

PIL MHD/EHS/ 117/EC -20 /2022

01.06.2022

To,
The Member Secretary,
State Level Environmental Impact Assessment Authority,
Environment Dept.
Government of Maharashtra,
15th Floor, New administrative Building,
Mantralaya, Mumbai- 400032

Dear Sir,

Sub:- Six Monthly Compliance report to the condition stated in EC Letter dt. 28.02.2020

Reference: - *SEIAA-EC-0000002138 dt. 28.02.2020*

We have received EC letter No ***SEIAA-EC-0000002138 dt. 28.02.2020*** on 1st March 2020. This supersedes our earlier EC Ref No. SEAC-2012/CR-201/TC -2 dated 31.12.2015. Immediately after receipt of Environmental Clearance in March 2020, COVID19 pandemic has hit the country. It has affected everyone including our business, till now we are observing Ups and Downs in our business due to Pandemic situation. Under these circumstances, the project initiation will be activated only in forthcoming months.

We are herewith submitting our Six monthly compliance Report for the month of Oct 2021 to March 2022 to EC conditions as per EC condition no XXIV.

In this EC compliance report, we herewith submit the Point wise compliance status to the conditions of Environmental Clearance issued vide letter no. ***SEIAA-EC-0000002138 dt. 28.02.2020***.

Kindly acknowledge the receipt of the same

Thanking You
For Pidilite Industries Ltd.



Authorized Signatory

Copy to: -
Regional Office MOEF, Nagpur
Zonal Office, CPCB, Pune
Regional Office, SPCB, Navi Mumbai

Specific Conditions: -

Sr	Conditions Details	Current Status
1	PP proposes to develop 20% green belt within the plot area against 33% mandatory green belt. The rest of 13% green belt is proposed outside the plot area on self-owned land of the PP to comply with mandatory 33% green belt.	Complied - Green Belt Plantation of 20% within the A 22/1, A 21/2 plot area and 13% green belt in self-owned plot S. No. 33/4 is completed. 100 nos trees planted in this area and total 1923 nos trees are planted in the 33% green belt.
2	PP to implement CER plan in the villages as approved by the District Authority.	District collector has approved CER plan and CER expenditure vide his letter dated 02/06/2021. Annexure -1
3	PP to monitor carbon and water footprint on yearly basis by incorporating it in the targets of management System.	Complied - Company has committed for Sustainability Reporting and taken targets for monitoring and reducing carbon and water footprint. Targets for FY 21-22 attached herewith. Annexure – 2
4	PP to provide new and renewable energy source for the illumination of office buildings, streetlight and parking areas.	Complied - 79 Kwh PV Solar panels are installed in plant and it is connected to Grid and being utilized.
5	PP to ensure that CER plan gets approved from Municipal Commissioner/District Collector.	Complied - CER plan is approved by the district collector Annexure -1
6	PP to ensure to comply with the conditions stipulated in the Office Memorandum issued by MoEF& CC dated 9th August, 2018.	Our project could not be initiated due to COVID Pandemic. The applicable requirements would be taken up during execution of project.

General conditions

Sr	Conditions Details	Current Status
I	i)PP to achieve Zero Liquid Discharge; PP shall ensure that there is no increase in the effluent load to CETP.	Initiation of Project work got delayed due to COVID19 Pandemic. We will comply with requirement.
II	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.	No additional land will be acquired or used for project without obtaining proper permission.
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.	Complied - All Necessary Health Safety Measures are in place like pre-employment and periodical Medical examination of all employees, regular safety training, various safety audits, Emergency response plan and periodical rehearsals, hazard identification and control measures, usage of PPE, Safe Operating Procedure, Engg and Admin controls etc.
IV	Proper Housekeeping programmers shall be implemented.	Complied - Housekeeping plan is in place

		for current manufacturing activities. 5S implementation is progress to strengthen it further.
V	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	As and when it occurs – It will be complied.
VI	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).	Not Applicable - DG set is not installed in the Unit. Emergency power is available from adjacent own unit.
VII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Complied - Rainwater harvesting system (Roof top) in place and is being used during monsoon. Permission from MIDC for Recharge to ground water being pursued.
VIII	Arrangement shall be made that effluent and storm water does not get mixed.	Complied - Effluent is transferred through closed pipelines and Storm water drains are kept free from any type of contamination in water.
IX	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.	MIDC – Regional Office has not permitted to drill bores for ground water sampling in the factory plot premises. MMA has submitted a request letter to CEO MIDC for allowing the industries drill bore for sampling, Condition compliance will be done once it is approved by CEO MIDC. Refer the annex 3
X	Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.	Complied - No High noise area / equipment presently, Ear Plug and Earmuffs are available for any accidental noise
XI	The overall noise levels in and around the plant are 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.	Complied. - Pl refer Annex - 4 Noise level monitoring report for August 21.
XII	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	Complied - Green Belt Plantation of 20% within the A 22/1, A 21/2 plot area and 13% green belt in self-owned plot S. No. 33/4 is completed. 100 nos trees planted in this area. Total 1923 nos trees are planted in the 33% green belt.
XIII	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.	Complied - Hydrocarbon Gas Detectors are installed in tank farm, indication in central control room having person round the clock
XIV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	Complied - Pre-employment and periodical medical examination of all workers are carried out regularly.
XV	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Complied - Fire protection systems, Fire hydrant, sprinklers, smoke detectors are provided in the present set up.
XVI	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended).	Complied – Combined CTO for Water Air & Hazardous Waste Authorization is available and valid till 31.07.2022

	Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.	
XVII	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.	Complied - Mock drill schedule is in place. Last Mock drill was held on 26.08.2021 for existing operations. The proposed activity will also be covered under the same. Refer the Annex -5
XVIII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Complied - Environment Management Cell comprising of EHS, Production, QC, R&D is done. Pls Refer the Annex-6
XIX	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These costs shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department	Complied for existing activity in Form V Environmental Statement Submitted to MPCB on 21.09.2021 After completion of project the additional capacity activities will covered in Form V
XX	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in	Complied – Advertisement of EC published in Marathi and English in Ratnagiri Times and Dainik Sagar dt 03 Mar 2020 Pls. Refer Annex - 7
XX1	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1 st June & 1st December of each calendar year.	Complied. Regular submission of compliance status is done on these dates.
XXII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Complied - Copy of EC is sent to Dist Collector. No local NGO or Municipal Corporation has raised any suggestions/representation while processing our Env Clearance. Clearance letter is uploaded on Company Website Pl refer the Annex -8 and 8A
XXIII	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied. The compliance report is periodically uploaded on our website and sent to respective authorities as mentioned. The project initiation is delayed due to COVID Pandemic; hence the Ambient levels of parameters are monitored in the existing set up.

XXIV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Complied - six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) submitted to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
XXV	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent 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 EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Complied - The environmental statement for each financial year ending 31st March 21 in Form-V submitted on date 21.09.21 PI refer the Annex -09
4	The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.	Noted and will strictly ensure commitment to applicable environmental laws.
5	In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	Noted and will strictly ensure commitment to applicable environmental laws.
6	The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	Noted and will strictly ensure commitment to applicable environmental laws.
7	Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.	Noted and will strictly ensure commitment to applicable environmental laws.
8	In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.	Noted and will strictly ensure commitment to applicable environmental laws.
9	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments	Noted and will strictly ensure commitment to applicable environmental laws.

10	Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1stFloor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted and will strictly ensure commitment to applicable environmental laws.
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Annexure- 1

महाराष्ट्र शासन
जिल्हाधिकारी तथा जिल्हादंडाधिकारी कार्यालय, रायगड -अलिबाग
आपत्ती व्यवस्थापन कक्ष, सामान्य शाखा,
हिराकोट तलावाजवळ, अलिबाग जिल्हा रायगड

दुरध्वनी क्रमांक :- 02141-222097/222118/222322 फॅक्स क्र.: 02141-227451/222025
ईमेल: collector_raigad@maharashtra.gov.in / rdcrraigad@gmail.com
क्र.सारा/कार्य-1/ब-5/CER/2021

दिनांक:- 10/05/2021
2/6/21

प्रति,
संचालक,पिडीलाईट इंडस्ट्रिज लि.
महाड जि.रायगड

विषय:- CSR/CER अंतर्गत प्रस्तावित उपक्रमास मान्यता देणेबाबत

संदर्भ:- 1) आपलेकडील पत्र दि.16/09/2019
2) या कार्यालयाकडील समक्रमांकाचे पत्र दि.10/10/2019
3) आपलेकडील पत्र दि.25/05/2021

उपरोक्त संदर्भ क्र.1 कडील पत्रास अनुसरून आपल्या कंपनीकडून CER/CSR उपक्रमांतर्गत रायगड जिल्ह्यात खालीलप्रमाणे उपक्रम प्रस्तावित करण्यात आलेले होते. संदर्भ क्र.2कडील पत्रान्वये या कार्यालयाकडून आपल्या कंपनीच्या CER/CSR निधीमधून खालील नमूद उपक्रम पूर्ण करण्यास अनुमती देण्यात आली होती.

अ.क्र.	भौतिक सुविधा	अंदाजपत्रकीय तरतूद रु.	पूर्ण केलेले उपक्रम	प्रत्यक्षात खर्च केलेली रु.
1	Digital Classroom Facility Audio Video Digital Classrooms at 5 nos Zilla Parishad Schools and Anaganwadi in Raigad District near by our project site.	0.05 Cr	Contribution to District Disaster Response Fund for prevention of spread of Covid 19 Pandemic.	0.25 Cr
2	Important instruments and Machineries for Civil Hospital (ABG Machine/RO water Plant)	0.05 Cr		
3	Infrastructure Support in VSTF Villages (Education Facilities for schools, toilets, livelihoods activity, environmental protection etc.)	0.06 Cr	Contribution to infrastructural arrangements and operating expenses of MMA's DCHC and CCC at Mahad	0.12 Cr
	Total Budget Rs. (In cr)	0.16 Cr	Total Expenditure Rs.	0.37 Cr

पिडीलाईट इंडस्ट्रिज लि.महाड यांनी कोविड19 चा प्रादुर्भाव रोखण्यासाठी जिल्हा आपत्ती प्रतिसाद निधीस रु.२५.००लक्ष निधी उपलब्ध करून दिलेला आहे. व महाड येथील कोविड केअर सेंटरसाठी इन्फ्रास्ट्रक्चर व ऑपरेटिंग खर्चासाठी मॅन्युफॅक्चरिंग असोसिएशनस, महाड यांना रु.१२.५० लक्ष उपलब्ध करून दिलेले आहेत. सदर कंपनीने एकूण रु.३७.५०लक्ष निधी कोविड19चा प्रादुर्भाव रोखण्यासाठी खर्च केला असल्याने सदर निधीस सी.ई.आर.निधी म्हणून मान्यता देण्यात येत आहे.

(निधी चौधरी)
जिल्हाधिकारी रायगड

Annexure- 1 A



From: Tahasildar General (Raigad) <tahasildargadraigad@gmail.com>
Sent: Wednesday, June 2, 2021 3:36 PM
To: Sanjay Prabhakar Ghawghawe <Sanjay.Ghawghawe@Pidilite.com>
Subject: Fax: CamScanner 06-02-2021 15.25.17 - Page 1.pdf

महोदय / महोदया,

कृपया खोबत जोडलेले पत्र पहावे.

