

Date: 06/02/19

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

Sub: - Six Monthly Compliance report to the conditions stated in EC letter dated on 03 December.2016 with letter reference no. EC SEIAA-Item No.74,Meeting No.103.

Ref: EC SEIAA-Item No.74,Meeting No.103. Dated 3rd December 2016.

Respected Sir,

Our project was considered in 127th SEAC-I meeting, Item No. 3 for Proposed increase in production capacity (expansion) of synthetic organic chemicals manufacturing facility by Pidilite Industries limited at Plot No. C-58, MIDC Mahad, Tahsil Mahad, Dist Raigad. And issued Environment clearance vide EC letter EC SEIAA-Item No.74,Meeting No.103. Dated 3rd December 2016.

We have implemented the suggestions as per EC conditions and have received CTO No. Format 1.0/BO/AST/UANNO.0000028210/O/CC-1710000670 dated 17.10.2017 ON Commissioning of the project.

As per Ec condition No.23, We are here with submitting our Fourth six monthly report for EC conditions compliances.

| Sr No | General Conditions | Compliance Status |
|-------|--|--|
| 1 | The project will not generate any process effluents; however effluent from vessel washings, cooling tower blow down, shall be treated suitably to achieve a zero liquid discharge process. | We are maintaining Zero liquid discharge. Generated process effluent used as total recycled Annexure I-ETP Flow daigram |
| 2 | The project proponent to take precaution for the health and safety of the working people in the unit and also for protecting environment. | We are ISO 14001 and OSHAS 18001 certified company, working in factory as per EHS management policies. Like safety work permits, Hazop studies recommendations implemented, Job safety analysis, Induction training. |
| 3 | No additional land shall be used/acquired for any activity of the project without obtaining proper permission. | No additional land used/acquired. |
| 4 | For controlling fugative natural dust, regular sprinkling of water and wind shields at appropriate distance. | We have constructed roads for vehicles movements within factory premises. Water is being sprayed on open tank area. CIN : L24100MH1999PLA0014396 |

Pidilite Industries Limited

Regd. Office
Regent Chambers, 7th Floor,
Jannalal Bajaj Marg,
208 Nariman Point, Mumbai 400 021.

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Works
Plot No. C-59, M.ID.C,
Mahad 402 309, Raigad, Maharashtra.
T + 9102145 232929
Tel. : 9422247373 / 9422246717



| | | |
|----|--|---|
| | | roads.Plant entries and exits are having PVE curtains. |
| 5 | Proper house keeping shall be maintained. | Proper housekeeping is maintained at our site as per work instruction no.C58/WI/HK/01 |
| 6 | In the event of the failure of any pollution control system adopted by the unit, unit shall be immediately put out operation and shall not be restarted until the desired efficiency has been achieve. | There was no such event reported till date. In the event of failure of Pollution control system the respective unit will be stopped and it will not be started until the desired efficiency has been achieve. |
| 7 | A stack of adequate height based on DG set capacity shall be provided. | DG set of 500 KVA is provided with 3.5* meter (Above the roof) stack height. |
| 8 | Rain water harvesting system installation. | We have provided rain water harvesting system from last three years. At two location one is at plant building and another is at utility building. Plant building RW collected in Main underground storage tank and utility building RW collected in primary pit and used in cooling tower. In 2015-16 we used 740 kl water from RWH and in 2016-17 we used 835 kl. And in 2017-18 we used 2386 kl. In 2018-19 we collected and used 1600 kl |
| 9 | Arrangements shall be made that effluent and storm water does not mixed. | Effluent collection and Storm water drains are separated,they are no where connected. |
| 10 | Periodic monitoring of ground water shall be undertake. | In process. |
| 11 | Noise level shall be maintained as per std, foe people working in high noise area requisite PPE like earplug shall be provided. | It is well below the specified norms. |
| 12 | The overall noise level in and around the plant are shall be kept well within the standard by providing noise control measures including acoustic hoods,enclosures. | We are monitoring noise level, workplace and ambient ,the values are well below the specified norms. Ref-Annexture II- Noise level analysis report. |
| 13 | Green belt development within premises. | We have developed green belt area. 586.75 Sq.M. |
| 14 | Adequate safety measures shall be provided to limit the risk zone within the plant boundry, in case of accident. Leak detection device shall be installed for early detection and warning. | We have fire fighting devices in plants such as hydrants, monitors and fire extinguishers. Also for leak detection we have installed gas detector in process area as well as storage area |
| 15 | Occupational health surveillance of the | Annual health check up of employees is |

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| | | |
|----|---|---|
| | workers shall be done regular basis. | carried out by certified surgeon as per factories act 1948. Last check up done on 15.02.2018. |
| 16 | The company shall make the arrangement for protection from possible fire hazard during manufacturing process in material handling. | For material handling we have provided pumps of adequate capacity. Material handled in closed system. We have provided gas detectors and fire alarms, fire hydrant tank of 300 m3 capacity which having 4 hrs fire fighting capacity. |
| 17 | Comply with the rules and regulations with regards to handling and disposal of hazardous waste. Authorization from MPCB shall be obtained for collection/treatment/storage/disposal of hazardous waste. | Complied. We have obtained CTO No.Format 1.0/BO/AST/UANNO.0000028210/O/CC-1710000670 dated 17.10.2017. Generated hazardous waste sent to authorized CHWTSDF for disposal as per Hazardous waste(management and handling) rules 2003. We have dediacted area for storage of hazardous waste. Annexure-III-Membership copy. |
| 18 | Waste minimisation measures. | 1.Batch input and output quantities monitored and batch to batch losses are minimized. 2.No by product is generated from process. 3.Batch cycles are monitored. 4. Automated solenoid valve installing in pipeline for material transferring. 3.Total recycle of generated wash water. |
| 19 | Risk assessment and risk mitigation studies indicate that there would be contingency of off-site emergency. The hazard management plan should be shared with the district administration i.e. Collector Raigad. | We have updated and incorporated the aspect contingency of off-site emergency in our "Onsite and off-site Disaster Management Plan (DMP)" and we have submitted it to Collector Raigad on 12.06.2017. Also six monthly mock drill conducted. Last mock drill was conducted on 22.10.2018 Annexture IV- Mock drill Report |
| 20 | A separate environment management cell with qualified staff shall be set up for implementation of environment safeguards. | Environment management cell is formed as per attached list. Annexture V-structure of Environment Management Cell. |
| 21 | Separate fund shall be allocated for implementation of environment protection measures. | Complied |
| 22 | Giving EC obtained information in two news paper. | We have given advertisement in two news paper, one local Marathi (Sagar) on page no.5 and one English (Indian |

