗೂ ಮಳೆಗಾಲದ ಅವಧಿಯಲ್ಲಿ ಕಂಪನಿಯವರು ಫಲಿತಾಂಶ ಸಂದಾಯದ ನೀರನ್ನು ಎತ್ತಿ ಕಡವೆಗೆ ಆದ ಸ್ವಲ್ಪದ ನೀರನ್ನು ಸಂಗ್ರಹಿಸಿ ಮಳೆಗಾಲದ (Non Monsoon requirement) ಅವಧಿಯಲ್ಲಿ ಉಪಯೋಗಿಸಲಾಗುವ ನೀರನ್ನು ಹಾಗೂ ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆಯಿಂದ ಪರಿಶೀಲಿಸುವ ಬಗ್ಗೆಯೂ 5 ವರ್ಷಗಳ ಅವಧಿಗೆ ಅಂದರೆ ದಿನಾಂಕ: 01.02.2018 ರಿಂದ 31.01.2023ರವರೆಗೆ ನೀರಿನ ಬಳಕೆಯ ಪರವಾನಗಿಯನ್ನು ಸೂಚಿಸಲು ತಿಳಿಸಲಾಗುತ್ತಿದೆ.

ಇಂತಿ ಪ್ರಸ್ತಾವನೆಯನ್ನು ಪರಿಶೀಲಿಸಿ, ಈ ಕೆಳಗಿನಂತೆ ಆದೇಶವನ್ನು ಹೊರಡಿಸಲಾಗಿದೆ.

ಸರ್ಕಾರದ ಆದೇಶ ಸಂಖ್ಯೆ: ಬಸಂ 17 ಎನ್‌ಎಸ್ 2018, ಬೆಂಗಳೂರು, ದಿನಾಂಕ: 20.07.2019

ಮೆ ಗೋದಾವರಿ ಬಂದೋಬಸ್ತಿನಾಳ(ಡಿ), ಸಮೀರವಾಡಿ, ಮುದ್ದೇನಹಳ್ಳಿ ತಾಲ್ಲೂಕು, ಹಾಗೂ ಕೋಟೆ ಇವರಿಗೆ ಫಲಿತಾಂಶ ಸಂದಾಯದ ಬಗ್ಗೆ 97.70 ಎಂ.ಎಲ್.ಎಸ್. ಅವಧಿಯಲ್ಲಿ ನೀರನ್ನು ಬಳಸಲು ಒಪ್ಪಂದ ಮಾಡಿಕೊಳ್ಳುವ Water current meter, Water meter calibration ಹಾಗೂ ಸಂಬಂಧಿಸಿದ Log Register ಅಂದರೆ ಬಗ್ಗೆ ಹಾಗೂ ಮಳೆಗಾಲದ ಅವಧಿಯಲ್ಲಿ ಕಂಪನಿಯವರು ಫಲಿತಾಂಶ ಸಂದಾಯದ ನೀರನ್ನು ಎತ್ತಿ ಕಡವೆಗೆ ಆದ ಸ್ವಲ್ಪದ ನೀರನ್ನು ಸಂಗ್ರಹಿಸಿ ಮಳೆಗಾಲದ (Non Monsoon requirement) ಅವಧಿಯಲ್ಲಿ ಉಪಯೋಗಿಸಲಾಗುವ ನೀರನ್ನು ಹಾಗೂ ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆಯಿಂದ ಪರಿಶೀಲಿಸುವ ಬಗ್ಗೆಯೂ 5 ವರ್ಷಗಳ ಅವಧಿಗೆ ಅಂದರೆ ದಿನಾಂಕ: 01.02.2018 ರಿಂದ 31.01.2023ರವರೆಗೆ 5 ವರ್ಷಗಳ ಅವಧಿಗೆ ನೀಡಲಾಗಿದೆ.

ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲರ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲಿ
 ಮತ್ತು ಅವರ ಹೆಸರಿನಲ್ಲಿ,

 (ಎನ್‌ಎಸ್ ಕೆ.ಕೆ.ವಿ.ಪ್ರಕಾಶ್)
 ಸರ್ಕಾರದ ಅಧಿಕಾರ ಕಾರ್ಯದರ್ಶಿ (ಸಂಚಿ-4),
 ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ.
 ಬೆಂಗಳೂರು.

ಇವರಿಗೆ:

1. ಮಹಾಲೀಲಾಬಾಯಿ, ಕರ್ನಾಟಕ (ಶಕ್ತಿ ಪತ್ರ / ಶಿಕ್ಷಣದರ್ಶಕ), ಬೆಂಗಳೂರು.
2. ಸರ್ಕಾರದ ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿಗಳು, ಮುಖ್ಯ ಮತ್ತು ಕೈಗಾರಿಕೆ ಇಲಾಖೆ, ಬೆಂಗಳೂರು.
3. ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕರ್ನಾಟಕ ನೀರಾವರಿ ನಿಗಮ ನಿಯಮಿತ, ಕೆ.ಎ. ಬೋರ್ಡ್ ಕ್ಯಾಂಪಸ್, ಬೆಂಗಳೂರು-9.
4. ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ಜಲ ಸಂಪನ್ಮೂಲ ಅಭಿವೃದ್ಧಿ ಸಂಸ್ಥೆ, ಬೆಂಗಳೂರು-9.
5. ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ, ಬೆಂಗಳೂರು.
6. ವಿಕೇತನಾಂಕ ಹಾಗೂ ವಲಸಿಗ ಸರ್ಕಾರದ ಇತರ ಕಾರ್ಯದರ್ಶಿಗಳು, ದೇಶೀಯೋದ್ಯೋಗ ಇಲಾಖೆ (ಆರ್ಥಿಕ ಕೋಶ), ಬೆಂಗಳೂರು, ಬೆಂಗಳೂರು.
7. ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ಜಲ ಸಂಪನ್ಮೂಲ ಅಭಿವೃದ್ಧಿ ಸಂಸ್ಥೆ, ಬೆಂಗಳೂರು-9 ಕೆ.ಎ. ಬೋರ್ಡ್ ಕ್ಯಾಂಪಸ್, ಬೆಂಗಳೂರು-9.

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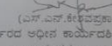
- 2 -

ಮೇಲೆ ಲೇಖನ (4)ರ ನಡವಳಿಯಲ್ಲಿ, ಕೈಗಾರಿಕೆಗಾಗಿ ನೀರಿನ ಪಂಚಕೆ ಕುರಿತು ಪರಿಶೀಲಿಸಿದಂತೆ ಪರಿಶೀಲಿಸಿದ ಸಂಬಂಧ ದಿನಾಂಕ: 30.10.2018 ರಂದು ನಡೆದ ಸಭೆಯಲ್ಲಿ, ಮೆ ಗೋದಾವರಿ ಬಂದೋಬಸ್ತಿನಾಳ(ಡಿ), ಸಮೀರವಾಡಿ, ಮುದ್ದೇನಹಳ್ಳಿ ತಾಲ್ಲೂಕು, ಹಾಗೂ ಕೋಟೆ ಇವರಿಗೆ ಫಲಿತಾಂಶ ಸಂದಾಯದ ಬಗ್ಗೆ 97.70 ಎಂ.ಎಲ್.ಎಸ್. ಅವಧಿಯಲ್ಲಿ ನೀರನ್ನು ಬಳಸಲು ಒಪ್ಪಂದ ಮಾಡಿಕೊಳ್ಳುವ Water current meter, Water meter calibration ಹಾಗೂ ಸಂಬಂಧಿಸಿದ Log Register ಅಂದರೆ ಬಗ್ಗೆ ಹಾಗೂ ಮಳೆಗಾಲದ ಅವಧಿಯಲ್ಲಿ ಕಂಪನಿಯವರು ಫಲಿತಾಂಶ ಸಂದಾಯದ ನೀರನ್ನು ಎತ್ತಿ ಕಡವೆಗೆ ಆದ ಸ್ವಲ್ಪದ ನೀರನ್ನು ಸಂಗ್ರಹಿಸಿ ಮಳೆಗಾಲದ (Non Monsoon requirement) ಅವಧಿಯಲ್ಲಿ ಉಪಯೋಗಿಸಲಾಗುವ ನೀರನ್ನು ಹಾಗೂ ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆಯಿಂದ ಪರಿಶೀಲಿಸುವ ಬಗ್ಗೆಯೂ 5 ವರ್ಷಗಳ ಅವಧಿಗೆ ಅಂದರೆ ದಿನಾಂಕ: 01.02.2018 ರಿಂದ 31.01.2023ರವರೆಗೆ ನೀರಿನ ಬಳಕೆಯ ಪರವಾನಗಿಯನ್ನು ಸೂಚಿಸಲು ತಿಳಿಸಲಾಗುತ್ತಿದೆ.

