

PIL MHD/EHS/123/EC -20 /2023

08.05.2023

To,  
The Member Secretary,  
State Level Environmental Impact Assessment Authority,  
Environment Dept.  
Government of Maharashtra,  
15<sup>th</sup> 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 1<sup>st</sup> 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 October 22 to March23 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. <b>Annexure -1</b>
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 22-23 attached herewith. <b>Annexure – 2</b>
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 <b>Annexure -1</b>
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.	<b>MIDC – Regional Office has not permitted to drill bores for ground water sampling</b> 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 CEO MIDC approves it. <b>Refer the annex 3</b>
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 <b>refer Annex - 4</b> Noise level monitoring report for March 2023
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 31.12.2022

	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 13.02.2023 for existing operations. The proposed activity will also be covered under the same. <b>Refer the Annex -5</b>
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 <b>Refer the Annex-6</b>
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 23.09.2022 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 <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a>	Complied – Advertisement of EC published in Marathi and English in Ratnagiri Times and Dainik Sagar dt 03 Mar 2020 Pls. <b>Refer Annex - 7</b>
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 <sup>st</sup> 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 <b>Pl refer the Annex -8 and 8A</b>
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 <sub>2</sub> , NO <sub>x</sub> (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 23.09.22 PI refer the <b>Annex -09</b>
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: Fwd: 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 - 2022-2023

Sr No.	Name of Project	Action Plan to Implement	Status of compliance
1	Energy Saving	Replacement of pumps & motors with energy efficient equipment	Implemented
2	Elimination steam for Hot water generation	Heat pump	Implemented
3	Purchase of surfactants in Tankers vs Barrels (WA 40 and LX 28 RL)	Installation of storage tank	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

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**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

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suresh.bhonsle@gmail.com  
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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  
 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-5088 Valid upto 31.12.2023

**AIR-F-006**

Ref. No. : 974/A-376/03-23

Date: 27/03/2023

Work Order No. :- --

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: 20/03/2023

## CERTIFICATE OF ANALYSIS

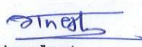
### AMBIENT NOISE LEVEL MEASUREMENTS

Sr. No.	STATION	Noise Level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	Near Main Gate	61.3	59.5
2	Near MBR Plant	67.6	54.5
3	Near Empty Drum Storage Area	60.2	52.2
4	Near Water Pump	66.9	55.6
5	Near Propylene Storage	60.5	59.4
6	Near Punching Office	63.4	51.7
7	Near FO Storage	62.6	55.1
8	Near O <sub>2</sub> N <sub>2</sub> Plant	52.3	52.0

**Remark: --**

Instrument used: - Kusam-Meco KM 929 MK1 Sr. No. PAPL/LAB/071  
 Instrument Calibration Due date: -28/10/2023.

Limit: - <75.0 dB (A) - (Day Time)  
 <70.0 dB (A) - (Night Time)

  
 Analyst

  
 Reviewed by

  
 Authorized Signatory

----- End of test report -----

## Annexure 4 a: workplace noise level report



# PAPL

PADMAJAAEROBIOLOGICALS 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-5088 Valid upto 31.12.2023

AIR-F-006

Ref. No. : 975/A-377/03-23

Date: 27/03/2023

Work Order No. :-

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

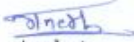
Date of Sampling: 20/03/2023

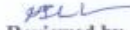
### CERTIFICATE OF ANALYSIS

#### 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)	77.4	52.8
2	Hazardous Area (1 <sup>st</sup> Floor)	72.9	56.3
3	Hazardous Area (2 <sup>nd</sup> Floor)	73.3	55.4
4	Non Hazardous Area (Ground Floor)	67.1	56.0
5	Non Hazardous Area (1 <sup>st</sup> Floor)	68.4	60.1
6	Non Hazardous Area (2 <sup>nd</sup> Floor)	64.3	58.8
7	Coal fired Boiler	69.3	66.9
8	DG Area	81.6	54.5

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/071  
Instrument Calibration Due date: -28/10/2023.