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| | | |
|----|---|--|
| | | Express).on page No.3 Copies attached Annexure VI- Advertisement in News paper copies attached |
| 23 | Half yearly compliance should be submit to MPCB in soft and hard copies. | We have submitted half yearly report to RO-MPCB Belapur and acknowledgement received dated 26.10.2018 Annexure-VII-Ack. Copy. |
| 24 | A Copy of clearance letter shall be sent by propenent to the concerned municipal corporation and local NGO, and clearance letter shall also be put on the website of the company by the propenent. | We have submitted Issued EC copy to Local grampanchayat and MIDC. Annexure-VIII-Ack. Of EC submitted to local municipal corp. and MIDC |
| 25 | The proponent shall upload the status of compliance of the stipulated EC conditions,including result of monitored data on their website and update periodically.It shall simultaneouesly sent to the Regional office MoEF,Zonal office of CPCB and SPCB. The criteria pollutants level namely-SPM,SO2 Nox (ambient level as well as stack emmision) parameters indicated for the project shall be monitored and displayed at convenient location near the main gate of the company. | Sent to Regional office MoEF, Zonal office of CPCB and SPCB. And Acknowledgement received. Environment monitoring parameters containing SPM, So2,NOx, Hazardous waste disposed in respective quarter displayed at main gate. Annexure-IX-Photo of Information displayed at gate |
| 26 | Six monthly reports on the status of compliance of stipulated EC conditions to Regional office MoEF, Zonal office of CPCB and SPCB | We have submitted six monthly report on the status of compliance of stipulated EC conditions to Regional office MoEF on 26.12.18 , Zonal office of CPCB on 24.10.18 and SPCB on 26.10.18 and acknowledgement received dated |
| 27 | Environment statement for each financial year ending 31 March in Form V. | We have submitted Environment statement in Form V in soft as well as in hard copy to SRO mahad dated 02.10.2018. Annexure-X- Form V submitted for year 2018 – 2019 |
| 4 | The environment 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 dose not give immunity to the project proponent in | Noted |

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| | | |
|---|--|---|
| | the case filed against him,if any or action initiated under EP act. | |
| 5 | The environment department reserves the right 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. | All the clearance conditions are implemented. |
| 6 | Validity of Environment clearance:-The environmental clearance accorded shall be valid for period of 7 years as per MoEF and CC notification dated 29 april 2015 to start of production operation. | We have started production from 18.10.2017 |
| 7 | In case of any deviation or alteration in the project from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the conditions imposed and to incorporate additional environmental protection measures required, if any. | No such case. |
| 8 | The above stipulated would be enforced among others under the water (prevention and control of pollution) act 1974, the air (prevention and control of pollution) act 1986 and rules there under ,Hazardous wastes(prevention and control of pollution) rules 1989 and its ammendments, the public liability insurance act 1991 and its ammendments. | We are abiding by the said rules and act. |
| 9 | Any appeal against this environment clearance shall lie with the national green tribunal (western zone bench pune), New administration building 1 st floor D-wing opposite council hall pune if prefered within 30 days as prescribed under section 16 of the national green tribunal act 2010. | Noted |

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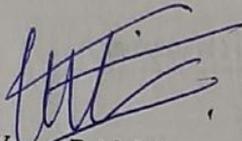
Since we have received CTO No. Format 1.0/BO/AST/UANNO.0000028210/O/CC-1710000670 dated 17.10.2017 and started our production since 18.10.2017.

We have complied with all the EC conditions and will abide by all the rules and regulations of EPA act and requirements given time to time.

We here with request you to consider our this 4th six monthly EC compliance report for your records.

Kindly acknowledge the receipt of same.

Thanking You,



Yours Faithfully,

For, Pidilite Industries limited

(Authorized signatory)

Enclosed:-

1. Annexure I to X

C.c:-

1. Zonal office CPCB Vadodara

✓ 2. Regional office MoEF Nagpur

3. Regional office MPCB Belapur.

4. SLEIAA Mumbai

CIN : L24100MH1969PLC01433

Pidilite Industries Limited

Works

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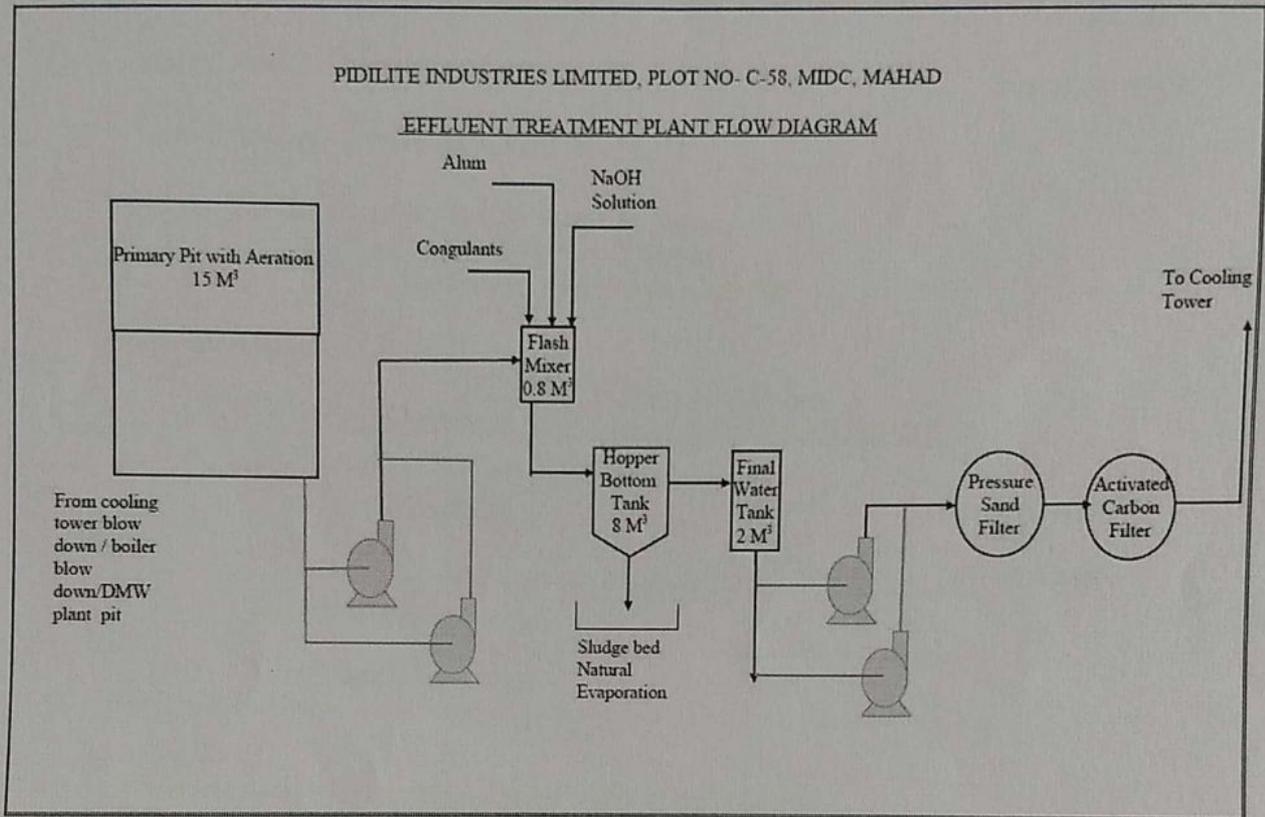
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Annexure List

