

PIL MHD/EHS/ 41/EC/2019**18.04.2019**

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

Dear Sir,**Sub:- Six Monthly Compliance report to the condition stated in EC Letter dt. 31.12.2015****Ref:- SEAC-2012/CR-201/TC-2 dated 31st December 2015**

We are herewith submitting our 5th Six monthly (Oct 2018 to March 2019) report for EC conditions compliance as per EC condition no 27. This report is in continuation to the earlier four- Six monthly compliance report submitted to your office

In this 5th Six monthly compliance report we submit the Point wise compliance status to the conditions of Environmental Clearance issued vide letter no. SEAC-2012/CR-201/TC-2 dated 31st December 2015 are as below

Based on the past six-monthly compliance report all infrastructural requirements/conditions are compiled and the operational control points are continuously being complied and are regularly monitored by MPCB.

Condition No	Condition details	Status
General conditions for Pre construction Phase:		
i.	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.	Complied - Project is in existing land only
ii.	PP to implement online air monitoring facility equipment.	Complied – No emission from process. Gas detectors are provided at prominent places where possibility of leakage. The same is connected to control room. Ambient air quality measurement also being done from

Mansu
8-5-19

आवक लिपिका
पर्यावरण विभाग
मंत्रालय, मुंबई

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

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

CIN: L24100MH1969PLC014336

Condition No	Condition details	Status																																																																																		
		<p>MoEF laboratory Refer Annexure no. 1</p> <table border="1" data-bbox="930 432 1505 1283"> <thead> <tr> <th>Parameter</th> <th>Result</th> <th>Limit</th> <th>Unit</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>PM (<2.5 µm)</td> <td>45</td> <td>60</td> <td>µg/m³</td> <td></td> <td></td> </tr> <tr> <td>PM (<10 µm)</td> <td>83</td> <td>100</td> <td>µg/m³</td> <td></td> <td></td> </tr> <tr> <td>So₂ Conc.</td> <td>22</td> <td>80</td> <td>µg/m³</td> <td></td> <td></td> </tr> <tr> <td>No₂ Conc.</td> <td>31</td> <td>80</td> <td>µg/m³</td> <td></td> <td></td> </tr> <tr> <td>Nh₃ Conc.</td> <td>< 10</td> <td>400</td> <td>µg/m³</td> <td></td> <td></td> </tr> <tr> <td>Carbon Monoxide</td> <td>1.0</td> <td>04</td> <td>µg/m³</td> <td></td> <td></td> </tr> <tr> <td>Benzene</td> <td><0.05</td> <td>05</td> <td>µg/m³</td> <td></td> <td></td> </tr> <tr> <td>Ozone (O₃)</td> <td><33.0</td> <td>100</td> <td>µg/m³</td> <td></td> <td></td> </tr> <tr> <td>Lead (pb)</td> <td>0.069</td> <td>1.0</td> <td>µg/m³</td> <td></td> <td></td> </tr> <tr> <td>Nickel(Ni)</td> <td><12.0</td> <td>20</td> <td>µg/m³</td> <td></td> <td></td> </tr> <tr> <td>Aresenic(As)</td> <td><1.2</td> <td>06</td> <td>µg/m³</td> <td></td> <td></td> </tr> <tr> <td>Benzo(a) pyrene (Bap)</td> <td><0.2</td> <td>01</td> <td>µg/m³</td> <td></td> <td></td> </tr> </tbody> </table>					Parameter	Result	Limit	Unit			PM (<2.5 µm)	45	60	µg/m ³			PM (<10 µm)	83	100	µg/m ³			So ₂ Conc.	22	80	µg/m ³			No ₂ Conc.	31	80	µg/m ³			Nh ₃ Conc.	< 10	400	µg/m ³			Carbon Monoxide	1.0	04	µg/m ³			Benzene	<0.05	05	µg/m ³			Ozone (O ₃)	<33.0	100	µg/m ³			Lead (pb)	0.069	1.0	µg/m ³			Nickel(Ni)	<12.0	20	µg/m ³			Aresenic(As)	<1.2	06	µg/m ³			Benzo(a) pyrene (Bap)	<0.2	01	µg/m ³		
Parameter	Result	Limit	Unit																																																																																	
PM (<2.5 µm)	45	60	µg/m ³																																																																																	
PM (<10 µm)	83	100	µg/m ³																																																																																	
So ₂ Conc.	22	80	µg/m ³																																																																																	
No ₂ Conc.	31	80	µg/m ³																																																																																	
Nh ₃ Conc.	< 10	400	µg/m ³																																																																																	
Carbon Monoxide	1.0	04	µg/m ³																																																																																	
Benzene	<0.05	05	µg/m ³																																																																																	
Ozone (O ₃)	<33.0	100	µg/m ³																																																																																	
Lead (pb)	0.069	1.0	µg/m ³																																																																																	
Nickel(Ni)	<12.0	20	µg/m ³																																																																																	
Aresenic(As)	<1.2	06	µg/m ³																																																																																	
Benzo(a) pyrene (Bap)	<0.2	01	µg/m ³																																																																																	
iii.	For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.	<p>Complied: We don't have any stack, no captive power plant.</p> <p>Major consumption of RM is in liquid form hence no dust generated from process</p> <p>For natural dust -concrete roads are provided in entire plant, lawn maintained road side, compound wall provided around whole plot area, tree barrication to entire plant.</p>																																																																																		