  
Analyst

  
Reviewed by

  
Authorized Signatory

----- End of test report -----

## 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:	13.02.2023	
Time:	1600 hrs	

**BRIEF DETAILS OF THE INCIDENT SIMULATED**

VENUE:	Acrylic Acid Storage tanks T - 321
PARTICIPANTS:	<p><b>Team Leader</b> - Mr H R Pawar</p> <p><b>Fire Fighting Team:</b> - N S Pardhi, M M Deshmukh, V J Vadke, V K Kadam, Subhash, Sathle, V C Shinde</p> <p><b>Mechanical Coordinator</b> – B T Jadhav</p> <p><b>Gate Security</b> – Mr Mahadik</p> <p><b>SCBA/3M Full face mask :-</b> V K Kadam</p> <p><b>Fire and Safety:</b> - Vilas Attarde/U N Dhamnse</p> <p><b>Emergency controller</b> – Suresh Patil</p> <p><b>Site controller:</b> - V G Davate</p> <p><b>Head Count:</b> - Umesh Pimparkar</p> <p><b>Causality:</b> - Mr V J Vadke</p> <p><b>Panel Operator :-</b> R B Kadam</p> <p><b>Fire Operator:</b> - S R More</p> <p><b>Male Nurse :-</b> Rushikesh Gite</p> <p><b>Ambulance driver:-</b> Dipak Pawar</p> <p><b>Production coordinator-</b> M D Gulumkar</p> <p><b>Store and Excise</b> – P G Deshmukh</p>
INCIDENT DESCRIPTION	Acrylic Acid (T 321) increase of temperature leads to self-

	polymerization and gas vapor emission from breather valve vent
INCIDENT CONTROLLER	Suresh Patil
SITE CONTROLLER	V G Davate

### Sequence of operation with time line actions

Sr.	Planned Time Hrs	Action	Action By	Actual Time in Hrs
1	1600 Hrs	Acrylic Acid (T 321) increase of temperature leads to self-polymerization and gas vapor emission from breather valve vent	PFO	1600 Hrs
2	1601 Hrs	PO inform to shift in charge regarding receiving alarm on DCS regarding increase in Acrylic Acid tank temperature leads to self-polymerization	PO	1602 Hrs
3	1603 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	1604 Hrs
4	1603Hrs	Panel operator declared the emergency by sounding emergency siren 1 min Waxing Waning siren	PO	1604Hrs
5	1604 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	1605 Hrs
6	1606 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	1606 Hrs
7	1605 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.	1606 Hrs
8	1606 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	1607 Hrs
09	1607 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	1608 Hrs
10	1607 Hrs	Deputed one person to stop fork lift/ Vehicle movement on main road along with security person	ERT members	1609 Hrs

11	1608 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	1610 Hrs
12	1610 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 LEL detector	SC	1611 Hrs
13	1610 Hrs	Start external cooling to storage tank T- 321 as a additional precaution and keep other firefighting measures ready	TL	1612 Hrs
14	1611 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	1613 Hrs
15	1613Hrs	CDC Phones up to ERC [101] for aid i:e Fire Tender , Ambulance, Mahad Municipality Fire Tender. (Mock) If required	CDC	1614Hrs
16	1614 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	1615 Hrs
17	1614 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 managem ent	1615 Hrs
18	1613Hrs	External Aids report to SC and starts working under his & ERT leader guidance.(Not called)	Team Member	NA
19	1613 Hrs	CDC askd Panel operator to monitor LEL level to nearby tank area and report reading showing	All HOD / Sectional Heads.	1616 Hrs
20	1615 Hrs	All HODS give manpower details to Administrative officer / Manager on request for tallying Head counting including contractor workers.	Head Admin	1617 Hrs
21	1617 Hrs	Administrative Officer to gives Head count to CDC and sends the persons to assembly point o 2	SC, ERT, Leader.	1618 Hrs
22	1618 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	1618 Hrs
23	1619 Hrs	Team leader and Site controller concluded tank temperature is stable and sampled for further analysis	Site Controller	1619 Hrs

24	1619 hrs	PO Sounded All clear siren for 1 m for continuous	PO	1619Hrs
25	1620 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	1620 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)Area monitored by LEL meter throughout the drill
- 2)Checked nearby area person evacuated

**RECOMMENDATIONS FOR THE IMPROVEMENTS IN THE OEP OR MANAGEMENT ACTION**

Shortcoming / Gap Observed	Action Plan	Responsibility	Target Date
Tanker unloading top sprinkler one nozzle observed blocked	To be clean for any blockage	VMA	Completed
Dyke wall outlet valve is to be made smooth operation point of view	Maintenance and regular on off is to be done	SSP/SVG	Completed
Ambulance position	Ambulance is to be positioned towards gate	VMA	Completed