| Annexure No | Details |
|-------------|---|
| I | ETP flow daigram |
| II | Noise level analysis Report |
| III | MWML membership copy |
| IV | Ack. Of Copy submitted to District collector |
| V | Structure of Environment Management Cell |
| VI | Advertisement given in two local newspapers |
| VII | Ack. Of 3 rd six monthly compliance submitted to SEIAA |
| VIII | Ack. Of EC submitted to local municipal corp. and MIDC |
| IX | Photo of Information displayed at gate |
| X | Form V submitted for year 201 8 - 2019 |

Annexure-I

PIDILITE INDUSTRIES LTD
PLOT NO- C-58, MIDC, MAHAD





PAPL

PADMAJA AEROBIOLOGICALS PVT. LTD.

Public Testing Laboratory

Recognised by Ministry of Environment Forest & Climate Change (MoEFCC)

Period - 01-05-2014 to 30-04-2019

ISO 9001: 2008, OHSAS 18001:2007 Certified

CIN : L73100MH1995PTC002502

NABL Accreditation Certificate No. TC-9088 in level 1-921 & 1-922

Valid upto 07.12.2018

AIR-F-007

Ref. No.: 766/A-152/12-18

Date: 01/01/2019

Work Order No. - 1600102863 Dated 10/11/2018

Name of the Industry: M/s. Pidilite Industries Ltd.
Plot No. C-58, MIDC, Mahad
Dist. Raigad, Maharashtra - 402 309

Date of Sampling: 19/12/2018

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 | Inside Boiler Area | 72.9 | 70.8 |
| 2 | Inside Plant Ground Floor | 63.4 | 62.9 |

Remark: --

Instrument used: - Kusam-Meco KM 929 MK1 Sr. No. AIR-I-043

Calibration Due date: - 14/05/2019.

Limits as per Factories Act 1948. : < 90.0 dB(A)

For Padmaja Aerobiologicals Pvt. Ltd.



Mumbai Waste Management Ltd.

Plot No. P-32, MIDC Taloja, Dist. Raigad

Tel. Panvel Maharashtra 410 205 India

Tel: 022-2926 3926 (30 Lines) / 022-2740 1448/49

Fax: 022-2740 1474 / 3926 3939

Email: mbd@mwmllramk.com

www.mumbaiwastemgmt.com

Dt. 21.12.2015

M/s. Pidilite Industries Ltd.

Plot No. C- 58, MIDC Industrial Area,

Mahad, Dist. Raigad – 402 309

Ph. No. 9422247373/9422246717/8793960604

Email.: latthebt@pidilite.com

Kind Attn.: Mr. B. T. Lathe – Factory Manager

Sub: Membership of CHW – TSDf at Taloja

Dear Sir,

We thank you for enrolment & welcome you as **MEMBER** of Mumbai Waste Management Ltd for utilizing our Common Hazardous Waste Treatment Storage Disposal facility, to dispose your Hazardous Waste safely & securely.

Your MWML Membership No. is **MWML- HzW – MHD– 3835**.

Minimum Monthly Commitment Charges @ Rs. 1000/- (Plus Service Tax extra as applicable) per month is to be paid by 5th of every month.

This membership is valid now but subject to termination, in the event Haz Waste generation details viz., Types of Waste, Generation Quantity, Waste Comprehensive Analysis and Monthly disposal plan, Legal Agreement, Commercial terms are not finalized.

The Membership deposit / Security deposit is adjustable against Waste Disposal Charges Only in event either party decides to terminate this Membership.

We will provide all assistance to enable starting of our Waste Collection & Disposal Operations in this period.

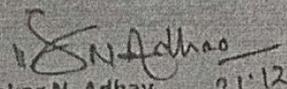
We assure you of our excellent services and seek your co-operation for good business relationship with you.

We once again thank you for your enrolment and in joining forces with us towards maintaining & sustaining our Environment.

Please do contact us for any further information.

Thanking you

Yours truly,
for **MUMBAI WASTE MANAGEMENT LTD.**


Dinkar N. Adhav
Chief Operation Officer
21.12.15

Certified by



bsi.

ISO 9001:2008

ISO 14001:2004

OHSAS 18001:2007

C. No. EMS 570497

C. No. OHS 570500

Corporate Office

Ramky Enviro Engineers Ltd

Ramky Grandiose Floor, 12-13, Ramky Tower Complex,

Gachibowli Hyderabad - 500 032

Tel: 040-2301 5000 (40 Lines) • Fax: 040-2380 2353 • Website: www.ramky.com

Pidilite EHS Manual
Mock drill / Mutual Aid observation & Action plan

Format No.: [F][EHS 108][005]
Date: 1 Sep 2017
Version No: 01

| | |
|------------|---------------------|
| Unit Name: | Pidilite Mahad C-58 |
| Date: | 22/10/18 |
| Time: | 11:20 Hrs |

BRIEF DETAILS OF THE INCIDENT SIMULATED

| | |
|----------------------|---|
| VENUE: | VAM charging in reactor area first floor. |
| PARTICIPANTS: | B G Jaybhaye, Sushil Gurav, Govind Dhakane, K B Joshi, C R Kulkarni, P P pawar, Shrikant Jadhav, B T Latthe, Raza chafekar, Ravi Ingole, Prakash shinde, Karan Bhekede, Gajanan andhale, Prashant sheth, More K, Sandeep kale, Sanket s, Kadam security, Malusare, Drivers. |
| INCIDENT DESCRIPTION | R 202 reactor manhole gasket leaked during VAM charging followed by one casualty. |
| INCIDENT CONTROLLER | B T Latthe. |

| Details of activity with time:- | Time:- |
|---|---|
| Identification of VAM leak through R 202 reactor manhole by Mr Kiran More as well as Gas detector no.2 | 11:15 Hrs |
| Breaking of near by MCC No.6 by Mr Kiran More | 11:17 Hrs |
| Mr More informed to Shift In Charge regarding the leakage through PA system | 11:19 Hrs |
| Shift In Charge announced the leakage through PA system and simultaneously informed to Unit head. | 11:20 Hrs |
| Declared the on site emergency by CIC. | 11:21 Hrs |
| All workers and officers gathered at assembly point and head count taken 33 people. | 11:23 Hrs |
| Chief desaster controller give instructions to rescue team. | 11:24 Hrs |
| Rescue team (4 no.) rushed at leakage site. | 11:26 Hrs |
| Leakage arrested by tightening the man holes bolts by Mr Kiran more with taking all safety precatuions. | 11:29 Hrs |
| One casualty during leak arresting safely shifted in EMC room, first aid given to him. | 11:31 Hrs |
| Called to ambulance by CIC | 11:32 Hrs |
| Ambulance reached at site and shifted casualty to MMA hospital. | 11:37 Hrs |
| All clear siren declaired with consultation of CIC and head count taken 33 people. | 11:39 Hrs |
| ASSEMBLY POINTS CHECKLIST: | |
| Area Knowledge to all the participants | Yes |
| People assembled at assembly point within 5-8 minutes | Yes (within 6 min) Head count before emergency 33 |
| Attendance Taken | Yes (Kadam) |