Condition No	Condition details	Status																																
iv.	Regular monitoring of the air quality, including SPM & SO ₂ levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.	<p>Complied. We do not have power plant & all plant floors are having adequate ventilation. Ambient air monitoring being done quarterly and records are maintained Refer Annexure no. 1. Previous quarterly Monitoring reports are as per consent condition.</p> <p>Reports are being submitted to MPCB regularly</p> <table border="1" data-bbox="922 840 1460 1236"> <thead> <tr> <th>Parameter</th> <th>Result</th> <th>Limit</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td>Parameter</td> <td>Result</td> <td>Limit</td> <td>Unit</td> </tr> <tr> <td>PM (<2.5 µm)</td> <td>45</td> <td>60</td> <td>µg/m³</td> </tr> <tr> <td>PM (<10 µm)</td> <td>83</td> <td>100</td> <td>µg/m³</td> </tr> <tr> <td>So2 Conc.</td> <td>22</td> <td>80</td> <td>µg/m³</td> </tr> <tr> <td>No2 Conc.</td> <td>31</td> <td>80</td> <td>µg/m³</td> </tr> <tr> <td>Nh3 Conc.</td> <td>< 10</td> <td>400</td> <td>µg/m³</td> </tr> <tr> <td>Lead</td> <td><0.06</td> <td>1.0</td> <td>µg/m³</td> </tr> </tbody> </table>	Parameter	Result	Limit	Unit	Parameter	Result	Limit	Unit	PM (<2.5 µm)	45	60	µg/m ³	PM (<10 µm)	83	100	µg/m ³	So2 Conc.	22	80	µg/m ³	No2 Conc.	31	80	µg/m ³	Nh3 Conc.	< 10	400	µg/m ³	Lead	<0.06	1.0	µg/m ³
Parameter	Result	Limit	Unit																															
Parameter	Result	Limit	Unit																															
PM (<2.5 µm)	45	60	µg/m ³																															
PM (<10 µm)	83	100	µg/m ³																															
So2 Conc.	22	80	µg/m ³																															
No2 Conc.	31	80	µg/m ³																															
Nh3 Conc.	< 10	400	µg/m ³																															
Lead	<0.06	1.0	µg/m ³																															
v.	PP to ensure that, COD level should be maintained below 200 mg/l after treatment.	<p>Complied. Full-fledged ETP is provided and result of COD is always below 200 ppm</p> <p>Refer Annexure no. 2</p> <table border="1" data-bbox="922 1415 1481 1953"> <thead> <tr> <th>Test Parameters</th> <th>Result</th> <th>Unit</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td>pH</td> <td>7.1</td> <td>--</td> <td>5.5.to9.0</td> </tr> <tr> <td>TSS</td> <td><5</td> <td>mg/l</td> <td>100</td> </tr> <tr> <td>TDS</td> <td>511</td> <td>mg/l</td> <td>2100</td> </tr> <tr> <td>DO</td> <td>5.4</td> <td>mg/l</td> <td>NA</td> </tr> <tr> <td>COD</td> <td>122</td> <td>mg/l</td> <td>250</td> </tr> <tr> <td>BOD 3 day of 27oc</td> <td>37</td> <td>mg/l</td> <td>100</td> </tr> <tr> <td>Oil and Grease</td> <td><01</td> <td>mg/l</td> <td>10</td> </tr> </tbody> </table>	Test Parameters	Result	Unit	Limit	pH	7.1	--	5.5.to9.0	TSS	<5	mg/l	100	TDS	511	mg/l	2100	DO	5.4	mg/l	NA	COD	122	mg/l	250	BOD 3 day of 27oc	37	mg/l	100	Oil and Grease	<01	mg/l	10
Test Parameters	Result	Unit	Limit																															
pH	7.1	--	5.5.to9.0																															
TSS	<5	mg/l	100																															
TDS	511	mg/l	2100																															
DO	5.4	mg/l	NA																															
COD	122	mg/l	250																															
BOD 3 day of 27oc	37	mg/l	100																															
Oil and Grease	<01	mg/l	10																															