तहसीलदार (सर्वसाधारण)
सामान्य शाखा, जिल्हाधिकारी कार्यालय,
रायगड-अलिबाग
दुरध्वनी क्र.०२१४१-२२२११८

Annexure - 2
Sustainability Project Implemented

Sustainability project - 2021-2022

Sr No.	Name of Project	Action Plan to Implement	Status of compliance
1	Rainwater harvesting and usage to reduce freshwater consumption during monsoon	Rooftop collection system is installed. Rain water is being collected and used.	Implemented
2	Recycle of HP Cleaning wash water after 1 st wash.	HP wash water recycle system is installed and being used	Implemented
3	STP water for recycling for Gardening (1200kl/A)	STP is installed. Treated domestic effluent is being used gardening as per consent condition.	Implemented
4	Renewable energy from solar & wind	Solar panels and windmill are installed.	Implemented
5	Usage of RO followed by DM plant for reduction of water consumption by reducing the frequency of DM regeneration	RO+ DM water plant is installed	Implemented
6	Drying of sludge by installation of dryer to reduce Haz waste generation	2 nos. Rotary vacuum dryer are installed in ETP	Implemented
7	Reduction of haz waste generation (nylon filter bags) by installing ETON filters	2 nos. ETON filters are installed	Implemented

EXECUTIVE COMMITTEE

President Emeritus
Mr. Suresh S. Bhonsle
 suresh.bhonsle@gmail.com
 M. 9819830246

President
Mr. S. B. Pathare
 M/s. Privi Organics India Ltd.
 (O) 9167219216

Vice President
Mr. Manoj Sharma
 M/s. Olon India Ltd.
 (O) 661301

Secretary
Mr. Mahesh Purohit
 M/s. Vinati Organics Ltd.
 (O) 7350012841

Jt. Secretary
Mr. Ramesh Malusare
 M/s. Titan Laboratories Ltd.
 (O) 232569

Treasurer
Mr. Sanjay Sawant
 M/s. Odyssey Organics Pvt. Ltd.
 (O) 9766615107

EXECUTIVE MEMBERS

Mr. Ashok Talathi
 M/s. Mars-Chemie Pvt. Ltd.
 (O) 232129

Mr. Rajeev Wadnerkar
 M/s. Aquapharm Chemical Pvt. Ltd.
 (O) 9920060566

Mr. M. S. Tamahankar
 M/s. Embio Ltd.
 (O) 234751

Mr. Sagar Jadhav
 M/s. Pidilite Ind. Ltd.
 (O) 232043

Mr. Sanjay Sapate
 M/s. Laxmi Organic Ind. Ltd.
 (O) 232217

Mr. Dilip Parkhe
 M/s. Aezis Globle Pvt. Ltd.
 (M) 9403367501

CHAIRMAN MARG & EC MEMBER

Mr. Amit Salagare
 M/s. Nouryon Chemicals India
 Pvt. Ltd. (O) 9049008519

CHAIRMAN HR FORUM

Mr. Prashant More
 M/s. Duffon Polymer Ltd.
 (O) 233799

CHAIRMAN CULTURAL COMMITTEE

Mr. Bipin Wadgaonkar
 M/s. Aquapharm Chemical Pvt. Ltd.
 (O) 9028715149

**Mahad Manufacturer's Association**

P-43, MIDC Industrial Area, Mahad, Dist. Raigad Pin 402 309 (Maharashtra)
 ■ Tel. (02145) 232738 ■ email :mma.cetp@mmamahad.com

MMA/Office/2020-21/ 12

Date: 02/07/2020

To,
 The Chief Executive Officer,
 Maharashtra Industrial Development Commission
 Udyog Sarthi, Mumbai

Subject: Request to allow Industries to drill Bores for Ground Water Sample Points within the MIDC plots for Environmental Clearance Conditions Compliance

Dear Sir,

In Mahad Industrial area there are near about 200 industries working. Most of these industries are Chemical and Pharmaceutical Industries. In Mahad industrial area all Member industries and MMA, CETP working hard on protecting the Environment. After looking at our efforts, MMA CETP was awarded with Vasundhara Award in 2017 by Ministry of Environment and MPCB. Also MIDC gave us chance to represent our success story in Envirotech Asia international Conference in 2018.

As per EPA, Environmental Clearance is critical aspect for new industries as well as expansion of existing industries. Industries do obtain the Environmental Clearance before starting of new industry or expansion of existing capacities. It is mandatory on the part of industry to comply with all the conditions mentioned in the Environmental Clearance. One of the standard conditions of Environmental Clearance is "Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board." Few of our member industries have approached the Mahad MIDC office, to get permission for drilling Bores for Sampling of Ground Water. Mahad MIDC Office had replied that as per MIDC Development Control Rules, this office is not permitted to issue such permission to drill bores in factory premises.

Whereas the EC Compliance Inspection authorities from MoEF record it as non-compliance due to non-availability of ground water sample reports. It is a big hurdle for industries for complying with the Environmental Clearance conditions and thus impact new industry and the further addition of capacities.

Industries are already in trouble due to Covid 19 situation and such delays for commissioning of new industries and expansion of the existing industries having adverse impact on economy.