**Incident Controller :**

**Emergency Controller**

**NAME: V G Davate**

**NAME: - Suresh Patil**

**Prepared By :- Vilas Attarde**

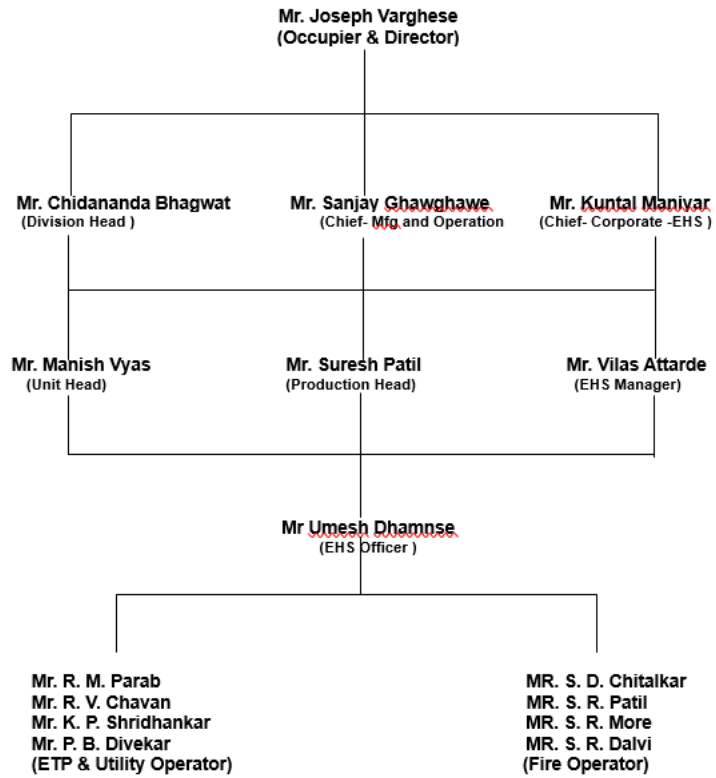
**Few Photographs of Mock drill site**



## Annexure-6

### Pidilite A 22/1

#### Environmental Management Cell



Annexure -7  
Advertisement



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  
राजधानी दिल्लीपर्यंत पोहोचला आहे.  
ही माहिती दिल्ली-दिल्लीबरोबरच तेलंगणा  
ला बोधना कोरोनाची लागण झाल्याचे  
त्या व्यक्तीला कोरोनाची लागण झाल्याचे  
बटलीतून आल्याचे सांगितले जात आहे.  
आली आहे. या पूर्वी केरळमध्ये कोरोना  
कल्याचे वृत्त यापूर्वीच प्रसिद्ध झाले होते.

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 वृत्त  
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

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 Search

 Need Help?

### Compliance Document:

- > Mahad A22 EC Compliance April 22 to Sep 2022
- > Mahad A22 EC Compliance Oct 21 to March 2022
- > Annual-Report-2018-19
- > Annual-Report-2017-18
- > Annual-Report-2016-17
- > Mahad A-22 EC Clearance Letter dtd 28 Feb 2020
- > Environment Statement 2021-2022
- > 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 2022

**Unique Application Number**

MPCB-ENVIRONMENT\_STATEMENT-0000046858

**Submitted Date**

23-09-2022

**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)**

228.29

**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. MPCB-  
CONSENT-0000115245/CR-2112001526**Consent Issue Date**

2021-12-27

**Consent Valid Upto**

2022-07-31

**Establishment Year**

1996

**Date of last environment  
statement submitted**

Sep 21 2021 12:00:00:000AM

**Industry Category Primary (STC  
Code) & Secondary (STC Code)**Product Information**Product Name**Polymer based on Vinyl Acetate Monomer , Acrylate Styrene, Ethylene Monomers and  
Adhesive based on PVA**Consent Quantity Actual Quantity UOM**

41100 38965.921 MT/A

By-product Information**By Product Name**

NA

**Consent Quantity**

0

**Actual Quantity**

0

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



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

<b>Water Consumption for Process</b>	<b>Consent Quantity in m3/day</b>	<b>Actual Quantity in m3/day</b>
	110.00	103.20
<b>Cooling</b>	132.00	114.00
<b>Domestic</b>	28.00	23.13
<b>All others</b>	40.00	4.81
<b>Total</b>	310.00	245.14