Pidilite Industries Limited

Condition No	Condition details	Status			
		Sulphate	9.0	mg/l	1000
		Chloride	191	mg/l	600
vi.	Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.	Not applicable , as no furnace is available at site & not applicable to us For process plant building - Both side windows and RCC grills are provided for cross ventilation			
vii.	Proper Housekeeping programmers shall be implemented.	Complied 5 S is implemented at site and it is monitored regularly. Refer Annexure no. 3 Photographs and relevant documents showing Proper Housekeeping programs implementation.			
viii.	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.	No as such emission from plant. Unreacted monomer vapors generated during reactions are recycled through re-flux condensers. ETP is being maintained on day to day basis to achieve desired results. DG back up and power supply from our sister concern plot A 21 .			
ix.	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 available at our site.			
x.	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Complied Refer Annexure no. 04 for RWH plan, details and photographs. This season the rain water collected and saved water is			

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. A-21 & 22/1, M.I.D.C.,
Mahad 402 309, Raigad, Maharashtra.
T + 91 02145 232043-46
F + 91 02145 231264 / 232048

CIN: L24100MH1969PLC014336

Condition No	Condition details	Status
		7667 KL/season (April-18 to Sep-18). The same is filtered through Pressure Sand Filter and Activated Carbon Filter. Recharging of water in ground is not allowed as our plot is located in MIDC area.
xi	Arrangement shall be made that effluent and storm water does not get mixed.	Complied - Separate Storm water drainage and Effluent drain lines are designed and constructed at site. No mixing of Storm water and Effluent water is allowed at site.
xii	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.	Complied – Our plot is in MIDC area. Drilling Bore well in MIDC plot is not allowed. We have sampled nearby groundwater sources which are found to be OK.
xiii	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 – Noise levels are maintained as per standards. There are no High noise making machines in our factory however in case required ear plugs and ear muffs are provided to people. Last Noise Monitoring done 23.01.2019 (Results given in Annexure-05)
xiv	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	Complied - Ambient noise monitoring is being carried out periodically from MoEF approved lab and record maintained, Noise levels are as per Prescribed standard limit. Report attached- Annexure - 05

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. A-21 & 22/1, M.I.D.C.,
Mahad 402 309, Raigad, Maharashtra.
T + 91 02145 232043-46
F + 91 02145 231264 / 232048