We request you to consider this situation and allow industries to have bores within the MIDC plot area for ground water sampling points as per Environmental Clearance

EXECUTIVE COMMITTEE

President Emeritus
Mr. Suresh S. Bhonsle
suresh.bhonsle@gmail.com
M. 9819830246

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M/s. Odyssey Organics Pvt. Ltd.
(O) 9766615107

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Mr. Binin Wadgaonkar




Mahad Manufacturer's Association

P-43, MIDC Industrial Area, Mahad, Dist. Raigad Pin 402 309 (Maharashtra)
Tel. (02145) 232738 email :mma.ctp@mmamahad.com

condition. Our member industries will give an undertaking to MIDC to use such points only for Ground Water Sampling and not for any other purpose.

Please consider the request positively and issue permission / guideline for allowing the MIDC plot holders to drill bores for Ground Water Sampling purpose in compliance to Environmental Monitoring as per EC conditions.

For Mahad Manufacturer's Association


S. B. Pathare
President

CC-

Dy. CEO (Environment)- MIDC, Mumbai
Chief Engineer- MIDC, Mumbai
Superintendent Engineer – MIDC, Konkan
Executive Engineer- MIDC Mahad

Annexure -4: Ambient noise level report



PAPL
PADMAJA AEROBIOLOGICALS PVT. LTD.
Public Testing Laboratory
Recognized by Ministry of Environment Forest & Climate Change (MoEFCC)
Gazette Notification No. S.O.3744(E) Valid upto : 18.10.2024
ISO 9001 : 2015, ISO 45001:2018 Certified
CIN : U73100MH1995PTC092502
NABL Accreditation Certificate No. TC-5688 Valid upto 31.03.2022.

AIR-F-006

Ref. No. : 352/A-132/03-22

Date: 19/03/2022

Work Order No. : 1600168015 Dated 12/02/2022

Name of the Industry: M/s. Pidilite Industries Ltd.
Plot No.A-21/1,A-22/1 &A-21/2 MIDC Industrial Area,
Mahad, Dist. Raigad - 402 309, Maharashtra

Date of Sampling: 07/03/2022

CERTIFICATE OF ANALYSIS

AMBIENT NOISE LEVEL MEASUREMENTS

Sr. No.	STATION	Noise Level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	Near Main Gate	56.1	59.8
2	Near MBR Plant	58.0	55.3
3	Near Empty Drum Storage Area	57.7	54.1
4	Near Water Pump	57.3	55.6
5	Near Propylene Storage	61.2	57.3
6	Near Punching Office	60.0	53.4
7	Near FO Storage	55.1	52.5
8	Near O2N2 Plant	47.5	46.2

Remark: --

Instrument used: - Kusam-Meco KM 929 MK1 Sr. No. PAPL/LAB/066

Calibration Due date: - 31/08/2022.

Limit: - <75.0 dB (A) - (Day Time)

<70.0 dB (A) - (Night Time)

pse Loh
For Padmaja Aerobiologicals Pvt. Ltd.

Annexure 4 a: workplace noise level report



PAPL

PADMAJA AEROBIOLOGICALS PVT. LTD.
Public Testing Laboratory
Recognised by Ministry of Environment Forest & Climate Change (MoEFCC):
Gazette Notification No. S.O.3744(E) Valid upto : 16.10.2024
ISO 9001 : 2015, ISO 45001:2018 Certified
CIN : U73100MH1995PTC092502
NABL Accreditation Certificate No. TC-5688 Valid upto 31.03.2022.

AIR-F-006

Ref. No. : 351/A-131/03-22

Date: 19/03/2022

Work Order No. -: 1600168015 Dated 12/02/2022

Name of the Industry: M/s. Pidilite Industries Ltd.
Plot No.A-21/1,A-22/1 &A-21/2 MIDC Industrial Area,
Mahad, Dist. Raigad - 402 309, Maharashtra

Date of Sampling: 07/03/2022

CERTIFICATE OF ANALYSIS

WORKPLACE NOISE LEVEL MEASUREMENTS

Sr. No.	STATION	Noise Level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	Hazardous Area (Ground Floor)	62.2	50.8
2	Hazardous Area (1 st Floor)	76.2	55.1
3	Hazardous Area (2 nd Floor)	71.3	58.4
4	Non Hazardous Area (Ground Floor)	73.1	53.0
5	Non Hazardous Area (1 st Floor)	62.5	57.1
6	Non Hazardous Area (2 nd Floor)	63.4	60.8
7	Coal fired Boiler	68.1	66.6
8	DG Area	83.0	52.7

Remark: -- Limit: - < 90.0 dB (A), Limit as per Factories Act 1948,
Maharashtra Factories Rule 1963, Schedule 24.

Instrument used: - Kusam-Meco KM 929 MK1 Sr. No. PAPL/LAB/066
Calibration Due date: - 31/08/2022.

pse l ll
For Padmaja Aerobiologicals Pvt. Ltd.

Annexure - 5

Pidilite EHS Manual	
Mock drill Report	
Format No.: [F][EHS 108][005]	Date: 1 Sep 2017
	Version No: 01
Unit Name:	Pidilite Mahad A 22/1
Date:	21.04.2022
Time:	1800 hrs

BRIEF DETAILS OF THE INCIDENT SIMULATED

VENUE:	Acrylic Acid Storage tanks T - 321
PARTICIPANTS:	<p>Team Leader - Mr N N Dere</p> <p>Fire Fighting Team: - N S Devgirkar, K J Sawant , K S Deshmukh , B T Jadhav, R S Surve and S D Chitalkar , Mr Khamkar(Sec.)</p> <p>Mechanical Coordinator – B T Jadhav</p> <p>Gate Security – Mr Kadam</p> <p>SCBA Set :- V S Kolekar</p> <p>Fire and Safety: - Vilas Attarde</p> <p>Emergency controller – Manish Vyas</p> <p>Site controller: - Suresh Patil</p> <p>Head Count: - S K Sharma/ S D Shirke</p> <p>Causality: - Mr B T Jadhav</p> <p>Panel Operator :- S A Kshirsagar</p> <p>Fire Operator: - S D Chitalkar</p> <p>Male Nurse :- Vaibhav Bhatane</p> <p>Ambulance driver:- Pravin Pawar</p> <p>Production coordinator- Suresh Patil</p> <p>Store and Excise – NA as mock drill is at silent Hrs</p>
INCIDENT DESCRIPTION	Acrylic Acid (T 321) increase of temperature leads to self-polymerization and gas vapor emission from breather valve vent
INCIDENT CONTROLLER	Manish Vyas
SITE CONTROLLER	Suresh Patil