ಇಂತಿ ಪ್ರಸ್ತಾವನೆಯನ್ನು ಪರಿಶೀಲಿಸಿ, ಈ ಕೆಳಗಿನಂತೆ ಆದೇಶವನ್ನು ಹೊರಡಿಸಲಾಗಿದೆ.

ಸರ್ಕಾರದ ಆದೇಶ ಸಂಖ್ಯೆ: ಬಸಂ 17 ಎನ್‌ಎಸ್ 2018, ಬೆಂಗಳೂರು, ದಿನಾಂಕ: 20.07.2019

ಮೆ ಗೋದಾವರಿ ಬಂದೋಬಸ್ತಿನಾಳ(ಡಿ), ಸಮೀರವಾಡಿ, ಮುದ್ದೇನಹಳ್ಳಿ ತಾಲ್ಲೂಕು, ಹಾಗೂ ಕೋಟೆ ಇವರಿಗೆ ಫಲಿತಾಂಶ ಸಂದಾಯದ ಬಗ್ಗೆ 97.70 ಎಂ.ಎಲ್.ಎಸ್. ಅವಧಿಯಲ್ಲಿ ನೀರನ್ನು ಬಳಸಲು ಒಪ್ಪಂದ ಮಾಡಿಕೊಳ್ಳುವ Water current meter, Water meter calibration ಹಾಗೂ ಸಂಬಂಧಿಸಿದ Log Register ಅಂದರೆ ಬಗ್ಗೆ ಹಾಗೂ ಮಳೆಗಾಲದ ಅವಧಿಯಲ್ಲಿ ಕಂಪನಿಯವರು ಫಲಿತಾಂಶ ಸಂದಾಯದ ನೀರನ್ನು ಎತ್ತಿ ಕಡವೆಗೆ ಆದ ಸ್ವಲ್ಪದ ನೀರನ್ನು ಸಂಗ್ರಹಿಸಿ ಮಳೆಗಾಲದ (Non Monsoon requirement) ಅವಧಿಯಲ್ಲಿ ಉಪಯೋಗಿಸಲಾಗುವ ನೀರನ್ನು ಹಾಗೂ ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆಯಿಂದ ಪರಿಶೀಲಿಸುವ ಬಗ್ಗೆಯೂ 5 ವರ್ಷಗಳ ಅವಧಿಗೆ ಅಂದರೆ ದಿನಾಂಕ: 01.02.2018 ರಿಂದ 31.01.2023ರವರೆಗೆ 5 ವರ್ಷಗಳ ಅವಧಿಗೆ ನೀಡಲಾಗಿದೆ.

ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲರ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲಿ
 ಮತ್ತು ಅವರ ಹೆಸರಿನಲ್ಲಿ,

 (ಎನ್‌ಎಸ್ ಕೆ.ಕೆ.ವಿ.ಪ್ರಕಾಶ್)
 ಸರ್ಕಾರದ ಅಧಿಕಾರ ಕಾರ್ಯದರ್ಶಿ (ಸಂಚಿ-4),
 ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ.
 ಬೆಂಗಳೂರು.

ಇವರಿಗೆ:

1. ಮಹಾಲೀಲಾಬಾಯಿ, ಕರ್ನಾಟಕ (ಶಕ್ತಿ ಪತ್ರ / ಶಿಕ್ಷಣದರ್ಶಕ), ಬೆಂಗಳೂರು.
2. ಸರ್ಕಾರದ ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿಗಳು, ಮುಖ್ಯ ಮತ್ತು ಕೈಗಾರಿಕೆ ಇಲಾಖೆ, ಬೆಂಗಳೂರು.
3. ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕರ್ನಾಟಕ ನೀರಾವರಿ ನಿಗಮ ನಿಯಮಿತ, ಕೆ.ಎ. ಬೋರ್ಡ್ ಕ್ಯಾಂಪಸ್, ಬೆಂಗಳೂರು-9.
4. ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ಜಲ ಸಂಪನ್ಮೂಲ ಅಭಿವೃದ್ಧಿ ಸಂಸ್ಥೆ, ಬೆಂಗಳೂರು-9.
5. ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ, ಬೆಂಗಳೂರು.
6. ವಿಕೇತನಾಂಕ ಹಾಗೂ ವಲಸಿಗ ಸರ್ಕಾರದ ಇತರ ಕಾರ್ಯದರ್ಶಿಗಳು, ದೇಶೀಯೋದ್ಯೋಗ ಇಲಾಖೆ (ಆರ್ಥಿಕ ಕೋಶ), ಬೆಂಗಳೂರು, ಬೆಂಗಳೂರು.
7. ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ಜಲ ಸಂಪನ್ಮೂಲ ಅಭಿವೃದ್ಧಿ ಸಂಸ್ಥೆ, ಬೆಂಗಳೂರು-9 ಕೆ.ಎ. ಬೋರ್ಡ್ ಕ್ಯಾಂಪಸ್, ಬೆಂಗಳೂರು-9.

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8. ಮುಖ್ಯ ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ ಅಧಿಕಾರಿಗಳು, ಬೆಂಗಳೂರು, ಬೆಂಗಳೂರು.
9. ಮೆ ಗೋದಾವರಿ ಬಂದೋಬಸ್ತಿನಾಳ(ಡಿ), ಸಮೀರವಾಡಿ, ಮುದ್ದೇನಹಳ್ಳಿ ತಾಲ್ಲೂಕು, ಹಾಗೂ ಕೋಟೆ ಇವರಿಗೆ ಫಲಿತಾಂಶ ಸಂದಾಯದ ಬಗ್ಗೆ 97.70 ಎಂ.ಎಲ್.ಎಸ್. ನೀರಿನಲ್ಲಿ 5 ವರ್ಷಗಳ (01.02.2018 ರಿಂದ 31.01.2023) ಅವಧಿಗೆ ಪರವಾನಗಿಯನ್ನು ಸೂಚಿಸುವುದರ ಜೊತೆಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ಸರಿಯಾದ ಮಟ್ಟದ ಒಪ್ಪಂದದ ಮಾರ್ಗದರ್ಶಿಯಾಗಿ Water current meter, Water meter calibration ಹಾಗೂ ಸಂಬಂಧಿಸಿದ Log Register Log ಬಗ್ಗೆ ಕಟ್ಟಬೇಕಾದ ಅಂದರೆ ಬಗ್ಗೆ ಹಾಗೂ ಮಳೆಗಾಲದ ಅವಧಿಯಲ್ಲಿ ಕಂಪನಿಯವರು ಫಲಿತಾಂಶ ಸಂದಾಯದ ನೀರನ್ನು ಎತ್ತಿ ಕಡವೆಗೆ ಆದ ಸ್ವಲ್ಪದ ನೀರನ್ನು ಸಂಗ್ರಹಿಸಿ ಮಳೆಗಾಲದ (Non Monsoon requirement) ಅವಧಿಯಲ್ಲಿ ಉಪಯೋಗಿಸಲಾಗುವ ನೀರನ್ನು ಹಾಗೂ ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆಯಿಂದ ಪರಿಶೀಲಿಸುವ ಬಗ್ಗೆಯೂ 5 ವರ್ಷಗಳ ಅವಧಿಗೆ ಅಂದರೆ ದಿನಾಂಕ: 01.02.2018 ರಿಂದ 31.01.2023ರವರೆಗೆ ನೀರಿನ ಬಳಕೆಯ ಪರವಾನಗಿಯನ್ನು ಸೂಚಿಸಲು ತಿಳಿಸಲಾಗುತ್ತಿದೆ.
10. ಸರ್ಕಾರದ ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿಗಳು ಅಥವಾ ಕಾರ್ಯದರ್ಶಿ, ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ, ಬೆಂಗಳೂರು-1.
11. ಸರ್ಕಾರದ ಕಾರ್ಯದರ್ಶಿಗಳು ಅಥವಾ ಕಾರ್ಯದರ್ಶಿ, ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ, ಬೆಂಗಳೂರು-1.
12. ಸರ್ಕಾರದ ಕಾರ್ಯದರ್ಶಿಗಳು ಅಥವಾ ಕಾರ್ಯದರ್ಶಿ, ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ, ಬೆಂಗಳೂರು-1.
13. ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆಯ ಎಲ್ಲಾ ಇತರ ಕಾರ್ಯದರ್ಶಿಗಳು/ಸರ್ಕಾರದ ಅಧಿಕಾರ ಕಾರ್ಯದರ್ಶಿಗಳು.
14. ಕರ್ನಾಟಕ ರಾಜ್ಯ ಕಚೇರಿ/ಶಿಕ್ಷಣ ಸಂಸ್ಥೆ.