CIN: L24100MH1969PLC014336

Condition No	Condition details	Status			
	levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.	S N	Station	N. Level in dB(A) (Day time)	Level in dB(A) (Night Time)
		1	Main gate	56.8	51.2
		2	Loading area	58.5	49.6
		3	ETP	70.7	66.1
		4	MBR Unit	68.9	62.2
		5	Air compressor	74.1	67.9
		6	Empty drum storage area	60.5	48.5
		7	Blender loading point	58.6	51.4
		8	Car parking	57.7	46.6
		9	Water pump	69.7	66.8
xv	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.	<p>Complied - Greenbelt is developed as per CPCB guidelines.</p> <p>Total Greenbelt area provided at site is 2995 sq.mt. And we have planted 2150 nos. of trees as against required as per EC 1825 nos.</p> <p>Refer Annexure no. 06 Site Layout Plan & photos attached. Along with actual Photos of tree plantation and list of trees planted at site.</p>			
xvi	Adequate safety measures shall be provide to limit the risk zone within the plant boundary, in case of an accident , Leak detection devices shall also be	<p>Complied</p> <p>Risk assessment and HAZOP study report prepared for site , Also Gas detectors are provided at site for early warning leak, We</p>			

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. A-21 & 22/1, M.I.D.C.,
Mahad 402 309, Raigad, Maharashtra.
T + 91 02145 232043-46
F + 91 02145 231264 / 232048

CIN: L24100MH1969PLC014336

Condition No	Condition details	Status																									
	installed at strategic places for early detection and warning	<p>did our last Mock drill on 13.03.2019</p> <table border="1" data-bbox="868 360 1430 853"> <thead> <tr> <th>Name of VOC</th> <th>Result</th> <th>Limit</th> <th>Unit</th> <th>Method</th> </tr> </thead> <tbody> <tr> <td>Styrene</td> <td>< 0.05</td> <td>10</td> <td>ppm</td> <td>GC</td> </tr> <tr> <td>Acrylic Acid</td> <td><0.05</td> <td></td> <td>ppm</td> <td>GC</td> </tr> <tr> <td>Acrylonitrile</td> <td><0.05</td> <td>2.0</td> <td>ppm</td> <td>GC</td> </tr> <tr> <td>NH3</td> <td><0.010</td> <td>25</td> <td>ppm</td> <td>GC</td> </tr> </tbody> </table>	Name of VOC	Result	Limit	Unit	Method	Styrene	< 0.05	10	ppm	GC	Acrylic Acid	<0.05		ppm	GC	Acrylonitrile	<0.05	2.0	ppm	GC	NH3	<0.010	25	ppm	GC
Name of VOC	Result	Limit	Unit	Method																							
Styrene	< 0.05	10	ppm	GC																							
Acrylic Acid	<0.05		ppm	GC																							
Acrylonitrile	<0.05	2.0	ppm	GC																							
NH3	<0.010	25	ppm	GC																							
xvii	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	<p>Complied- Annual and Six-monthly health checkup is done by Certified Surgeon and Medical Report is issued Form no - 7 is maintained for all employees</p> <p>Annexure - 7</p>																									
xviii	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling	<p>Complied</p> <p>Gas detector and smoke detectors are provided having indication in control room Portable Fire extinguishers are provided in all plant area , Whole site is covered with Fire Hydrant Network having continuous pressure in auto mode Annexure - 8 Fire Hydrant network and list of portable fire extinguishers</p>																									