Pidilite EHS Manual
Mock drill / Mutual Aid observation & Action plan

Format No.: [F][EHS 108][005]
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| | |
|---|---|
| Reporting mechanism to the Chief Incident controller for possible evacuation | Yes , Through Manual call point broken, Open paging system. |
| Siren for all clear | 1 min continuous siren for all clear |
| Time for incidence and time for all clear | 24 min |
| The leadership quality of the personnel designated to control at assembly point | Leadership quality was satisfactory. |

EMERGENCY SQUAD:

| | |
|--|--|
| Equipment resource | Required Firefighting resources are kept ready and demonstrate at the time of drill. |
| Equipment Operation, fire extinguisher, SCBA, goggles etc. | Yes performed during the drill, |
| Time of arrival at site: | 11:23 hrs |
| Time for controlling emergency | All the workers and staff assemble at assembly point at 11:23 hrs, responsibility distribute 11:24 hrs, Fire fighting started 11:26 and completed 11:29 hrs, Gas test completed 11:30 hrs. |
| Time taken to controlling emergency | Satisfactory |
| Evacuation process knowledge of the team. Satisfactory, Unsatisfactory | Satisfactory |

FACILITY EVALUATION:

| | |
|---|---|
| Fire Extinguishers workability and appropriateness | Yes , all the, Fire extinguishers, water monitors and hydrants are healthy and working position |
| Hydrants working, Jet power, hose pipe fitting etc. | Working conditions |
| Emergency Control room equipment's facility adequate or not adequate as per OEP | Emergency control room facility is adequate like site map, |
| Head Count after all clear siren | 33 |

Pidilite EHS Manual
Mock drill / Mutual Aid observation & Action plan

Format No.: [F][EHS 108][005]

Date: 1 Sep 2017

Version No: 01

Good Observation: -

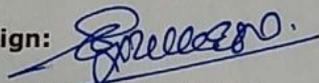
1. Communication to local authority and hospital and it was performed
2. Alertness and enthusiasm of the team was satisfactory
3. Proper Action taken by team
4. Head counting matches as per data

RECOMMENDATIONS FOR THE IMPROVEMENTS IN THE OEP OR MANAGEMENT ACTION

| Shortcoming / Gap Observed | Action Plan | Responsibility | Target Date |
|---|---|--------------------------|-------------|
| Identification jacket was missed by CIC | Identification jacket kept in ECR for wearing. | BTL | Completed |
| Rescue team members not checked the pressure of SCBA cylinder while using | SCBA cylinder pressure and condition of all parts checking started before using. Awareness training given. | GBD | Completed |
| Filled Tanker was parked inside the factory and driver waiting for invoice for tanker shifting. | In case of emergency all vehicle present inside factory should be parked outside the factory to clear road for ambulance or fire tender. Awareness given to all drivers | Kadam Security In Charge | Completed |

Chief Incident Controller :

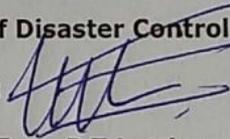
Sign:



NAME: C R Kulkarni

Chief Disaster Controller

Sign:



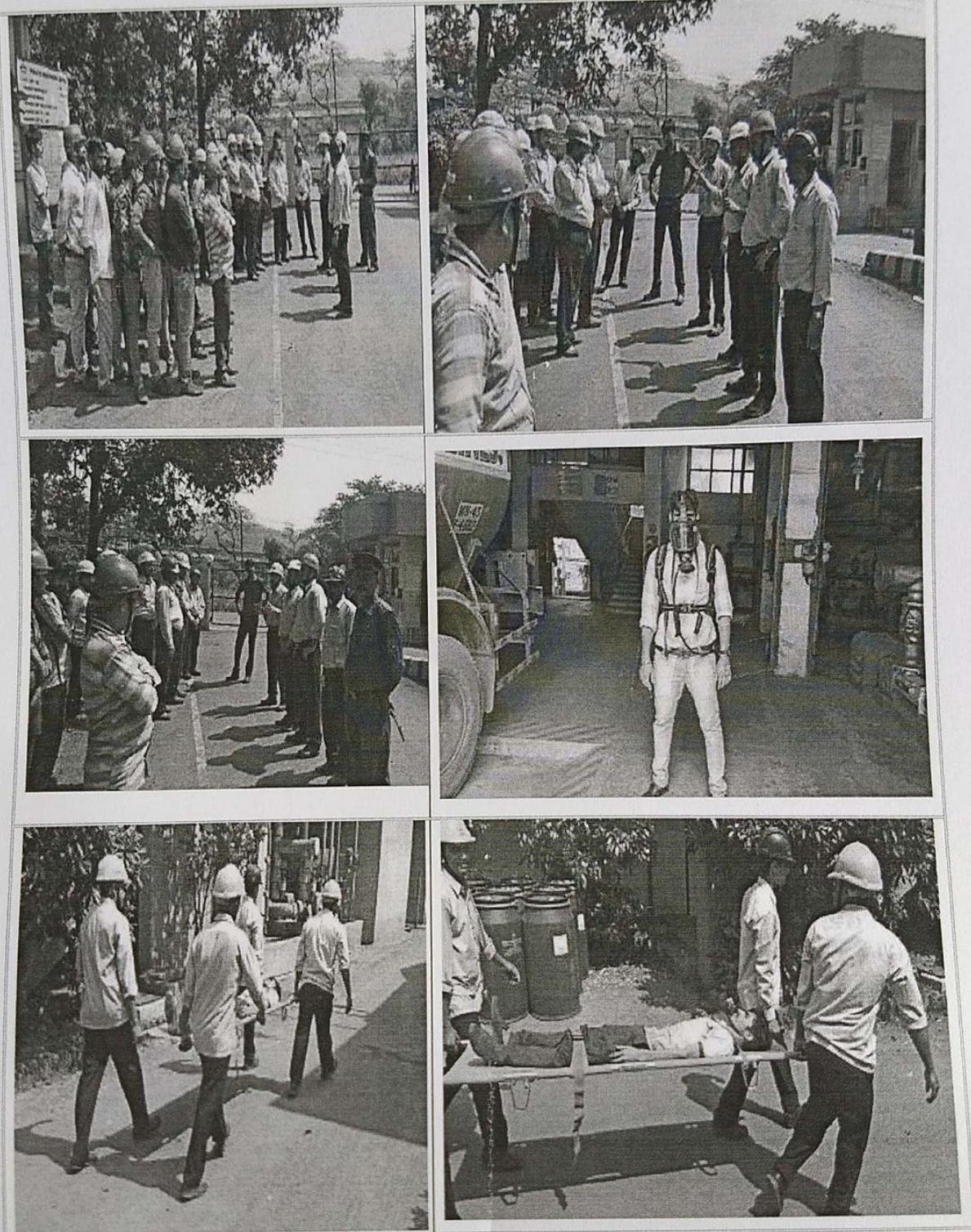
NAME: :- B T Latthe

| | |
|------------------------------------|------------------------------|
| Prepared by: | Approved By |
| Govind Dhakane Asst Manager-EHS | B T Latthe Unit Head C 58 |

Pidilite EHS Manual
Mock drill / Mutual Aid observation & Action plan

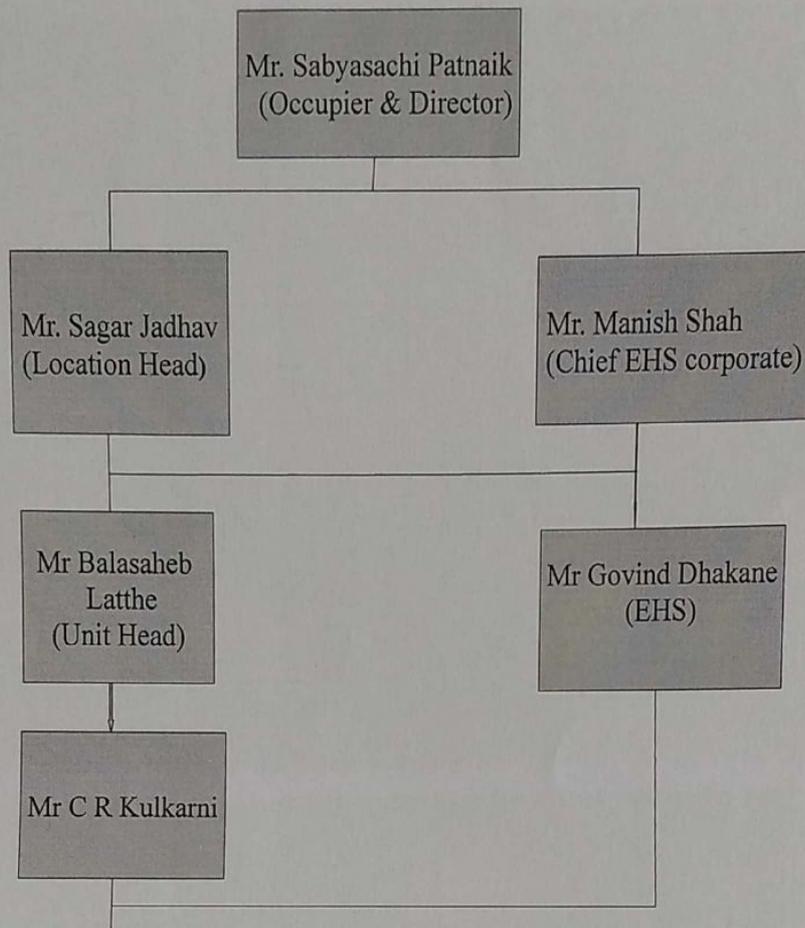
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Few Photographs of Mock drill dt. 22.10.2018: -



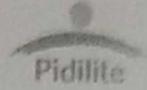
Prepared By :- Govind Dhakane
EHS C 58

Structure of Environment Management Cell



- 1. B G Jayabhaye
- 2. H Veer
- 3. Dezuza
- 4. U Sawant

Annexure-VII A



Since we have received CTO No. Format 1.0/BO/AST/UANNO.0000028210/O/CC-1710000670 dated 17.10.2017 and started our production since 18.10.2017.

We have complied with all the EC conditions and will abide by all the rules and regulations of EPA act and requirements given time to time.

We here with request you to consider our this 2nd six monthly EC compliance report as final report.

Kindly acknowledge the receipt of same.

Thanking You,

Yours Faithfully,

For, Pidilite Industries limited

(Authorized signatory)

Enclosed:-

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2. Regional office MoEF Nagpur

3. Regional office MPCB Belapur.

4. SLEIAA Mumbai

Sumit
07-02-18
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest & Climate Change
क्षेत्रीय कार्यालय (पश्चिम मध्य क्षेत्र)
Regional Office (Western Central Zone)
सू-तल पुरे खंड / Ground Floor, East Wing
नया सचिवालय भवन / New Secretariat Building
सिविल लाईन्स / Civil Lines
नागपुर / Nagpur-440 001

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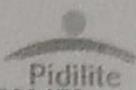
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Annual-VII-B


Pidilite

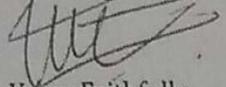
Since we have received CTO No. Format 1.0/BO/AST/UANNO.0000028210/O/CC-1710000670 dated 17.10.2017 and started our production since 18.10.2017.

We have complied with all the EC conditions and will abide by all the rules and regulations of EPA act and requirements given time to time.

We here with request you to consider our this 2nd six monthly EC compliance report as final report.

Kindly acknowledge the receipt of same.

Thanking You,



Yours Faithfully,

For, Pidilite Industries limited

(Authorized signatory)

Enclosed:-

1. Annexure I to X

C.c:-

1. Zonal office CPCB Vadodara
2. Regional office MoEF Nagpur
3. Regional office MPCB Belapur.
4. SLEIAA Mumbai

के
(प
30.1.18

केन्द्रीय प्रदूषण नियंत्रण बोर्ड
(पर्यावरण, वन एवं ज.प. पंत्रालय, भारत सरकार)
क्षेत्रीय निदेशालय (पश्चिम), "परिवेश भवन",
वार्ड कार्यालय नं.10 के पास, सुभानपुरा,
वडोदरा-390 023.

केन्द्रीय प्रदूषण नियंत्रण बोर्ड
(पर्यावरण, वन एवं ज.प. पंत्रालय, भारत सरकार)
क्षेत्रीय निदेशालय (पश्चिम), "परिवेश भवन",
वार्ड कार्यालय नं.10 के पास, सुभानपुरा,
वडोदरा-390 023.

Pidilite Industries Limited

Regd. Office
Regent Chambers, 7th Floor,
Jamnalal Bajaj Marg.