Sequence of operation with time line actions

Sr.	Planned Time Hrs	Action	Action By	Actual Time in Hrs
1	1800 Hrs	Acrylic Acid (T 321) increase of temperature leads to self-polymerization and gas vapor emission from breather valve vent	PFO	1800 Hrs
2	1801 Hrs	PO inform to shift in charge regarding receiving alarm on DCS regarding increase in Acrylic Acid tank temperature leads to self-polymerization	PO	1802 Hrs
3	1803 Hrs	Shift In charge visited at site or from message from PO and assess the situation and informed to Tank farm operator PO started cooling to acrylic acid tank	S-I-C	1804 Hrs
4	1803Hrs	Panel operator declared the emergency by sounding emergency siren 1 min Waxing Waning siren	PO	1804Hrs
5	1804 Hrs	ERT Reports assembly points No 1. Team leader gives them various assignments to response immediately. One person equipped with SCBA , 2 members started foam operation and spread inside dyke wall.	Team Leader	1805 Hrs
6	1806 Hrs	Considering Wind direction shift in charge evacuated the nearby person from Tank Farm, MBR and RO plant and instruct not to operate any electrical switches and evacuate if any person working over there	S-I-C	1806 Hrs
7	1805 Hrs	After receiving the telephonic information & hearing emergency siren, Security informs CDC, SC, all HOD/Section In charge & depute his staff for Fire Fighting.	Sec. Supervisor.	1806 Hrs
8	1806 Hrs	Section Head/ Dept Head assisted in various operation to CDC and SC, if the person is not available responsibility goes to down level	HOD	1807 Hrs
09	1807 Hrs	Arrangement to dump short stop solution and line up all system and wait for CDC decision Deputed one person for LEL monitoring by explosive meter	Team Leader SC	1808 Hrs
10	1807 Hrs	Deputed one person to stop fork lift/ Vehicle movement on main road along with security person	ERT members	1809 Hrs
11	1808 Hrs	CDC reported at ECC and takes stock of situation and all plant personnel to be alert at assembly point no 2 and evacuate for head counting at assembly point no 2	CDC	1810 Hrs
12	1810 Hrs	Site Controller ask Team Leader for Rescue Operation, Site controller and Team leader asses tank temperature decreases by adding short stop solution, check LEL measurement on portable	SC	1811 Hrs

		LEL detector		
13	1810 Hrs	Start external cooling to storage tank T- 321 as a additional precaution and keep other firefighting measures ready	TL	1812 Hrs
14	1811 Hrs	One of the causality develop during attending emergency while making arrangement for firefighting and he fell down and some scratches to his leg	TL/ SC	1813 Hrs
15	1813Hrs	CDC Phones up to ERC [101] for aid i:e Fire Tender , Ambulance, Mahad Municipality Fire Tender. (Mock) If required	CDC	1814Hrs
16	1814 Hrs	Site Controller after seeking consent of CDC decided for Evacuation, He informs PO to Sound evacuation siren and give paging for Evacuation & inform to nearby industries / resident	CDC	1815 Hrs
17	1814 Hrs	All line management/ HOD assist to CDC in various matter and report status of dept head counting including contractors/Visitors, drives, cleaners.	All line management	1815 Hrs
18	1813Hrs	External Aids report to SC and starts working under his & ERT leader guidance.(Not called)	Team Member	NA
19	1813 Hrs	CDC askd Panel operator to monitor LEL level to nearby tank area and report reading showing	All HOD / Sectional Heads.	1816 Hrs
20	1815 Hrs	All HODS give manpower details to Administrative officer / Manager on request for tallying Head counting including contractor workers.	Head Admin	1817 Hrs
21	1817 Hrs	Administrative Officer to gives Head count to CDC and sends the persons to assembly point o 2	SC, ERT, Leader.	1818 Hrs
22	1818 Hrs	Male Nurse from OHC sends message to CDC one causality needs to be shifted to Hospital for further treatment and second one is ok	Male Nurse	1818 Hrs
23	1819 Hrs	Team leader and Site controller concluded tank temperature is stable and sampled for further analysis	Site Controller	1819 Hrs
24	1819 hrs	PO Sounded All clear siren for 1 m for continuous	PO	1819Hrs
25	18220 hrs	CDC, SC and ERT team decided to restored work and no any further harm to plant / machinery and persons working in factory.	CDC/SC	1820 Hrs

Observers: - 1) Scenario Site – Mr. Amy Kale /Vilas Attarde

Abbreviation: ERT – Emergency Response Team.

S-I-C – Shift in charge.

PO- Panel Operator.

SC – Site Controller.

CDC – Chief Disaster Controller.

ECC- Emergency Control Center.