High Pressure Hydro jet machines







CSR expenditure of GBL Sameerwadi from 2016-17 to 2021-22

No.	Project name	2021-22	20-21	19-20	18-19	17-18	16-17	Total
1	Promotion of education	40	8.5	19.13	26.57	52.04	91.55	237.79
2	Promoting health care	73.63	10.9		3.21	0.4	2.96	91.1
3	Women empowerment	1.21	0.75	3.53	1.37	3.18	5.49	15.53
4	Environmental sustainability	-	5.71	-	34.88	-	30.55	71.14
5	Promote to rural sports	-	-	-	-	9.2	9.2	18.4
	Total	114.84	25.86	22.66	66.03	64.82	139.75	433.96

320 KVA DG set Chimney



Parking space for the tankers



Coal Storage Shed



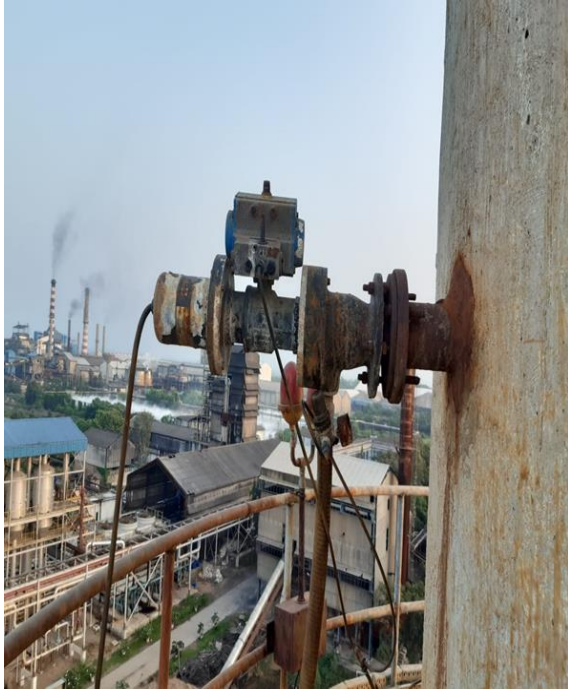
ESP Ash Collection Xylo



Bag Filter for Coal mill



Online emission Monitoring Sensor



Flow meters



Analysis reports :-

Exhibit No-11

❖ Boiler Stack monitoring results: -

Month & Year	Stack No-1, 40 TPH Incineration boiler Stack ID- 1.7 mtr, Height – 81 mtr Fuel: Concentrated Spent wash & Coal, Fuel Ratio: 65 :35				
	Flue gas velocity (m/Sec)	Flue gas Outlet temp deg C	Particulate matter (SPM) mg/Nm3	SO2 mg/nm3	NOX mg/Nm3
November 2021	12.6	147	80	45	32
December 2021	12.9	145	82	46	33
January 2022	12.7	143	86	44	29
February 2022	12.8	147	85	47	34
March 2022	12.9	145	85	46	33

❖ Ambient Air quality monitoring details:

Month & Year	Location	Wind direction	Parameters			
			PM _{2.5} µg/m ³	PM ₁₀ µg/m ³	NO _x µg/m ³	SO ₂ µg/m ³
November .2021	Near distillery gate	Easterly	25	70	10.0	8.0
	Near BTP plant		24	67	10.0	8.0
December 2021	Near distillery gate	Easterly	31	74	14.00	10.00
	Near BTP plant		30	71	12.00	10.00
January 2022	Near distillery gate	Easterly	30	70	12.00	10.00
	Near BTP plant		28	68	10.00	08.00
February 2022	Near distillery gate	Easterly	32	75	15.00	12.00
	Near BTP plant		30	72	12.00	10.00

March 2022	Near distillery gate	Easterly	33	78	15.00	12.00
	Near BTP plant		31	73	12.00	10.00

❖ Electrostatic Precipitator Meter reading :

Sl No	Month	Working days	Initial Reading	Final reading	Total MWH	KWH
1	Oct.21	5.9	1516.88	1524.37	7.49	7490
2	Nov . 2021	25.2	1524.37	1564.01	39.64	39640
3	Dec .2021	30.8	1564.01	1606.00	41.99	41990
4	Jan .2022	30.7	1606.00	1649.92	43.92	43920
5	Feb .2022	27.3	1649.92	1687.86	37.94	37940
6	March .2022	29.5	1687.86	1727.75	39.89	39890
	Total					210870
Average unit consumption per day =1411.44 KWH units						

❖ Noise Level Measurement Report:

Sl No	Location	Sampling time	17.12.2022	24.03.2022
			dB(A) Leq	
1	Distillery main gate	Day	55.9	57.2
		Night	51.2	51.5
2.	Distillery plant	Day	69.3	68.7
		Night	66.1	65.5
3.	Near Boiler	Day	72.4	72.3
		Night	69.8	69.3
4.	Near BTP plant	Day	65.7	65.1
		Night	61.5	61.4
5.	Compost yard	Day	59.2	58.6
		Night	50.1	50.2

❖ Trade Sample Analysis report: Raw Spent wash

Sl No	Parameter	Unit	Result			Test method
			1	2	3	
			24.11.21	17.12.21	12.01.22	
1	pH		2.68	3.58	3.16	IS: 3025(P-11)1983
2	COD	mg/lit	31535	34538	42454	IS: 3025(P-58) 2006
3	BOD	mg/lit	1517	14830	18668	IS: 3025(P-44)1993
4	Total solids	mg/lit	68460	56930	66022	APHA 22 nd edition2012,2540 B
5	Total Volatile solids	mg/lit	31950	30480	35280	APHA 22 nd edition2012, 240-

						E,G
6	Total Inorganic solids	mg/lit	36510	26450	30742	APHA 22 nd edition2012, 2540 C
7.	Chlorides	mg/lit	2578	2191	2276	IS: 3025(P-32)1988
8.	Sulphates	mg/lit	3560	3368	3122	IS: 3025(P-24)1986
9	Potash	mg/lit	9100	8400	8640	IS: 3025(P-45)1993

Sl No	Parameter	Unit	Result		Test method
			4	5	
			11.02.2022	24.03.2022	
1	pH		2.59	2.84	IS: 3025(P-11)1983
2	COD	mg/lit	70781	44356	IS: 3025(P-58) 2006
3	BOD	mg/lit	29053	18207	IS: 3025(P-44)1993
4	Total solids	mg/lit	95960	65340	APHA 22 nd edition2012,2540 B
5	Total Volatile solids	mg/lit	61180	39190	APHA 22 nd edition2012, 240- E,G
6	Total Inorganic solids	mg/lit	34780	26150	APHA 22 nd edition2012, 2540 C
7.	Chlorides	mg/lit	4715	4638	IS: 3025(P-32)1988
8.	Sulphates	mg/lit	3940	2965	IS: 3025(P-24)1986
9	Potash	mg/lit	12500	9600	IS: 3025(P-45)1993

❖ **Trade sample Analysis report: Spent wash sample after Integrated Evaporation (IMEE)**