Corporate Office
Ramkrishna Mandir Road,
Andheri (E), Mumbai 400059, India

Works
Plot No. C-58, M.I.D.C.,
Mahad 402 309, Raigad, Maharashtra.

T + 91 22 2825 7000

T + 91 02145 232929

Annexure-VII - C



Acknowledgement

Date: 15/01/18

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

Sub: - Six Monthly Compliance report to the conditions stated in EC letter dated on 03 December.2016 with letter reference no. EC SEIAA-Item No.74,Meeting No.103.

Ref: EC SEIAA-Item No.74,Meeting No.103. Dated 3rd December 2016.

Respected Sir,

Our project was considered in 127th SEAC-I meeting, Item No. 3 for Proposed increase in production capacity (expansion) of synthetic organic chemicals manufacturing facility by Pidilite Industries limited at Plot No. C-58, MIDC Mahad, Tahsil Mahad, Dist Raigad. And issued Environment clearance vide EC letter EC SEIAA-Item No.74,Meeting No.103. Dated 3rd December 2016.

We have implemented the suggestions as per EC conditions and have received CTO No. Format 1.0/BO/AST/UANNO.0000028210/O/CC-1710000670 dated 17.10.2017 ON Commissioning of the project.

As per Ec condition No.23, We are here with submitting our second six monthly report for EC conditions compliances.

| Sr No | General Conditions | Compliance Status |
|-------|--|---|
| 1 | The project will not generate any process effluents; however effluent from vessel washings, cooling tower blow down, shall be treated suitably to achieve a zero liquid discharge process. | We are maintaining Zero liquid discharge. Generated process effluent used as total recycled Annexture I-ETP Flow daigram |
| 2 | The project proponent to take precaution for the health and safety of the working peoplein the unit and also for protecting environment. | We are ISO 14001 and OSHAS 18001 certified company,working in factory as per EHS management policies.Like safety work permits, Hazop studies recommendations implemented, Job safety analysis,Induction training. |
| 3 | No additional land shall be used/acquired for any activity of the project without obtaining proper permission. | No additional land used/acquired. |
| 4 | For controlling fugative natural dust, regular sprinkling of water and wind shields at | We have constructed roads for vehicles movements within factory premises. Water |

24-1-18

Regd. Office
Regent Chambers, 7th Floor,
Jammalal Bajaj Marg,
208 Nariman Point, Mumbai 400 021.

Corporate Office
Ramkrishna Mandir Road,
Andheri (E), Mumbai 400059, India
T + 91 22 2835 7000

Works
Plot No. C-58, M.I.D.C.,
Mahad 402 309, Raigad, Maharashtra.
T + 91 02145 232929

Pidilite Industries Limited

Annexure-VII-D



Acknowledgement

Date: 15/01/18

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

22-1-2018
श्री. ए. ए. शेट्टी, राज्य स्तरीय पर्यावरण विकासाच्या मंत्रालय, नवी मुंबई
महाराष्ट्र शासन, पर्यावरण विभाग, नवी मुंबई ४०००३२

Sub: - Six Monthly Compliance report to the conditions stated in EC letter dated on 03 December.2016 with letter reference no. EC SEIAA-Item No.74,Meeting No.103.

Ref: EC SEIAA-Item No.74,Meeting No.103. Dated 3rd December 2016.

Respected Sir,

Our project was considered in 127th SEAC-I meeting, Item No. 3 for Proposed increase in production capacity (expansion) of synthetic organic chemicals manufacturing facility by Pidilite Industries limited at Plot No. C-58, MIDC Mahad, Tahsil Mahad, Dist Raigad. And issued Environment clearance vide EC letter EC SEIAA-Item No.74,Meeting No.103. Dated 3rd December 2016.

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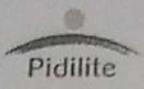
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|-------|--|--|
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| 2 | The project proponent to take precaution for the health and safety of the working people in the unit and also for protecting environment. | We are ISO 14001 and OSHAS 18001 certified company, working in factory as per EHS management policies. Like safety work permits, Hazop studies recommendations implemented, Job safety analysis, Induction training. |
| 3 | No additional land shall be used/acquired for any activity of the project without obtaining proper permission. | No additional land used/acquired. |
| 4 | For controlling fugative natural dust, regular sprinkling of water and wind shields at | We have constructed roads for vehicles movements within factory premises. Water |

Reqd. Office
Regent Chambers, 7th Floor,
Jamnalal Bajaj Marg,
208 Nariman Point, Mumbai 400 021.

Corporate Office
Ramkrishna Mandir Road,
Andheri (E), Mumbai 400059, India
T + 91 22 2635 7000

Works
Plot No. C-58, M.I.D.C.,
Mahad 402 309, Raigad, Maharashtra.
T + 91 02145 232929

Annexure-VIII-A



Acknowledgement

PIL/MHD/C 58/MIDC/04/18-19

Date:-08.01.2018

To,
The Executive Engineer
MIDC-Mahad, Dist-Raigad

Subject:- Submission of Copy of Environment clearance

Respected Sir,

We wish to inform you that, we have received Environment clearance (EC SEIAA Item No.74 Meeting No.103) from state Expert Impact Assessment Authority on Dated 03.12.2016. vide letter no ref-SEAC-2016/CR-124/TC-2

We are here with submitting EC copy to Executive engineer,MIDC as a part of information and compliance stated in EC.

Kindly acknowledge the same.

Thanking You,

Yours Faithfully,

Authorized Signatory,
For Pidilite Industries Limited
C58, MAHAD

Clerk to *Sanje*
8/1/2018.
Ex. In-charge. MIDC, Mahad Dn.

Pidilite Industries Limited

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

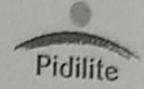
Corporate Office
Ramkrishna Mandir Road,
Andheri (E), Mumbai 400059, India
T + 91 22 2835 7000
F + 91 22 2836 4565 / 2821 6007

Works
Plot No. C-58, M.I.D.C.,
Mahad 402 309, Raigad, Maharashtra.
T + 91 02145 232929
M + 9422247373/9422246717/94222696846

CIN: L24100MH1969PLC014336

Annexure - VIII B

Acknowledgement



PIL/MHD/C 58/GRAM/03/18-19

Date:-08.01.2018

The Gramsevak/Sarpanch
Grampanchayat,
Sawane via Birwadi,
Tal-Mahad, Dist-Raigad

Subject:- Submission of Copy of Environment clearance

Respected Sir,

We wish to inform you that, we have received Environment clearance (EC SEIAA Item No.74 Meeting No.103) from state Expert Impact Assessment Authority on Dated 03.12.2016. vide letter no ref -SEAC-2016/CR-124/TC-2

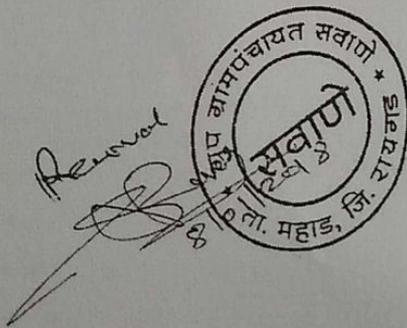
We are here with submitting EC copy to Grampanchayat Sawane as a part of information and compliance stated in EC.