Condition No	Condition details	Status																																																																						
xix	<p>The project authorities must strictly comply with rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections / treatment / storage / disposal of hazardous wastes.</p>	<p>Complied We regularly comply with rules and regulations with regard to handling and disposal of hazardous wastes.</p> <p>Being followed regularly</p> <p>MPCB authorization Consent no - Format 1.0 BO/AS(T)/UAN.No. 0000016411/CC Cell/A/CC-0334 Date 31.05.2017</p> <p>Valid till 31.01.2021</p> <p>Refer Annexure no. 9 (Manifest)</p> <table border="1" data-bbox="885 817 1452 1489"> <thead> <tr> <th>Sr.</th> <th>Date</th> <th>Cat. 35.3</th> <th>Cat. 23.1</th> <th>Cat. 5.1</th> </tr> </thead> <tbody> <tr><td>1</td><td>16.05.18</td><td>2.02</td><td>9</td><td></td></tr> <tr><td>2</td><td>06.08.18</td><td>--</td><td>--</td><td>100</td></tr> <tr><td>3</td><td>10.08.18</td><td>--</td><td>--</td><td>45</td></tr> <tr><td>4</td><td>14.09.18</td><td>2</td><td>7.98</td><td>--</td></tr> <tr><td>5</td><td>02.12.18</td><td>4.36</td><td>10</td><td>--</td></tr> <tr><td>6</td><td>04.12.18</td><td>4</td><td>13.6</td><td>--</td></tr> <tr><td>7</td><td>17.12.18</td><td>--</td><td>13.72</td><td>--</td></tr> <tr><td>8</td><td>09.01.19</td><td>4</td><td>12.61</td><td>--</td></tr> <tr><td>9</td><td>10.01.19</td><td>6</td><td>12.36</td><td>--</td></tr> <tr><td>10</td><td>22.02.19</td><td>5.33</td><td>10</td><td>--</td></tr> <tr><td>11</td><td>19.03.19</td><td>9</td><td>6.09</td><td>--</td></tr> <tr><td>12</td><td>26.03.19</td><td>--</td><td>13.39</td><td>--</td></tr> <tr> <td>Total</td> <td></td> <td>36.71 MT</td> <td>108.75 MT</td> <td>145 Lit</td> </tr> </tbody> </table>	Sr.	Date	Cat. 35.3	Cat. 23.1	Cat. 5.1	1	16.05.18	2.02	9		2	06.08.18	--	--	100	3	10.08.18	--	--	45	4	14.09.18	2	7.98	--	5	02.12.18	4.36	10	--	6	04.12.18	4	13.6	--	7	17.12.18	--	13.72	--	8	09.01.19	4	12.61	--	9	10.01.19	6	12.36	--	10	22.02.19	5.33	10	--	11	19.03.19	9	6.09	--	12	26.03.19	--	13.39	--	Total		36.71 MT	108.75 MT	145 Lit
Sr.	Date	Cat. 35.3	Cat. 23.1	Cat. 5.1																																																																				
1	16.05.18	2.02	9																																																																					
2	06.08.18	--	--	100																																																																				
3	10.08.18	--	--	45																																																																				
4	14.09.18	2	7.98	--																																																																				
5	02.12.18	4.36	10	--																																																																				
6	04.12.18	4	13.6	--																																																																				
7	17.12.18	--	13.72	--																																																																				
8	09.01.19	4	12.61	--																																																																				
9	10.01.19	6	12.36	--																																																																				
10	22.02.19	5.33	10	--																																																																				
11	19.03.19	9	6.09	--																																																																				
12	26.03.19	--	13.39	--																																																																				
Total		36.71 MT	108.75 MT	145 Lit																																																																				
xx	<p>The company shall undertake following Waste Minimization Measures:</p> <ul style="list-style-type: none"> Metering of quantities of active ingredients to minimize waste. Reuse of by-products from the process as raw materials or as raw material substitutes in other process. Maximizing Recoveries. 	<p>Complied –</p> <p>Elimination washing for same family batches to minimize effluent and waste generation</p> <p>Most of the active ingredient charged through mass flow meter and load cell vessels controlled through DCS</p> <p>FG batch transfer by steam to minimize</p>																																																																						

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. A-21 & 22/1, M.I.D.C.,
Mahad 402 309, Raigad, Maharashtra.
T + 91 02145 232043-46
F + 91 02145 231264 / 232048