Sl No	Parameter	Unit	Result			Test method
			1	2	3	
			24.11.21	12.01.22	24.03.22	
1	pH		2.50	2.96	2.81	IS: 3025(P-11)1983
2	COD	mg/lit	63900	86530	74962	IS: 3025(P-58) 2006
3	BOD	mg/lit	22310	36724	30520	IS: 3025(P-44)1993
4	Total solids	mg/lit	97480	106650	95370	APHA 22 nd edition2012,2540

						B
5	Total Volatile solids	mg/lit	62720	64884	51580	APHA 22 nd edition2012, 240-E,G
6.	Total Inorganic solids	mg/lit	35120	41766	43790	APHA 22 nd edition2012, 2540 C
7.	Chlorides	mg/lit	3257	7125	5109	IS: 3025(P-32)1988
8.	Sulphate	mg/lit	3760	6891	3128	IS: 3025(P-24)1986
9.	Potash	mg/lit	9500	11168	11300	IS: 3025(P-45)1993

❖ **Trade sample Analysis report: Spentwash sample after 1st Stage Evaporation**

Sl No	Parameter	Unit	Result		Test method
			1	2	
			24.11.21	17..12.2021	
1	pH		2.37	2.91	IS: 3025(P-11)1983
2	COD	mg/lit	109958	84.050	IS: 3025(P-58) 2006
3	BOD	mg/lit	47080	35730	IS: 3025(P-44)1993
4	Total solids	mg/lit	152460	108360	APHA 22 nd edition2012,2540 B
5	Total Volatile solids	mg/lit	70330	61910	APHA 22 nd edition2012, 240- E,G
6.	Total Inorganic solids	mg/lit	82130	46450	APHA 22 nd edition2012, 2540 C
7.	Chlorides	mg/lit	8290	7705	IS: 3025(P-32)1988
8.	Sulphate	mg/lit	7610	6920	IS: 3025(P-24)1986
9.	Potash	mg/lit	12600	11300	IS: 3025(P-45)1993

❖ Trade sample Analysis report: Spentwash sample after IInd Stage Evaporation

Sl No	Parameter	Unit	Result				Test method
			1	2	3	4	
			24.11.21	17.12.21	12.01.22	24.03.22	
1	pH		3.35	2.62	2.64	2.11	IS: 3025(P-11)1983
2	COD	mg/lit	298754	450821	446284	218342	IS: 3025(P-58) 2006
3	BOD	mg/lit	124610	187370	183730	92580	IS: 3025(P-44)1993
4	Total solids	mg/lit	355920	395190	398910	275310	APHA 22 nd edition2012,2540 B
5	Total Volatile solids	mg/lit	194370	209520	208290	163570	APHA 22 nd edition2012, 240- E,G
6.	Total Inorganic solids	mg/lit	161550	185670	190620	111740	APHA 22 nd edition2012, 2540 C
7.	Chlorides	mg/lit	23752	28507	26705	13835	IS: 3025(P-32)1988
8.	Sulphate	mg/lit	16410	19210	18384	9718	IS: 3025(P-24)1986
9.	Potash	mg/lit	26500	29700	27490		IS: 3025(P-45)1993

❖ Spentless:

Sl No	Parameter	Unit	Result			Test method
			1	2	3	
			12.01.22	11.02.22	24.03.22	
1	pH		1.67	2.69	2.73	IS: 3025(P-11)1983
2	COD	mg/lit	147	390	290	IS: 3025(P-58) 2006
3	BOD (3 days @27deg C)	mg/lit	56	120	102	IS: 3025(P-44)1993
4	Total dissolved solids	mg/lit	113	110	105	IS: 3025(P-16)1984
5	Total suspended solids	mg/lit	<4	ND	ND	IS: 3025(P-17)1984

7.	Chlorides as CL ⁻	mg/lit	18	15	23	IS: 3025(P-32)1988
8.	Sulphates as SO ₄	mg/lit	10	8	9	IS: 3025(P-24)1986
9.	Oil & Grease	mg/lit	ND	ND	ND	IS: 3025(P-39)1991 (RA 2003)

❖ **Trade sample Analysis report: Integrated MEE Process Condensate**

Sl No	Parameter	Unit	Result			Test method
			1	2	3	
			12.01.22	11.02.22	24.03.22	
1	pH		1.35	3.80	2.31	IS: 3025(P-11)1983
2	COD	mg/lit	1698	3546	2576	IS: 3025(P-58) 2006
3	BOD	mg/lit	744	1570	1140	IS: 3025(P-44)1993
4	Total dissolved solids	mg/lit	230	210	215	IS: 3025(P-16)1984
5	Total suspended solids	mg/lit	12	15	10	IS: 3025(P-17)1984
7.	Chlorides as CL ⁻	mg/lit	32	38	54	IS: 3025(P-32)1988
8.	Sulphates as SO ₄	mg/lit	12	12	11	IS: 3025(P-24)1986
9.	Oil & Grease	mg/lit	ND	ND	ND	IS: 3025(P-39)1991 (RA 2003)

❖ Trade sample Analysis report: Ist Stage MEE Process Condensate

Sl No	Parameter	Unit	Result			Test method
			1	2	3	
			12.01.22	11.02.22	24.03.22	
1	pH		1.35	3.80	2.31	IS: 3025(P-11)1983
2	COD	mg/lit	1698	3546	2576	IS: 3025(P-58) 2006
3	BOD	mg/lit	744	1570	1140	IS: 3025(P-44)1993
4	Total dissolved solids	mg/lit	230	210	215	IS: 3025(P-16)1984
5	Total suspended solids	mg/lit	12	15	10	IS: 3025(P-17)1984
7.	Chlorides as CL ⁻	mg/lit	32	38	54	IS: 3025(P-32)1988
8.	Sulphates as SO ₄	mg/lit	12	12	11	IS: 3025(P-24)1986
9.	Oil & Grease	mg/lit	ND	ND	ND	IS: 3025(P-39)1991 (RA 2003)

❖ Trade sample Analysis report: IInd Stage MEE Process Condensate

Sl No	Parameter	Unit	Result		Test method
			1	2	
			24.11.21	24.03.22	
1	pH		1.75	2.05	IS: 3025(P-11)1983
2	COD	mg/lit	7889	5425	IS: 3025(P-58) 2006
3	BOD	mg/lit	3340	2090	IS: 3025(P-44)1993
4	Total dissolved solids	mg/lit	290	260	IS: 3025(P-16)1984
5	Total suspended solids	mg/lit	15	10	IS: 3025(P-17)1984
7.	Chlorides as CL ⁻	mg/lit	142	89	IS: 3025(P-32)1988
8.	Sulphates as SO ₄	mg/lit	70	34	IS: 3025(P-24)1986
9.	Oil & Grease	mg/lit	ND	ND	IS: 3025(P-39)1991 (RA 2003)

❖ **Condensate polishing Unit (BTP)**

Sl No	Parameter	Unit	Result		Test method
			Inlet	Outlet	
			24.11.21		
1	pH		3.03	7.92	IS: 3025(P-11)1983
2	COD	mg/lit	415	58	IS: 3025(P-58) 2006
3	BOD (3 days @27deg C)	mg/lit	170	14	IS: 3025(P-44)1993
4	Total dissolved solids	mg/lit	810	290	IS: 3025(P-16)1984
5	Total suspended solids	mg/lit	90	24	IS: 3025(P-17)1984
7.	Chlorides as CL ⁻	mg/lit	240	85	IS: 3025(P-32)1988
8.	Sulphates as SO ₄	mg/lit	102	90	IS: 3025(P-24)1986
9.	Oil & Grease	mg/lit	ND	ND	IS: 3025(P-39)1991 (RA 2003)

Sl No	Parameter	Unit	Result		Test method
			Inlet	Outlet	
			17.12.21		
1	pH		2.64	7.04	IS: 3025(P-11)1983
2	COD	mg/lit	725	24	IS: 3025(P-58) 2006
3	BOD (3 days @27deg C)	mg/lit	310	<4	IS: 3025(P-44)1993
4	Total dissolved solids	mg/lit	370	170	IS: 3025(P-16)1984
5	Total suspended solids	mg/lit	50	10	IS: 3025(P-17)1984
7.	Chlorides as CL ⁻	mg/lit	62	18	IS: 3025(P-32)1988
8.	Sulphates as SO ₄	mg/lit	21	7	IS: 3025(P-24)1986
9.	Oil & Grease	mg/lit	ND	ND	IS: 3025(P-39)1991 (RA 2003)