Kindly acknowledge the same.

Thanking You,

Yours Faithfully,

Authorized Signatory,
For Pidilite Industries Limited
C58, MAHAD



Pidilite Industries Limited

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

Corporate Office
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Works
Plot No. C-58, M.I.D.C.,
Mahad 402 309, Raigad, Maharashtra.
T + 91 02145 232929
M + 9422247373/9422246717/9422696846

CIN: L24100MH1969PLC014336



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2018

Company Information

Company Name
Pidilite Industries Ltd

Application UAN number
NOT RECD

Address
MIDC Mahad

Plot no
C - 58

Taluka
Mahad

Village
MIDC area

Capital Investment (In lakhs)
19.07

Scale
MSI

City
Mahad

Pincode
402309

Person Name
B. T. Latthe

Designation
Factory Manager

Telephone Number
9423893250

Fax Number
774005241

Email
latthebt@pidilite.com

Region
SRO-Mahad

Industry Category
Red

Industry Type
075 Synthetic resins

Last Environmental statement submitted online
yes

Consent Number
1.0/BO/AST/JAN NO. 0000028210/O/CC-1710000670

Consent Issue Date
17.10.2017

Consent Valid Upto
30/09/2020

| <u>Product Information</u> | <u>Consent Quantity</u> | <u>Actual Quantity</u> | <u>UOM</u> |
|--|-------------------------|------------------------|------------|
| Product Name polymer of vinyl acetate and poly vinyl alcohol and additive based on vinyl acetate and polyvinyl | 30000 | 17964 | MT/A |

| <u>By-product Information</u> | <u>Consent Quantity</u> | <u>Actual Quantity</u> | <u>UOM</u> |
|-------------------------------|-------------------------|------------------------|------------|
| By Product Name NA | NA | NA | MT/A |

| <u>1) Water Consumption in m3/day</u> | <u>Consent Quantity in m3/day</u> | <u>Actual Quantity in m3/day</u> |
|---------------------------------------|-----------------------------------|----------------------------------|
| Water Consumption for Process | 85 | 30 |
| Cooling | 43 | 15 |
| Domestic | 4 | 2.9 |
| All others | 9 | 0 |
| Total | 141 | 48 |

| <u>1) Effluent Generation in CMD / MLD</u> | <u>Consent Quantity</u> | <u>Actual Quantity</u> | <u>UOM</u> |
|--|-------------------------|------------------------|------------|
| Particulars Trade effluent | 3.5 | 2 | 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 of vinyl acetate and poly vinyl alcohol and additive based on vinyl acetate and polyvinyl | 6123 | 10853 | MT/A |

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 |
|------------------------|------------------------------------|-----------------------------------|------|
| VINYL ACETATE- MONOMER | 5253 | 7933 | MT/A |
| POLY VINYL ACETATE | 568 | 921 | MT/A |
| CATAYALYST | 4 | 11.8 | MT/A |
| ACTIVATOR | 0.26 | 0.52 | MT/A |
| SURFACTANTS | 3 | 13 | MT/A |
| DMW | 6123 | 10853 | MT/A |
| PLASTISISER | 50 | 0 | MT/A |
| EMULSIFIER | 25 | 14 | MT/A |
| PRESERVATIVES | 9 | 10 | MT/A |

4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|-----------|------------------|-----------------|-------|
| FO | 255500 | 121620 | Ltr/A |
| HSD | 7300 | 2227 | Ltr/A |

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

[A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) Quantity | Concentration of Pollutants discharged (Mg/Lit) Except PH, Temp, Colour Concentration | Percentage of variation from prescribed standards with reasons %variation | Standard | Reason |
|-------------------|---|---|---|----------|--------|
| PH | 0 | 8.05 | 0 | 5.5-9 | OK |
| Suspended solid | 0 | <10 | 0 | 100 | OK |
| BOD 3 days | 0 | <5 | 0 | 30 | OK |
| COD | 0 | 12 | 0 | 250 | OK |
| Oil and Grease | 0 | <4 | 0 | 10 | OK |
| TDS | 0 | 188 | 0 | 2100 | OK |
| Sulphate | 0 | 25 | 0 | 1000 | OK |
| Chlorides | 0 | 34 | 0 | 600 | OK |

[B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) Quantity | Concentration of Pollutants discharged (Mg/NM3) Concentration | Percentage of variation from prescribed standards with reasons %variation | Standard | Reason |
|-------------------|---|---|---|----------|--------|
| TPM | 0 | 99 | 0 | 150 | OK |
| SO2 | 0 | 15.7 | 0 | 63 | OK |

| | | | | |
|---|------|---|----|----|
| 0 | 36.9 | 0 | 80 | OK |
| 0 | 119 | 0 | NS | OK |

HAZARDOUS WASTES

1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|--|--------------------------------------|-------------------------------------|--------|
| 5.1 Used /spent oil | 0.05 | 0.0 | KL/A |
| 23.1 Wastes/residues (not made with vegetable or animal mate | 7.85 | 13.17 | MT/A |
| 33.3 Discarded containers / barrels / liner | 2125 | 2381 | Nos./Y |

2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|--------------------------------------|-------------------------------------|------|
| 34.3 Chemical sludge from waste water treatment | 0 | 0 | MT/A |

SOLID WASTES

1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|--------------------------|--------------------------------------|-------------------------------------|----------|
| PAPER BAGS | 4.170 | 4.25 | MT/A |
| CARBOYS | 24 | 24 | Nos./Y |
| Paper Cloth | 94 | 96 | Kg/Annum |

2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|--------------------------|--------------------------------------|-------------------------------------|----------|
| NA | 0 | 0 | Kg/Annum |

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/Annum |

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 /spent oil | 0 | Ltr/A | oily - sell to authorized recycler |
| 23.1 Wastes/residues (not made with vegetable or animal mate | 13.17 | MT/A | solid - disposed to MWML for incineration |
| 33.3 Discarded containers / barrels / liner | 2381 | Nos./Y | solid ,disposed to MPCB authorized party |

2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|-------------------------------|--------------------|----------|------------------------------|
| PAPER BAGS | 4.25 | MT/A | Solid - |
| carboys | 24 | Nos./Y | solid - |
| paper cloth | 96 | Kg/Annum | solid - |

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) |
|-------------|---|--|--------------------------------|--------------------------------------|-----------------------------|-----------------------------------|
| NA | 0 | 0 | 0 | 0 | 0 | 0 |

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) |
|--|--|-----------------------------------|
| Heat recovery condenser for DMW heating | To reduce FO consumption | 20.0 |
| Addition of artice master to chilling plant | To reduce Energy consumption | 2.0 |
| Installation of cathodic protection | To reduce erosion of VAM tank | 5.0 |

[B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|--|--|-----------------------------------|
| Boiler chimney replacement | Proper and safe venting of stack gas | 8.0 |
| Internal road development | To eliminate dust pollution | 35 |

Any other particulars in respect of environmental protection and abatement of pollution.