CIN: L24100MH1969PLC014336

Condition No	Condition details	Status
	<ul style="list-style-type: none"> Use of automated material transfer system to minimize spillage. 	<p>sticking of material on reactor shell.</p> <p>Blender wash water is being collected and recycled through automated system.</p> <p>All the processes are designed to measure the inputs, reuse of by products if applicable, maximizing recoveries and closed circuit material transfer systems are implemented in the plant.</p> <p>PI refer Annexure - 10 for waste minimization</p>
xxi	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 – Regularly followed Refer Annexure no. 11 details of Mock drill schedule. We recently completed our mock drill at site on 13.03.2019. Photos are attached.
xxii	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Complied - Refer Annexure no. 12 A Structure of Environment Management Cell.
xxiii	Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.	NOT APPLICABLE - No boiler is available, hence not applicable.
xxiv	Separate silos will be provided for collecting and storing bottom ash and fly ash.	Not applicable. No boiler is available, hence not applicable.

Condition No	Condition details	Status
xxv	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost 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 Regularly – \Refer Annexure no. 12B fund for environment protection measures are allocated separately and we report the annual expenditure on Pollution control in the Environmental Statement to MPCB every year. This six months cost is - Rs 6592008.82/-
xxvi	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in	Complied News in Sakal, Raigad times, Sagar dated 31.01.2016, 29.01.2016 & 01.02.2016 Please refer Annexure no. 13 Will take care for next EC as mentioned in EC condition
xxvii	Project management should submit half yearly compliance reports in respect of the stipulated prior environmental clearance terms and conditions in hard & soft copies to the MPCB & this Department, on 1 st June & 1 st December	Being Complied -This is our fifth sixth monthly EC Compliance Report of Oct 2018 to March 2019 Environmental Monitoring report and compliance report

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. A-21 & 22/1, M.I.D.C.,
Mahad 402 309, Raigad, Maharashtra.
T + 91 02145 232043-46
F + 91 02145 231264 / 232048

CIN: L24100MH1969PLC014336

Condition No	Condition details	Status
	of each calendar year.	
xxviii	A copy of 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 - Letter submitted to gram panchayat & copy of the same is attached Please refer Annexure no.14 The EC letter has been uploaded on Company Website.
xxix	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely: SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sector 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 fourth Six monthly EC compliance has been uploaded on Company website and shall be periodically updated. (Annexure -16) Copies of EC compliance same has been sent to the Offices mentioned in this point. Critical parameters are displayed at prominent locations near main gate for public domain.
xxx	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC	Complied – 04 six monthly report are submitted till date and this is a compliance report from October 2018 to March 2019.

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

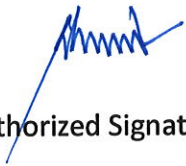
Works
Plot No. A-21 & 22/1, M.I.D.C.,
Mahad 402 309, Raigad, Maharashtra.
T + 91 02145 232043-46
F + 91 02145 231264 / 232048

CIN: L24100MH1969PLC014336

Condition No	Condition details	Status
	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.	
xxxi	The environmental statement for each financial year ending 31 st 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 – Environmental. Statement in form V is submitted online as well as in Hard copies. Please refer Annexure no. 15 Has also been uploaded on Company web. (Annexure-16)

Kindly acknowledge the receipt of the same

Thanking You
For Pidilite Industries Ltd.



Authorized Signatory

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

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. A-21 & 22/1, M.I.D.C.,
Mahad 402 309, Raigad, Maharashtra.
T + 91 02145 232043-46
F + 91 02145 231264 / 232048

CIN: L24100MH1969PLC014336

Annexure - 1



PAPL

PADMAJA AEROBIOLOGICALS PVT.LTD.

Public Testing Laboratory

Recognised by Ministry of Environment, Forest & Climate Change (MoEF)

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

ISO 9001:2015, OHSAS 18001:2007 Certified

CIN:U73100MH1995PTC092502

NABL Accreditation Certificate No.TC-5088(in lieu of T-3221 & T-3222)