Sl No	Parameter	Unit	Result		Test method
			Inlet	Outlet	
			12.01.2022		
1	pH		2.82	7.14	IS: 3025(P-11)1983
2	COD	mg/lit	786	28	IS: 3025(P-58) 2006
3	BOD (3 days @27deg C)	mg/lit	324	<4	IS: 3025(P-44)1993
4	Total dissolved solids	mg/lit	348	154	IS: 3025(P-16)1984
5	Total suspended solids	mg/lit	54	8	IS: 3025(P-17)1984
7.	Chlorides as CL ⁻	mg/lit	72	12	IS: 3025(P-32)1988
8.	Sulphates as SO ₄	mg/lit	26	6	IS: 3025(P-24)1986
9.	Oil & Grease	mg/lit	ND	ND	IS: 3025(P-39)1991 (RA 2003)

❖ **Borewell Analysis report:** Date of Sampling: 24.11.2021

Sl No	Test parameter	Unit	Kiaar LAB Bisnal	P R Wali Bisnal	H S Banaj Bisnal	Test Method
			1	2	3	
1	Color	Hazen	<5	<5	<5	IS: 3025(P-04)1983
2	Odor		Agreeable	Agreeable	Agreeable	IS: 3025(P-05) 1983
3	pH		7.52	7.65	7.33	IS: 3025(P-11)1983
4	Turbidity	NTU	0.1	1.1	0.6	IS: 3025(P-10)1984
5	Total Alkalinity	mg/lit	170	190	184	IS: 3025(P-23) 1986
6	COD	mg/lit	25	28	26	IS: 3025(P-58) 2006
7	BOD(3days @270 C	mg/lit	<4	<4	<4	IS: 3025(P-44)1993
8	TDS	mg/lit	490	560	540	IS: 3025(P-16) 1984
9	Chlorides	mg/lit	102	115	138	IS: 3025(P-32)1988
10	Hardness	mg/lit	280	430	476	IS: 3025(P-21)1983
11	Calcium	mg/lit	76	126	130	IS: 3025(P-40) 1991
12	Magnesium	mg/lit	22	28	37	IS: 3025(P-46)1994
13	Sodium	mg/lit	59.7	76.2	102.8	IS: 3025(P-45) 1993
14	Potassium	mg/lit	3.5	4.5	4.3	IS: 3025(P-44)1993
15	%sodium	%	31.32	27.56	31.67	By calculation
16	SAR		1.55	1.59	2.04	By calculation
17	RSC	meq/l	-2.23	-4.83	-5.9	By calculation
18	EC	µmhos/cm	870	960	960	IS: 3025(P-14)1984

❖ **Borewell Analysis report: Date of Sampling: 24.11.2021**

SI No	Test parameter	Unit	S B Banaj Bisnal	S P Maygur Bisnal	S. P. Naik Bisnal	Test Method
			4	5	6	
1	Color	Hazen	<5	<5	<5	IS: 3025(P-04)1983
2	Odor		Agreeable	Agreeable	Agreeable	IS: 3025(P-05) 1983
3	pH		7.73	7.46	7.92	IS: 3025(P-11)1983
4	Turbidity	NTU	0.2	0.5	0.8	IS: 3025(P-10)1984
5	Total Alkalinity	mg/lit	210	192	220	IS: 3025(P-23) 1986
6	COD	mg/lit	29	27	28	IS: 3025(P-58) 2006
7	BOD(3days @270 C	mg/lit	<4	<4	<4	IS: 3025(P-44)1993
8	TDS	mg/lit	570	550	590	IS: 3025(P-16) 1984
9	Chlorides	mg/lit	144	129	162	IS: 3025(P-32)1988
10	Hardness	mg/lit	480	460	490	IS: 3025(P-21)1983
11	Calcium	mg/lit	134	124	138	IS: 3025(P-40) 1991
12	Magnesium	mg/lit	35	37	35	IS: 3025(P-46)1994
13	Sodium	mg/lit	107.1	102.7	126.2	IS: 3025(P-45) 1993
14	Potassium	mg/lit	4.0	4.3	4.8	IS: 3025(P-44)1993
15	%sodium	%	32.5	32.34	35.69	By calculation
16	SAR		2.12	2.07	2.48	By calculation
17	RSC	meq/l	-5.41	-5.44	-5.41	By calculation
18	EC	µmhos/cm	980	960	1030	IS: 3025(P-14)1984

❖ **Borewell Analysis report: Date of Sampling: 24.11.2021**

Sl No	Test parameter	Unit	H S Naik Bisnal	B G Shirol Bisnal	Test Method
			7	8	
1	Color	Hazen	<5	<5	IS: 3025(P-04)1983
2	Odor		Agreeable	Agreeable	IS: 3025(P-05) 1983
3	pH		7.80	7.62	IS: 3025(P-11)1983
4	Turbidity	NTU	0.9	1.2	IS: 3025(P-10)1984
5	Total Alkalinity	mg/lit	205	180	IS: 3025(P-23) 1986
6	COD	mg/lit	26	25	IS: 3025(P-58) 2006
7	BOD(3days @270 C	mg/lit	<4	<4	IS: 3025(P-44)1993
8	TDS	mg/lit	570	610	IS: 3025(P-16) 1984
9	Chlorides	mg/lit	140	148	IS: 3025(P-32)1988
10	Hardness	mg/lit	510	680	IS: 3025(P-21)1983
11	Calcium	mg/lit	152	216	IS: 3025(P-40) 1991
12	Magnesium	mg/lit	32	34	IS: 3025(P-46)1994
13	Sodium	mg/lit	121.9	105.8	IS: 3025(P-45) 1993
14	Potassium	mg/lit	5.3	4.3	IS: 3025(P-44)1993
15	%sodium	%	33.86	25.15	By calculation
16	SAR		2.34	1.76	By calculation
17	RSC	meq/l	-6.16	-10.03	By calculation
18	EC	µmhos/cm	1030	1120	IS: 3025(P-14)1984

❖ **Borewell Analysis report:** Date of Sampling: 17.12.2021

Sl No	Test parameter	Unit	G R	V N	U S Chanal	Test Method
			Kulkarni Handigund	Bhasme Handigund	Handigund	
			1	2	3	
1	Color	Hazen	<5	<5	<5	IS: 3025(P-04)1983
2	Odor		Agreeable	Agreeable	Agreeable	IS: 3025(P-05)1983
3	pH		7.51	7.56	7.29	IS: 3025(P-11)1983
4	Turbidity	NTU	2.1	1.3	2.5	IS: 3025(P-10)1984
5	Total Alkalinity	mg/lit	230	210	260	IS: 3025(P-23)1986
6	COD	mg/lit	29	24	30	IS: 3025(P-58)2006
7	BOD(3days @270 C	mg/lit	<4	<4	<4	IS: 3025(P-44)1993
8	TDS	mg/lit	762	740	870	IS: 3025(P-16)1984
9	Chlorides	mg/lit	162	148	204	IS: 3025(P-32)1988
10	Hardness	mg/lit	820	794	930	IS: 3025(P-21)1983
11	Calcium	mg/lit	248	246	272	IS: 3025(P-40)1991
12	Magnesium	mg/lit	49	44	61	IS: 3025(P-46)1994
13	Sodium	mg/lit	104.7	96.7	116.5	IS: 3025(P-45)1993
14	Potassium	mg/lit	5.2	5.1	4.9	IS: 3025(P-44)1993
15	%sodium	%	21.58	20.78	21.3	By calculation
16	SAR		1.58	1.49	1.66	By calculation
17	RSC	meq/l	-11.88	-11.76	-13.48	By calculation
18	EC	µmhos/cm	1570	1560	1740	IS: 3025(P-14)1984