Particulars

NA

Name & Designation

Balsaheb Tatoba Latthe - Factory Manager



PIDILITE INDUSTRIES LIMITED

G-58, MIDC Industrial Area, Mahad, Raigad 402309

MPCB Consent No : Format 1.0/BO/AST/UAN NO.0000028210/O/CC/-1710000670, DATED-17.10.2017

एम.पी.सी.बी.परवाना नं : फॉर्मेट १.०/बी ओ/ए एस टी / यु ए एन नं.००००२८२१०/ओ/सी सी/-१७१००००६७०

Valid Upto : 30/09/2020

DATED : 07-02-2019

परवाना मुदत : ३०/०९/२०२०

दिनांक : ०७-०२-२०१९

NAME OF PRODUCT: Polymers of vinyl acetate & Polyvinyl alcohol and Adhesives based on vinyl acetate & polyvinyl

A) EFFLUENT DISCHARGE DETAILS प्रदूषित सांडपाण्याची माहिती

| TYPES | प्रकार | CONSENT QUANTITY मर्यादा | | DISPOSAL विल्हेवाट |
|-------------------|------------------------|--------------------------|---------------|--------------------------------------|
| Trade effluent | औद्योगिक सांडपाणी | 3.5 CMD | ३.५ सी.एम.डी. | 100% RECYCLE (Zero Liquid Discharge) |
| Domestic effluent | गृहस्थांतर्गत सांडपाणी | 2 CMD | २ सी.एम.डी. | on land for gardening |

B) QUALITY OF TREATED EFFLUENT प्रक्रिया केलेल्या सांडपाण्याची माहिती

| PARAMETER | परिमाण | LIMIT मर्यादा | ACTUAL प्रत्यक्ष | DISPOSAL विल्हेवाट |
|-----------------|-----------------|-------------------------|-------------------|--|
| PH | पी.एच. | 5.0 TO 9.0 | ५.० ते ९.० पर्यंत | TREATED WATER COOLING TOWER प्रक्रिया केलेले पाणी कुर्लींग टावरला वापरणे. |
| SUSPENDED SOILS | सस्पेंडेड सॉलिड | NOT TO EXCEED 100 mg/l | १०० मिली/लि. | |
| COD | सी.ओ.डी. | NOT TO EXCEED 250 mg/l | २५० मिली/लि. | |
| BOD 3 days 27 C | बी.ओ.डी. | NOT TO EXCEED 100 mg/l | १०० मिली/लि. | |
| OIL & GREASE | तेल व ग्रीस | NOT TO EXCEED 10 mg/l | १० मिली/लि. | |
| TDS | टी.डी.एस. | NOT TO EXCEED 2100 mg/l | २१०० मिली/लि. | |
| CHLORIDES | क्लोराईड | NOT TO EXCEED 600 mg/l | ६०० मिली/लि. | |
| SULPHATES | सल्फेट | NOT TO EXCEED 1000 mg/l | १००० मिली/लि. | |
| | | | 7.4 | |
| | | | < 5 | |
| | | | 4.0 | |
| | | | < 2 | |
| | | | < 1 | |
| | | | 106 | |
| | | | 51 | |
| | | | 17 | |

C) AIR EMISSION DETAILS उत्सर्जित वायुची माहिती :

| PARAMETER | परिमाण | LIMIT मर्यादा | ACTUAL प्रत्यक्ष | DISPOSAL विल्हेवाट |
|-----------|-------------------|--------------------------------------|----------------------------|--------------------|
| SPM / TPM | हवेतील धुळीकण | NOT TO EXCEED 150 mg/Nm ³ | १५० मिली ग्रॅ.प्रति घन मी. | 71 |
| SO2 | सल्फर डाय ऑक्साईड | NOT TO EXCEED 63 kg/day | ६३ कि.ग्रॅ.प्रति दिवस | 9.8 |

D) HAZARDOUS WASTE DETAILS हानिकारक कचरा :

| CATEGORY | DESCRIPTION | CONSENT QUANTITY | ACTUAL | PARAMETER |
|-----------|---|-----------------------------------|--------|---|
| 5.1 ५.१ | USED OIL वापरलेले ऑईल | 200 Lit / A २०० लि.प्रति वर्ष | - | BY SALE TO AUTHORIZED PARTY अधिकृत ठेकेदारांना विकणे. |
| 23.1 २३.१ | WASTE RESIDUE वेस्ट रेसिड्यु | 20.7 MT / A २०.७ मे.टन प्रति वर्ष | - | CHWTSDF सीएचट्सड्फ सीएचडब्ल्यूटीएसडीएफ |
| 33.3 ३३.३ | DISCARDED CONTAINERS डिस्कार्डेड कंटेनर्स | 2500 Nos / A २५०० नं. प्रति वर्ष | 27 | CHWTSDF SALE TO MPCB AUTHORIZED RECYCLER / RE-PROCESSOR अधिकृत ठेकेदारांना विकणे. |
| 34.3 ३४.३ | Chemical sludge from waste water treatment ई.टी.सी.स्लज | 5 MT / A ५ मे.टन प्रति वर्ष | 0. MT | CHWTSDF सीएचट्सड्फ सीएचडब्ल्यूटीएसडीएफ |

E) Hazardous chemical storage हानिकारक रसायने :

| NAME | नांव | Storage capacity मर्यादा | Present Stock प्रत्यक्ष |
|-----------------------|-----------------------|---------------------------------------|-------------------------|
| VINYL ACETATE MONOMER | विनायल अॅसिटेट मोनोमर | 300 MT (MAX.) जास्तीत जास्त ३०० मे.टन | 235 MT |
| HYDROGEN PEROXIDE | हायड्रोजन पॅरोक्साईड | 1 MT (MAX.) जास्तीत जास्त १ मे.टन | 500 Lit. |

F) E-waste Details Electronic waste ई-वेस्ट इलेक्ट्रॉनिक्स वेस्ट

| NAME | नांव | QUANTITY मर्यादा |
|-------------------------------|------|------------------|
| Old computers, key Board etc. | | NIL |

G- Biomedical Waste details बायो मेडीकल वेस्ट

| NAME | नांव | QUANTITY मर्यादा |
|-----------------------|------|------------------|
| Cotton waste, Bandage | | NIL |