ERC – Emergency Response Center [Fire Station MIDC]

ASSEMBLY POINTS CHECKLIST:

Area Knowledge to all the participants	Yes
People assembled in 5-7 minutes of disaster	Yes (within 3 min)
Attendance Taken	Yes (Matched) not called at assembly point to avoid gathering
Reporting mechanism to the Incident controller for possible evacuation	Yes , Through Siren, Telephone
Siren for all clear	1 min continuous siren for all clear
Time for incidence and time for all clear	19 min
The leadership quality of the personnel designated to control at assembly point	Leadership quality was satisfactory needs further improvement

EMERGENCY SQUAD:

Equipment resource	Required resources Fire Hydrant , Fire Extinguishers , Foam trolley and PPE
Equipment Operation, fire extinguisher, Hydrants opening, goggles, fire suites etc.	Yes performed during the drill
Time of arrival at site:	1804 hrs
Time for controlling emergency	19 min
Time taken to controlling emergency	Satisfactory ,improvement points are discussed during review meeting
Evacuation process knowledge of the team. Satisfactory, Unsatisfactory	Always scope for improvements

FACILITY EVALUATION:

Fire Extinguishers work ability and appropriateness	Yes , all fire extinguishers are healthy and working position
Hydrants working, Jet power, hose pipe fitting etc.	Working conditions, foam trolley operated, , Other PPE like SBA , Fire suit working conditions
Emergency Control room equipment's facility adequate or not adequate as per OEP	Emergency control room facility is adequate like site map, telephone number, telephone line, On Site emergency plan.
Medical Facilities like CPR , first aid and Oxygen cylinder etc.	Occupational center is kept open by security to receive any causality developed at site

Good Observation: -

1. Emergency site continuous monitored by LEL meter during mock drill

2. Foam operation performed

3. Response from team was satisfactory in silent Hrs

RECOMMENDATIONS FOR THE IMPROVEMENTS IN THE OEP OR MANAGEMENT ACTION

Shortcoming / Gap Observed	Action Plan	Responsibility	Target Date
Tank sprinkler 4 nozzles observed chocked	To be clean immediately and prepared schedule	VMA	30.05.2022
Some scrap lying front of Sprinkler valve	To be removed and keep always accessible	SVG	Immediate
Knowledge of inhibitor and monitoring criteria is missing	material wise inhibitor name and level training/ awareness is to be brought	SSP	15.05.2022
Evacuation and Head counting needs improvement	Training and awareness and communication to all dept person	HOD	15.05.2022

Incident Controller :

Emergency Controller

NAME: Suresh Patil

NAME: - Manish Vyas

Prepared By :- Vilas Attarde

Few Photographs of Mock drill

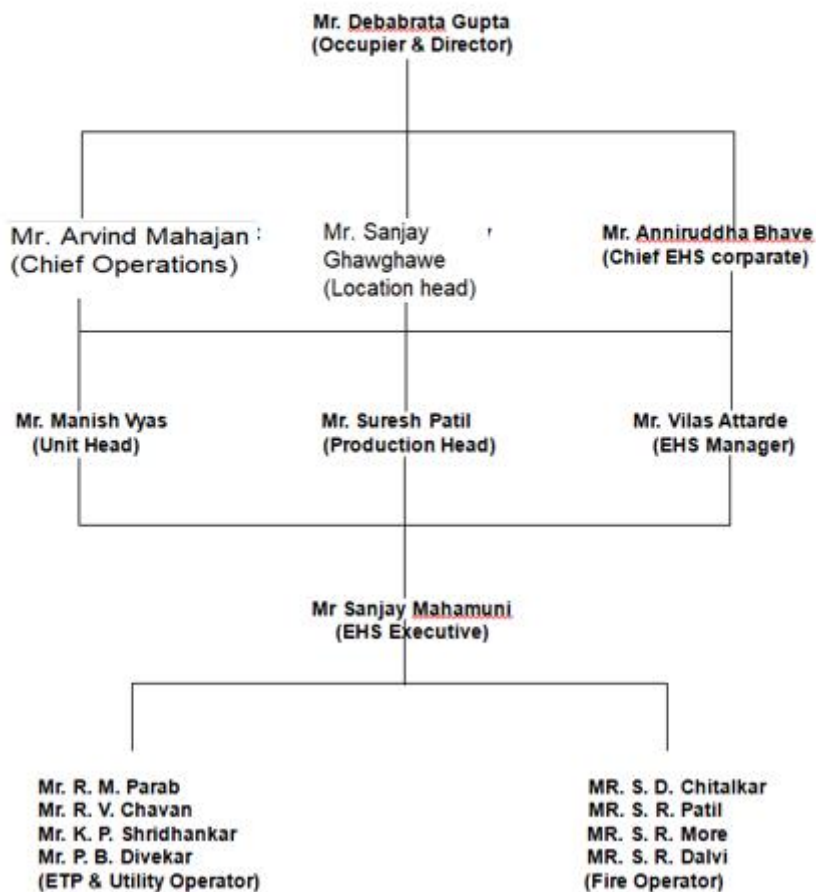


Prepared By:- Vilas Attarde- EHS Dept.

Annexure-6

Pidilite A 22/1

Environmental Management Cell



Annexure -7
Advertisement

The image shows a newspaper clipping from 'Ratnagiri'. A yellow sticker with the word 'रायगड' (Raigad) is placed on the masthead. Below the masthead, there is a line of text listing locations: '• रत्नागिरी • सिंधुदुर्ग • रायगड • मुंबई • कोल्हापूर'. To the right, it says 'मंगळवार दि. ३ मार्च २०२०' (Mangalwar di. 3 March 2020) and '• पृष्ठ १०' (Page 10). Below this, there is a headline in Marathi: 'ए लीहोने गयाराइक' (A Lihone Gayaraike) and 'मालाश्राव' (Mala Shraav). A public notice is pasted on the newspaper, which reads:

**TO WHOMSOEVER IT MAY CONCERN
ENVIRONMENTAL CLEARANCE**
we, Pidilite Industries Limited are pleased to inform that the Environment Department, Government of Maharashtra, has accorded Environmental Clearance (reference no: SEIAA-EC-0000002138 dated 28 th February 2020) for expansion project for manufacturing of Polymers at Plot No.A- 22/1 & A-21/2, Mahad MIDC, Dist Raigad, Maharashtra. Total production capacity of products will be 66000 MTPA. The Environmental Clearance letter is available with the MPCB and may also be seen at web site at <http://www.ecmpcb.in/>.