❖ **Borewell Analysis report:** Date of Sampling: 17.12.2021

Sl No	Test parameter	Unit	S S Kuibagi Handigund	M S Chingundi Handigund	Test Method
			4	5	
1	Color	Hazen	<5	<5	IS: 3025(P-04)1983
2	Odor		Agreeable	Agreeable	IS: 3025(P-05) 1983
3	pH		7.19	7.37	IS: 3025(P-11)1983
4	Turbidity	NTU	0.7	0.3	IS: 3025(P-10)1984
5	Total Alkalinity	mg/lit	190	170	IS: 3025(P-23) 1986
6	COD	mg/lit	28	23	IS: 3025(P-58) 2006
7	BOD(3days @270 C	mg/lit	<4	<4	IS: 3025(P-44)1993
8	TDS	mg/lit	870	460	IS: 3025(P-16) 1984
9	Chlorides	mg/lit	205	108	IS: 3025(P-32)1988
10	Hardness	mg/lit	950	554	IS: 3025(P-21)1983
11	Calcium	mg/lit	304	168	IS: 3025(P-40) 1991
12	Magnesium	mg/lit	46	33	IS: 3025(P-46)1994
13	Sodium	mg/lit	102.4	95.3	IS: 3025(P-45) 1993
14	Potassium	mg/lit	5.2	4.1	IS: 3025(P-44)1993
15	%sodium	%	18.91	27	By calculation
16	SAR		1.44	1.75	By calculation
17	RSC	meq/l	-15.23	-7.75	By calculation
18	EC	µmhos/cm	1780	780	IS: 3025(P-14)1984

❖ **Borewell Analysis report:** Date of Sampling: 12.01.2022

Sl No	Test parameter	Unit	B H Sanadi Kappalguddi	B R Uddapagaol Kappalguddi	M L Ajjapagaol Kappalguddi	Test Method
			1	2	3	
1	Color	Hazen	<5	<5	<5	IS: 3025(P-04)1983
2	Odor		Agreeable	Agreeable	Agreeable	IS: 3025(P-05)1983
3	pH		7.28	7.42	7.49	IS: 3025(P-11)1983
4	Turbidity	NTU	1.7	0.6	1.6	IS: 3025(P-10)1984
5	Total Alkalinity	mg/lit	408	482	389	IS: 3025(P-23)1986
6	COD	mg/lit	31	50	40	IS: 3025(P-58)2006
7	BOD(3days @270 C	mg/lit	< 4	6	< 4	IS: 3025(P-44)1993
8	TDS	mg/lit	1093	1110	1360	IS: 3025(P-16)1984
9	Chlorides	mg/lit	478	451	642	IS: 3025(P-32)1988
10	Hardness	mg/lit	512	645	890	IS: 3025(P-21)1983
11	Calcium	mg/lit	128	178	256	IS: 3025(P-40)1991
12	Magnesium	mg/lit	46	48	60	IS: 3025(P-46)1994
13	Sodium	mg/lit	112	108	128	IS: 3025(P-45)1993
14	Potassium	mg/lit	6.2	5.9	7.9	IS: 3025(P-44)1993
15	%sodium	%	32.22	26.56	23.70	By calculation
16	SAR		2.32	1.85	1.87	By calculation
17	RSC	meq/l	-7.63	-8.9	-13.8	By calculation
18	EC	µmhos/cm	1763	1790	2250	IS: 3025(P-14)1984

❖ **Borewell Analysis report:** Date of Sampling: 12.01.2022

Sl No	Test parameter	Unit	P.K. Bhangi Kappalguddi	Near Hanuman temple Azadnagar	CBSE school Saidapur	Test Method
			4	5	6	
1	Color	Hazen	<5	<5	<5	IS: 3025(P-04)1983
2	Odor		Agreeable	Agreeable	Agreeable	IS: 3025(P-05)1983
3	pH		7.87	7.52	7.64	IS: 3025(P-11)1983
4	Turbidity	NTU	0.5	0.1	0.2	IS: 3025(P-10)1984
5	Total Alkalinity	mg/lit	256	226	146	IS: 3025(P-23)1986
6	COD	mg/lit	22	14	12	IS: 3025(P-58)2006
7	BOD(3days @270 C	mg/lit	< 4	<4	<4	IS: 3025(P-44)1993
8	TDS	mg/lit	675	560	560	IS: 3025(P-16)1984
9	Chlorides	mg/lit	204	162	158	IS: 3025(P-32)1988
10	Hardness	mg/lit	518	443	297	IS: 3025(P-21)1983
11	Calcium	mg/lit	154	124	62	IS: 3025(P-40)1991
12	Magnesium	mg/lit	32	32	34	IS: 3025(P-46)1994
13	Sodium	mg/lit	92.8	71.2	72.4	IS: 3025(P-45)1993
14	Potassium	mg/lit	5.7	3.6	3.6	IS: 3025(P-44)1993
15	%sodium	%	27.83	25.66	34.48	By calculation
16	SAR		1.77	1.47	1.83	By calculation
17	RSC	meq/l	-6.36	-4.86	-1.93	By calculation
18	EC	µmhos/cm	1089	903	903	IS: 3025(P-14)1984

❖ **Borewell Analysis report:** Date of Sampling: 11.02.2022

Sl No	Test parameter	Unit	Girish R Kulkarni Handigund	Vijay N Basme Handigund	Ulliappa S Chanal Handigund	Test Method
			1	2	3	
1	Color	Hazen	<5	<5	<5	IS: 3025(P-04)1983
2	Odor		Agreeable	Agreeable	Agreeable	IS: 3025(P-05) 1983
3	pH		7.53	7.67	7.36	IS: 3025(P-11)1983
4	Turbidity	NTU	1.9	1.1	2.2	IS: 3025(P-10)1984
5	Total Alkalinity	mg/lit	218	230	240	IS: 3025(P-23) 1986
6	COD	mg/lit	27	25	28	IS: 3025(P-58) 2006
7	BOD(3days @270 C	mg/lit	<4	<4	<4	IS: 3025(P-44)1993
8	TDS	mg/lit	754	720	850	IS: 3025(P-16) 1984
9	Chlorides	mg/lit	156	135	192	IS: 3025(P-32)1988
10	Hardness	mg/lit	790	768	880	IS: 3025(P-21)1983
11	Calcium	mg/lit	245	240	269	IS: 3025(P-40) 1991
12	Magnesium	mg/lit	43	29	51	IS: 3025(P-46)1994
13	Sodium	mg/lit	102.3	93.1	119.2	IS: 3025(P-45) 1993
14	Potassium	mg/lit	5.1	4.6	4.5	IS: 3025(P-44)1993
15	%sodium	%	21.86	21.84	22.61	By calculation
16	SAR		1.58	1.51	1.71	By calculation
17	RSC	meq/l	-11.47	-981	-12.9	By calculation
18	EC	µmhos/cm	1490	1430	1690	IS: 3025(P-14)1984

❖ **Borewell Analysis report: Date of Sampling: 11.02.2022**

Sl No	Test parameter	Unit	Sidhappa S Kurbagi Handigund	Mahadev S Chingundi Handigund	Test Method
			4	5	
1	Color	Hazen	<5	<5	IS: 3025(P-04)1983
2	Odor		Agreeable	Agreeable	IS: 3025(P-05) 1983
3	pH		7.28	7.53	IS: 3025(P-11)1983
4	Turbidity	NTU	1.2	0.8	IS: 3025(P-10)1984
5	Total Alkalinity	mg/lit	196	186	IS: 3025(P-23) 1986
6	COD	mg/lit	26	24	IS: 3025(P-58) 2006
7	BOD(3days @270 C	mg/lit	<4	<4	IS: 3025(P-44)1993
8	TDS	mg/lit	880	450	IS: 3025(P-16) 1984
9	Chlorides	mg/lit	204	91	IS: 3025(P-32)1988
10	Hardness	mg/lit	910	538	IS: 3025(P-21)1983
11	Calcium	mg/lit	295	162	IS: 3025(P-40) 1991
12	Magnesium	mg/lit	42	32	IS: 3025(P-46)1994
13	Sodium	mg/lit	109.3	93.7	IS: 3025(P-45) 1993
14	Potassium	mg/lit	4.8	4.3	IS: 3025(P-44)1993
15	%sodium	%	20.61	27.34	By calculation
16	SAR		1.57	1.76	By calculation
17	RSC	meq/l	-14.33	-7.04	By calculation
18	EC	µmhos/cm	1720	750	IS: 3025(P-14)1984