Valid upto 31.12.2020

AIR-F-002

TEST REPORT AMBIENT AIR QUALITY MONITORING

Report No.	PAPL/A-153/01-19	Report Date	04/02/2019		
Work Order No.	--				
Name of Customer	M/s. Pidilite Industries Ltd.				
Address	Plot No.A-22/1, MIDC Industrial Area, Mahad, Dist. Raigad - 402 309, Maharashtra.				
MoEF Certificate No.	S.O.1174(E)Sr.No.49	Valid up to	30/04/2019		
Type of sampling	AAQM	24 Hrs.	✓	WAQM	8Hr
					24 Hr
Instrument used	RDS	✓	FDS	✓	
	ID No.	AIR-I-029	ID No.	AIR-I-016	
	Calibration Due Date	05/09/2019	Calibration Due Date	06/09/2019	
Date of Sampling	23/01/2019		Sample Ref. No.	1081/A-153/01-19	
Location of sampling	Near MCC Room				
Sample Collected By	PADMAJA AEROBIOLOGICALS PVT. LTD.				
POLLUTION PARAMETERS					
Parameter	Result	Limit	Unit	Method	
Particulate Matter (<2.5 µm)	45	60	µg/m ³	Gravimetric method (CPCB guidelines 2012, NAAQS Volume -I)	
Particulate Matter (<10 µm)	83	100	µg/m ³	IS 5182(Part-23):2006,Reaffirmed-2012	
SO ₂ Conc.	22	80	µg/m ³	IS 5182(Part-02):2001,Reaffirmed-2012	
NO ₂ Conc.	31	80	µg/m ³	IS 5182(Part-06):2006	
*NH ₃ Conc.	<10.0	400	µg/m ³	Indophenol Blue method 4.1 (CPCB guidelines 2012,NAAQS Volume-I)	
*Carbon monoxide (CO)	1.0	04	mg/m ³	IS 5182(Part-10):1999,Reaffirmed -2009	
*Benzene (C ₆ H ₆)	<0.05	05	µg/m ³	IS 5182(Part-11) :2006	
*Ozone (O ₃)	<33.0	100	µg/m ³	Chemical Method (NAAQS Volume-I)	
*Lead (Pb)	0.069	1.0	µg/m ³	AAS Method (NAAQS Volume-I)	
*Nickel (Ni)	<12.0	20	ng/m ³	AAS Method (NAAQS Volume-I)	
*Arsenic (As)	<1.2	06	ng/m ³	AAS Method (NAAQS Volume-I)	
*Benzo(a)pyrene (BaP)	<0.2	01	ng/m ³	IS 5182(Part-12):2004	

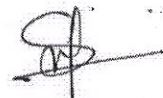
Sampling conditions	Rain	No	Construction site near by	No
	wind	No	Vehicle Activity	No


Abbreviations: BDL-Below Detectable Limit, ND-Not Detected

* Not covered under NABL scope

Remark:

Note: This test report may not be produced in part or full, without the permission of this laboratory.
This test report refers only to the sample submitted for the testing.


Analyzed by


Mr. Kishor Potekar (Laboratory Manager)
Authorized Signatory

Annexure - 2

COD Level below 200 mg/l



PADMAJA AEROBIOLOGICALS PVT.LTD.

Public Testing Laboratory
 Recognised by Ministry of Environment, Forest & Climate Change (MoEF)
 ISO 9001 : 2015, OHSAS 18001:2007 CERTIFIED
 NABL Accreditation Certificate No. TC-5088 (in lieu of T-3221 & T-3222)
 CJN : U73100MH1995PTC092502 • PAN. No. AAACP4630L
 GST No. : 27AAACP4630L1ZC

'NANDAN' Plot No- 36/3/4, Sec-24, Near Bank of India, Turbhe, Navi Mumbai - 400 705.