पोहोचला कोरोना
रात तीन रुग्ण

महाराष्ट्र परराज्यातून आलेल्या कोरोना
रात तीन रुग्ण पोहोचला आहे.
महाराष्ट्र परराज्यातून आलेल्या कोरोना
रात तीन रुग्ण पोहोचला आहे.
महाराष्ट्र परराज्यातून आलेल्या कोरोना
रात तीन रुग्ण पोहोचला आहे.

दैनिक

सागर

राय
Rail

for news: dailysagar@gmail.com for ads: dailysagaradvt@gmail.com

रत्नागिरी, सिंधुदुर्ग, रायगड, ठाणे, मुंबईसह पाच स्वतंत्र आवृत्त्या

मंगळवार दिनांक ३ मार्च २०२०

I RNI Regi. No. MAH/MAR/2008/24817 I Postal Regi. No. RTR/006/2018-20 I संस्थापक

पंतप्रधान कार्यालयातील

पर्यावरण विषयक परवानगी

आम्ही लिडिलॉईट इन्डस्ट्रीज लिमिटेड समाना कळवू इच्छितो
की आमच्या कारखान्याचा वसा
प्लॉट नं. २२/१ आणि २१/१, महाड एम.आय.डि.सी.
जिल्हा-रायगड, महाराष्ट्र असून प्रस्तावित पॉलीमर्स उत्पादन वावीच्या
प्रकल्पाच्या प्रस्तावाना (एकूण उत्पादने ६६००० टन प्रतिवर्ष, सर्वसं
SEIAA-EC-0000002138 दि.२६ फेब्रुवारी २०२०)
पर्यावरण विषयक मंजुरी पर्यावरण विभाग महाराष्ट्र शासन ने दिली
आहे. ह्याची प्रत महाराष्ट्र प्रदूषण नियंत्रण मंडळाकडे मिळू शकेल
त्याचप्रमाणे इंटरनेटच्या संकेतस्थळ
<http://www.ecmpcb.in/> वर पाहता येईल.

महाराष्ट्र शासन
पर्यावरण विभाग
महाराष्ट्र शासन
पर्यावरण विभाग
महाराष्ट्र शासन
पर्यावरण विभाग

Annexure -8



PIL/MHD/EHS/70 A /EC/ 2020

15.03.2020

To

Grampanchayat Kamble Village

Tal. Mahad

Dist. Raigad- 402309

Kind Attn:- Sarganch/ Gram sevak

Dear Sir

We hereby inform to you that our company m/s Pidilite Industries Limited, Mahad received EC from SEAC, copy of the same is attached herewith for your necessary record and reference

Thanking You

For Pidilite Industries Limited (Plot A22/1) Mahad


Unit Head


Agent
20/03/2020

Regd. Office
Regent Chambers, 7th Floor,
Jammalal Bajaj Marg,
206 Nariman Point, Mumbai 400 021.
www.pidilite.com

Corporate Office
Ramkrishna Mandir Road,
Andheri (E), Mumbai 400059, India
T + 91 22 2835 7000
F + 91 22 2836 4565 / 2821 6007

Pidilite Industries Limited
Works
Plot No. A-21 & 22/1, M.S.D.C.,
Mahad 402 309, Raigad, Maharashtra.
T + 91 02145 232043-46
F + 91 02145 231264 / 232048
CIN: L24100MH1969PLC014336

Annexure 8A

Compliance - Pidilite - Industrial

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pidiliteindustrialproducts.com/responsible-care/compliance/


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> Annual-Report-2016-17

> Mahad A22 Environment Statement 2019-2020

> Mahad A-22 EC Clearance Letter dtd 28 Feb 2020

> Environment Statement 2018-2019

> Mahad A 22 Env't Statement FY 18 19

> Mahad C 58 EC Compliance for July to Dec 18 Ack from SEIAA Mantralaya

> Mahad C 58 Env Statement Form 5 for 2018

> C 58 EC Compliance Status Jan 2019

> EC Letter C 58

> Environmental Statement Form V for 2017-18 C 58

> Pidilite Mahad Environment Statement 20-21

> Pidilite Mahad 4th EC Compliance Apr 21 - Sept 21

Annexure -9 Evt. Statement



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2021

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000036055

Submitted Date

21-09-2021

PART A

Company Information

Company Name

Pidilite Industries Limited

Application UAN number

Pidilite Industries Limited

Address

Plot no A 21/1, A21/2, and A22/1 MIDC Mahad ,
Tal-Mahad, Dist-Raigad

Plot no

Plot no A 21/1, A21/2, and A22/1

Taluka

Mahad

Village

Kamble turphe Birwadi

Capital Investment (In lakhs)