❖ **Borewell Analysis report:** Date of Sampling: 24.03.2022

Sl No	Test parameter	Unit	Ishwar Rudrappa Terdal Bisnal	Sidhappa Kallappa Biradi Bisnal	KIAAR Culture Lab Bisnal	Test Method
			1	2	3	
1	Color	Hazen	<5	<5	<5	IS: 3025(P-04)1983
2	Odor		Agreeable	Agreeable	Agreeable	IS: 3025(P-05) 1983
3	pH		7.71	7.69	7.59	IS: 3025(P-11)1983
4	Turbidity	NTU	0.2	0.5	0.2	IS: 3025(P-10)1984
5	Total Alkalinity	mg/lit	184	168	230	IS: 3025(P-23) 1986
6	COD	mg/lit	27	28	28	IS: 3025(P-58) 2006
7	BOD(3days @270 C	mg/lit	<4	<4	<4	IS: 3025(P-44)1993
8	TDS	mg/lit	480	440	430	IS: 3025(P-16) 1984
9	Chlorides	mg/lit	121	116	88	IS: 3025(P-32)1988
10	Hardness	mg/lit	310	336	482	IS: 3025(P-21)1983
11	Calcium	mg/lit	75	104	156	IS: 3025(P-40) 1991
12	Magnesium	mg/lit	30	19	22	IS: 3025(P-46)1994
13	Sodium	mg/lit	63.7	53.3	45.7	IS: 3025(P-45) 1993
14	Potassium	mg/lit	3.9	2.9	3.1	IS: 3025(P-44)1993
15	%sodium	%	30.5	25.34	17.04	By calculation
16	SAR		1.57	1.26	0.9	By calculation
17	RSC	meq/l	-2.57	-3.42	-5.03	By calculation
18	EC	µmhos/cm	890	810	750	IS: 3025(P-14)1984

❖ **Borewell Analysis report:** Date of Sampling: 24.03.2022

Sl No	Test parameter	Unit	Prakash Dundappa Naik Bisnal	Hanamant h Satyappa Banaj Bisnal	Shivling Basappa Banaj Bisnal	Bhimappa Gurupadappa Shirol Bisnal	Test Method
			4	5	6	7	
1	Color	Hazen	<5	<5	<5	<5	IS: 3025(P-04)1983
2	Odor		Agreeable	Agreeable	Agreeable	Agreeable	IS: 3025(P-05) 1983
3	pH		8.19	7.62	8.15	7.93	IS: 3025(P-11)1983
4	Turbidity	NTU	0.5	0.3	0.5	1.5	IS: 3025(P-10)1984
5	Total Alkalinity	mg/lit	188	190	220	205	IS: 3025(P-23) 1986
6	COD	mg/lit	25	28	31	28	IS: 3025(P-58) 2006
7	BOD(3days @270 C	mg/lit	<4	<4	<4	<4	IS: 3025(P-44)1993
8	TDS	mg/lit	460	530	580	640	IS: 3025(P-16) 1984
9	Chlorides	mg/lit	98	132	145	158	IS: 3025(P-32)1988
10	Hardness	mg/lit	320	488	496	710	IS: 3025(P-21)1983
11	Calcium	mg/lit	84	132	138	214	IS: 3025(P-40) 1991
12	Magnesium	mg/lit	27	39	37	43	IS: 3025(P-46)1994
13	Sodium	mg/lit	65.6	105.1	113.5	109.2	IS: 3025(P-45) 1993
14	Potassium	mg/lit	3.1	4.2	4.3	4.6	IS: 3025(P-44)1993
15	%sodium	%	30.52	31.57	32.9	24.88	By calculation
16	SAR		1.59	2.06	2.21	1.78	By calculation
17	RSC	meq/l	-2.69	-6.05	-5.58	-10.18	By calculation
18	EC	µmhos/cm	870	940	1030	1150	IS: 3025(P-14)1984

❖ **Soil analysis report:** Date of Sampling: 24.11.2021

Sl No	Test parameter	Unit	P R Wali Binal	H S Banaj Bisnal	S B Banaj Bisnal	S P Maygur Bisnal	S P Naik Bisnal	Test Method
			1	2	3	4	5	
1	pH	-	7.82	8.12	8.24	7.92	8.23	PP-77 -78
2	Conductivity	mmhos/cm	0.390	0.280	0.290	0.260	0.290	PP-81 -82
3	Mineraliable Nitrogen	%	0.064	0.061	0.064	0.061	0.064	PP-89 -91
4	Available Phosphorus	Kg/ha	55	53	54	52	57	PP-96 -98
5	Available Potassium	Kg/ha	450	540	610	590	530	PP-99 -100
6	Organic carbon	%	0.68	0.65	0.62	0.65	0.68	PP-84 -85
7	Calcium (as Ca)	%	2.19	2.35	2.29	2.35	2.21	PP-103 -104
8	Magnesium(as Mg)	%	0.04	0.029	0.021	0.026	0.019	PP-104 -105

Sl No	Test parameter	Unit	H S Naik Bisnal	B G Shirol Bisnal	Test Method
			6	7	
1	pH	-	8.16	8.09	PP-77 -78
2	Conductivity	mmhos/cm	0.270	0.320	PP-81 -82
3	Mineraliable Nitrogen	%	0.063	0.065	PP-89 -91
4	Available Phosphorus	Kg/ha	55	58	PP-96 -98
5	Available Potassium	Kg/ha	510	390	PP-99 -100
6	Organic carbon	%	0.64	0.67	PP-84 -85
7	Calcium (as Ca)	%	2.26	2.35	PP-103 -104
8	Magnesium(as Mg)	%	0.022	0.028	PP-104 -105

❖ **Soil analysis report:** Date of Sampling: 17.12.2021

Sl No	Test parameter	Unit	Girish Kulkarni	Vijay Bhasme	Ulleppe Chanal	Sidappa Kurbagi	Mahadev Chingundi	Test Method
			1	2	3	4	5	
1	pH	-	7.82	7.89	7.92	8.03	8.13	PP-77 -78
2	Conductivity	mmhos/cm	0.370	0.360	0.410	0.340	0.280	PP-81 -82
3	Mineraliable Nitrogen	%	0.062	0.062	0.068	0.062	0.061	PP-89 -91
4	Available Phosphorus	Kg/ha	55	53	56	55	52	PP-96 -98
5	Available Potassium	Kg/ha	410	570	370	470	510	PP-99 -100
6	Organic carbon	%	0.64	0.61	0.68	0.63	0.63	PP-84 -85
7	Calcium (as Ca)	%	2.73	2.71	2.88	2.68	2.39	PP-103 -104
8	Magnesium (as Mg)	%	0.26	0.23	0.21	0.24	0.18	PP-104 -105

❖ **Boiler Ash analysis report:**

Sl No	Parameter	Unit	Result	
			24.11.21	17.12.2021
1	Moisture	%	0.64	0.69
2	pH(Saturated)		11.6	11.2
3	Total Volatile Solids	%	1.44	1.53
4	Residual ash	%	98.56	98.47
5	Nitrogen	%	1.03	1.03
6	Phosphorus as P2O5	%	1.38	1.35
7	Potassium as K2O	%	13.9	9.3
8	Organic carbon	%	5.7	3.7

❖ Pressmud Analysis :

Sl No	Parameter	Unit	Result	
			24.11.21	17.12.2021
1	Moisture	%	63.71	55.07
2	pH(Saturated)		5.31	4.35
3	Total Volatile Solids	%	84.29	52.12
4	Residual ash	%	15.71	47.88
5	Nitrogen	%	1.16	1.88
6	Phosphorus as P2O5	%	1.07	1.50
7	Potassium as K2O	%	0.81	0.39
8	Organic carbon	%	46.2	43.74

❖ Yeast Sludge Analysis .