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

<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Trade Effluent	51.5	28.38	CMD
Domestic Effluent	25	4.95	CMD

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

<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Polymer based on vinyl Acetate Monomer , Acrylate,Styrene,Ethylene Monomers and adhesive based on PVA	0.505	0.527	Ton/Ton

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

<b>Name of Raw Materials</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
DM water	0.505	0.527	Ton/Ton
Monomers	0.42	0.43	Ton/Ton
catalyst & additives	0.085	0.053	Ton/Ton

**4) Fuel Consumption**

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Coal	2919.97	1315.94	MT/A
FO	1277.5	13.15	MT/A
HSD	1822.08	47.59	MT/A

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

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
pH	0	7.06	0	5.5 to 9.0	No variation
Oil & Grease	0.02	1	0	10	No variation
BOD	1.21	42.66	0	100	No variation
TDS	37.66	1327.25	0	2100	No variation
Suspended solids	0.205	7.25	0	100	No variation
COD	4.10	144.58	0	250	No variation

CHLORIDES	12.58	443.58	0	600	No variation
Sulphate	8.49	299.33	0	1000	No variation
TAN	0.89	31.5	0	50	No variation

**(B) Air (Stack)**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (KL/day)</b>	<b>Concentration of Pollutants discharged(Mg/NM3)</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
SO <sub>2</sub> -TFH/Steam generator	23.75	0	0	80	No variation
PM-TFH/Steam generator	0	109.175	0	150	No variation
SO <sub>2</sub> -DG STACK	0.58	0	0	315	No variation
PM-DG STACK	0	56.9	0	150	No variation

**Part-D**

**HAZARDOUS WASTES**

**1) From Process**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
5.1 Used or spent oil	257	630	Ltr/A
5.2 Wastes or residues containing oil	0.00299	0.002	MT/A
23.1 Wastes or residues (not made with vegetable or animal materials)	96.8	147.34	MT/A
23.1 Wastes or residues (not made with vegetable or animal materials)	6.2	5.898	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	4810	6647	Nos./Y

**2) From Pollution Control Facilities**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
35.3 Chemical sludge from waste water treatment	36.52	35.44	MT/A

**Part-E**

**SOLID WASTES**

**1) From Process**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
Waste paper, damaged pallets, Sweeping material	31.075	56.76	MT/A

**2) From Pollution Control Facilities**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
Coal Ash	68.86	71	MT/A

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

<b>Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
0	0	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
5.1 Used or spent oil	655	Ltr/A	Sale to Authorized party/CHWTSDF
5.2 Wastes or residues containing oil	0.002	MT/A	CHWTSDF
23.1 Wastes or residues (not made with vegetable or animal materials)	165.51	MT/A	Sale to authorized party/pre processor/CHWTSDF
23.1 Wastes or residues (not made with vegetable or animal materials)	6.36	MT/A	Sale to authorized party/pre processor/CHWTSDF
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	6854	Nos./Y	Sale to Authorized party/ CHWTSDF
35.3 Chemical sludge from waste water treatment	39.7	MT/A	Sale to authorized party/pre processor/CHWTSDF

### 2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Coal/Fly ash	71	MT/A	Sale to cement /brick manufacturer
Waste paper, damaged pallets, Sweeping material	56.76	MT/A	sale to scrap merchant/vendor

## 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 (MJ/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	48.29	0	0	0	5.3	0
Solar power	0	0	0	858840	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 (Lacs)
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

(B) Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacs)
Installation of Briquette fired boiler	Sustainable development initiative to replace coal fired boiler by briquets	140

Installation of surfactant above ground storage tanks	Reduction in Hazardous waste (CONTAMINATED DRUMS)	140.23
Provision of 120 mesh ETOM filters in R- 114 and R101.	Reduction of hazardous waste (Filter bags)	19.04
wash water recycle for Styrene Acrylate stream	Reduction in effluent discharge & haz waste generation	6
Energy efficient motor replacement	Reduction of natural resources	13.82

#### Part-I

Any other particulars for improving the quality of the environment.

#### Particulars

1. Number of trees survived as on 31st March 2022 - 2100 2. Number of trees planted by September 2022- 100

#### Name & Designation

Mr. Manish M. Vyas

#### UAN No:

NPCB-ENVIRONMENT\_STATEMENT-0000046858

#### Submitted On:

23-09-2022