210.6876

Scale

Large

City

Mahad

Pincode

402309

Person Name

Mr Manish M Vyas

Designation

Factory Manager

Telephone Number

02145232045

Fax Number

02145232048

Email

manish.vyas @pidilite.com

Region

SRO-Mahad

Industry Category

Red

Industry Type

other

Last Environmental statement submitted online

yes

Consent Number

Format 1.0/CAC/UAN No.
0000093023/CR-2009000192

Consent Issue Date

04/09/2020

Consent Valid Upto

31/07/2021

Establishment Year

1996

Date of last environment statement submitted

Sep 15 2020 12:00:00:000AM

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

Product Information

Product Name

Vinyl Acetate Monomer

Consent Quantity

2703

Actual Quantity

0

UOM

MT/A

Allyl Alcohol

900

0

Isopropyl acetate

900

0

n-Propyl acetate

900

0

Di iso propyl ether

450

0

Isopropanol

450

0

Oxygen

593

0

Soft PVC film	8640	0	MT/A
Nitrogen	102	0	
Polymer based on Vinyl Acetate Monomer , Acrylate Styrene, Ethylene Monomers and Adhesive based on PVA	41100	35768.00	MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
NA	0	0	

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	317	76.877
Domestic	549	75.6
All others	28	21.42
Total	40	11.44
	934	185.33

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	167.5	27.02	CMD
Domestic Effluent	25	13	CMD

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

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Polymer based on vinyl Acetate Monomer , Acrylate,Styrene,Ethylene Monomers and adhesive based on PVA	0.51	0.505	Ton/Ton

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

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Ethylene	0	0	Ton/Ton
Acetic acid for IPAC	0.0	0.0	Ton/Ton
Propylene for IPAC/IPA/DIPE	0.0	0.0	Ton/Ton
Oxygen	0	0	Ton/Ton
DOP	0.0	0	Ton/Ton
PVC resins	0.0	0	Ton/Ton
Caco3	0.0	0	Ton/Ton
DI basic phatahalate	0.0	0	Ton/Ton
lead stearate	0.0	0	Ton/Ton
Pigments	0.0	0	Ton/Ton
IPA for DIPE	0.0	0.0	Ton/Ton
DM water	0.51	0.505	Ton/Ton

Monomers	0.443	0.42	Ton/Ton
catalyst & additives	0.086	0.085	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	11648	1108.93	MT/A
FO	1274	50.972	MT/A
HSD	364	28.487	KL/A

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged (Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
pH	0	7.61	0	5.5 to 9.0	No variation
Oil & Grease	0.03	1.15	0	10	No variation
BOD	0.755	29.14	0	100	No variation
TDS	32.41	1250	0	2100	No variation
Suspended solids	0.207	8.0	0	100	No variation
COD	2.63	102	0	250	No variation
CLORIDES	10.37	399	0	600	No variation
Sulphate	7.00	270	0	1000	No variation
TAN	0.32	12.72	0	50	No variation

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged (Mg/NM3)	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
SO2-TFH/Coal Fired Boiler Stack	19.6	0	0	320	No variation
TPM-TFH/Coal Fired Boiler Stack	0	92.43	0	150	No variation
SO2-DG STACK	0.68	0	0	1	No variation
TPM-DG STACK	0	60.6	0	150	No variation

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	200	257	Ltr/A
5.2 Wastes or residues containing oil	0	0.00299	Kg/Annum

23.1 Wastes or residues (not made with vegetable or animal materials)	125.04	96.8	MT/A
23.1 Wastes or residues (not made with vegetable or animal materials)	6.64	6.2	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	4838	4810	Nos./Y
1.2 Tarry residues and still bottoms from distillation	0	0	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
35.3 Chemical sludge from waste water treatment	34.66	36.52	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Waste paper, damaged pallets, Sweeping material	39	31.075	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Coal Ash	67	68.86	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	Kg
0	0	0	Kg

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

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
1.2 Tarry residues and still bottoms from distillation	0	MT/A	-
5.1 Used or spent oil	257	Ltr/A	Sale to Authorized party/ Recycler/ CHWTSDF
5.2 Wastes or residues containing oil	0.00299	Kg/Annum	CHWTSDF
23.1 Wastes or residues (not made with vegetable or animal materials)	96.8	MT/A	Sale to authorized party/pre processor/coprocessor/CHWTSDF
23.1 Wastes or residues (not made with vegetable or animal materials)	6.2	MT/A	Sale to authorized party/pre processor/coprocessor/CHWTSDF
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	4810	Nos./Y	Sale to Authorized party/ Recycler/ CHWTSDF
35.3 Chemical sludge from waste water treatment	36.52	MT/A	Sale to authorized party/pre processor/coprocessor/CHWTSDF

2) Solid Waste**Type of Solid Waste Generated**

Coal ash	68.86	MT/A	Concentration of Solid Waste
Waste paper, damaged pallets, Sweeping material	31.075	MT/A	Sale to cement /brick manufacturer sale

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

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
Rain water harvesting	27.26	0	0	0	0	0
Solar power	0	0	0	1000590	0	0

Part-H**Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.****[A] Investment made during the period of Environmental Statement****Detail of measures for Environmental Protection****Environmental Protection Measures****Capital Investment (Lacks)**

Provision of standby Rotary vacuum dryer	Reduction of hazardous waste	18
Procurement of MBR UF membrane	For efficient effluent treatment	7
Reuse of HP water of reactors for HP cleaning	Reduction of fresh water consumption	0.3
Installation of mono block pumps for raw effluent transfer	For efficient effluent treatment	1
Installation of coarse and fine filters	Reduction of hazardous waste	16.9

[B] Investment Proposed for next Year**Detail of measures for Environmental Protection****Environmental Protection Measures****Capital Investment (Lacks)**

Upgradation of Effluent treatment plant	Quality improvement of outlet treated effluent	56
Rain water harvesting from roof top of BSR 5	Reduction of fresh water consumption	8

Part-I**Any other particulars for improving the quality of the environment.****Particulars**

1. Number of trees survived as on 31st March 2021 - 1923 2. Number of trees planted by September 2021-350

Name & Designation

Mr. Manish M. Vyas

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000036055

Submitted On:

21-09-2021