Sl No	Parameter	Unit	Result
			17.12.2021
1	Moisture	%	54.37
2	pH(Saturated)		4.69
3	Total Volatile Solids	%	81.53
4	Residual ash	%	18.47
5	Nitrogen	%	1.03
6	Phosphorus as P2O5	%	1.12
7	Potassium as K2O	%	3.72
8	Organic carbon	%	5.9

❖ **Biocompost Analysis Report :**

Sl No	Parameter	Unit	Result	
			17.01.22	24.03.22
1	Moisture	%	24.21	30.25
2	pH(Saturated)		6.60	6.59
3	Total Volatile Solids	%	64.02	62.47
4	Residual ash	%	35.98	37.53
5	Nitrogen	%	1.74	1.69
6	Phosphorus as P2O5	%	1.73	1.85
7	Potassium as K2O	%	3.53	3.34
8	Organic carbon	%	27.04	28.13
9	C/N		15.54	16.64
	Leachate water Analysis			
10	pH		7.83	7.56
11	COD	mg/lit	218	223
12	BOD	mg/lit	23	25
13	Chlorides	mg/lit	162	141
14	E C	μMhos/cm	1421	1410

LED based lighting system





Rain water harvesting ponds



Onsite Emergency Plan

 **ON-SITE EMERGENCY PLAN**
FOR
GODAVARI BIOREFINERIES LTD

 **GBL/OEP/Distillery/2020**
Revision No.: 7

Revision date: 12.3.2020 

DOCUMENT RELEASE AUTHORIZATION

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(Ravi.Deshpande)

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(S.U.Godge)

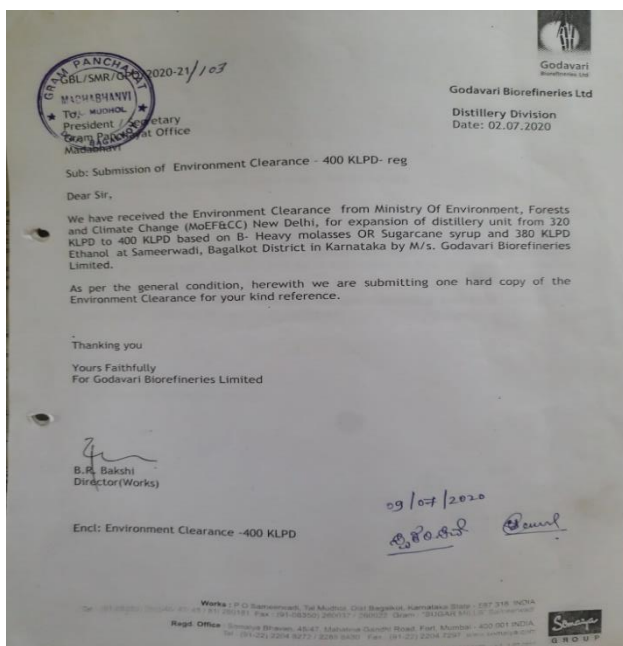
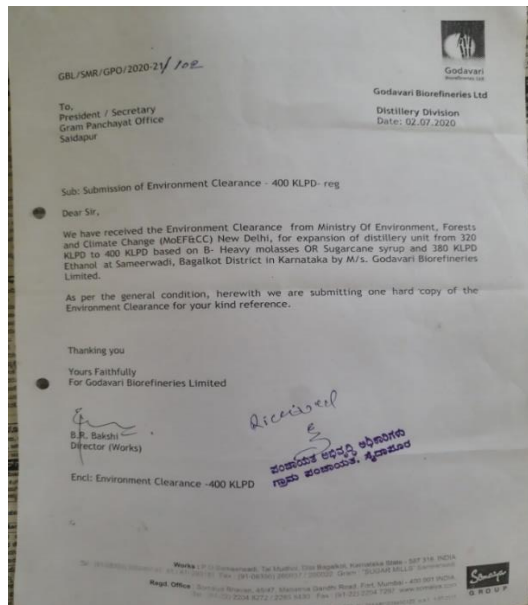
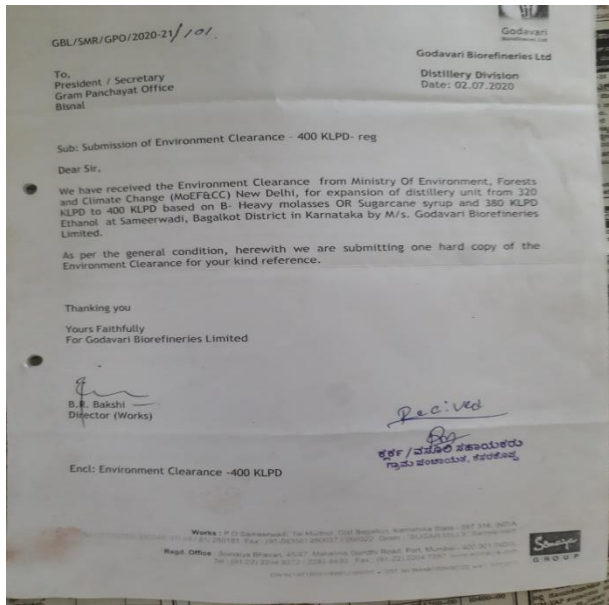
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SAMEERWADI-587316, DIST-BAGALKOT KARNATAKA



EC Accordance Information letter submitted to Gram Panchayats



**Circulation of information of accordance of Environment Clearance in
Vijayavani NewsPaper Dated 18th July 2020**



ಪ್ರಕಟನೆ



ಪರಿಸರ, ಅರಣ್ಯ ಮತ್ತು ಹವಾಮಾನ ಬದಲಾವಣೆ ಸಚಿವಾಲಯ ನ್ಯೂಡೆಲ್ಲಿ, ಇವರು ಈ ಕೆಳಕಂಡ ಸ್ಥಳದಲ್ಲಿ ಈಗಿರುವ ಸಾಂಪ್ರದಾಯಿಕ 320 ಕೆ.ಎಲ್.ಪಿ.ಡಿ. ಸಾಮರ್ಥ್ಯದ ಡಿಸ್ಟಿಲರಿ ಉತ್ಪಾದನೆಯ ಸಾಮರ್ಥ್ಯವನ್ನು ಬಿ-ಹೆವಿ ಮೋಲಾಸ್ ಮತ್ತು ಕಬ್ಬಿನ ರಸವನ್ನು ಬಳಸಿ 400 ಕೆ.ಎಲ್.ಪಿ.ಡಿ. ರೆಕ್ಟಿಫೈಡ್ ಸ್ಪಿರಿಟ್ ಗೆ ಮತ್ತು 293.5 ಕೆ.ಎಲ್.ಪಿ.ಡಿ. ಸಾಮರ್ಥ್ಯದ ಎಥನಾಲ್ ನ್ನು 380 ಕೆ.ಎಲ್.ಪಿ.ಡಿ. ಉತ್ಪಾದನ ಸಾಮರ್ಥ್ಯಕ್ಕೆ ಹೆಚ್ಚಿಸಲು ಪರಿಸರ ವಿಮೋಚನೆಯನ್ನು ನೀಡಿರುತ್ತಾರೆ.

ಗೋದಾವರಿ ಬಯೋರಿಫೈನರೀಸ್ ಲಿ.,
(ಡಿಸ್ಟಿಲರಿ ವಿಭಾಗ) ಸಮೀರವಾಡಿ-587316,
ತಾ: ರಬಕವಿ-ಬನಹಟ್ಟಿ, ಜಿ: ಬಾಗಲಕೋಟೆ, ಕರ್ನಾಟಕ ರಾಜ್ಯ.

ಪರಿಸರ ವಿಮೋಚನೆಯ ನಕಲು ಪ್ರತಿಗಳು SPCB, website of
Ministry at <https://parivesh.nic.in/> ಮತ್ತು
ಗೋದಾವರಿ ಬಯೋರಿಫೈನರೀಸ್ ಲಿ., ನ
Website: www.somaiya.com ನಲ್ಲಿ ನೋಡಬಹುದು.



NOTICE



The Ministry of Environment, Forests and Climate change New Delhi has accorded Environmental Clearance for the Expansion of distillery unit capacity from 320 KLPD 400 KLPD and Ethanol capacity from 293.5 KLPD to 380 KLPD Based on Sugarcane Syrup and B-Heavy Molasses as raw material at

**M/s Godavari Biorefineries Limited
(Distillery Division)
Sameerwadi, Tal: Rabkavi- Banhatti
Dist: Bagalkot, Karnataka state**

The copy of the Environment Clearance is available SPCB, website of Ministry at <https://parivesh.nic.in/> and also at Industry Website, www.somaiya.com

(ಕರ್ನಾಟಕ ಸರ್ಕಾರ)