Tel : 022-2783 2532 / 2783 2817 Telefax ; 022-2783 2318 E-mail : Paplturbhe@yahoo.co.in web : www.padmajalab.com

CERTIFICATE OF ANALYSIS

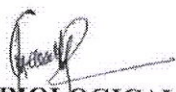
WTR-F-001

Report No : PAPL/EW-08/03-19 Date: - 11.03.2019
 Sample Ref. No. : 59/EW-08/03-19
 Name of Industry : **Pidilite Industries Limited.**
 Address : Plot No -22/1, Mahad , M.I.D.C, Dist-Raigad.
 Name of Sample : ETP Final Outlet Water
 Sample Quantity : Appx. 1000 ml Date of Collection : 27.02.2019
 Sample Collected by : Customer Date of Receiving : 04.03.2019

Sr. No.	Test Parameter	Result	Unit	MPCB Consent Limit	Test Method
1.	pH	7.1	---	5.5 – 9.0	IS:3025(P-11)1983
2.	Total Suspended Solids	<5	mg/L	100	IS:3025(P-17)1984
3.	Total Dissolved Solids	511	mg/L	2100	IS:3025(P-16)1984
4.	Dissolved Oxygen	5.4	mg/L	Not Specified	IS:3025(P-38)1989
5.	Chemical Oxygen Demand	122	mg/L	250	IS:3025(P-58)2006
6.	BOD 3 days at 27°C	37	mg/L	100	IS:3025(P-44)1993
7.	Oil & Grease	<1	mg/L	10	IS:3025(P-39)1991
8.	Chloride as Cl	191	mg/L	1000	IS:3025(P-32)1988
9.	Sulphate as SO ₄	9.0	mg/L	600	IS:3025(P-24)1986

Remark: Complies with MPCB Consent Limits

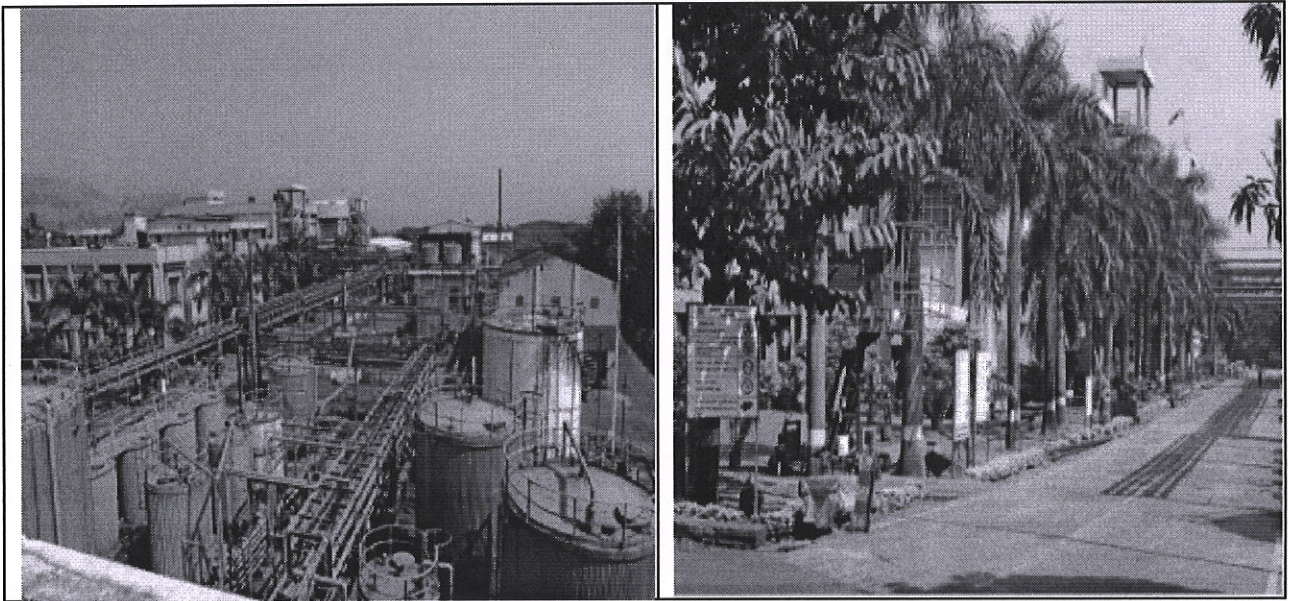

 ANALYSED BY


 FOR PADMAJA AEROBIOLOGICALS PVT. LTD.

Abbreviations: ---

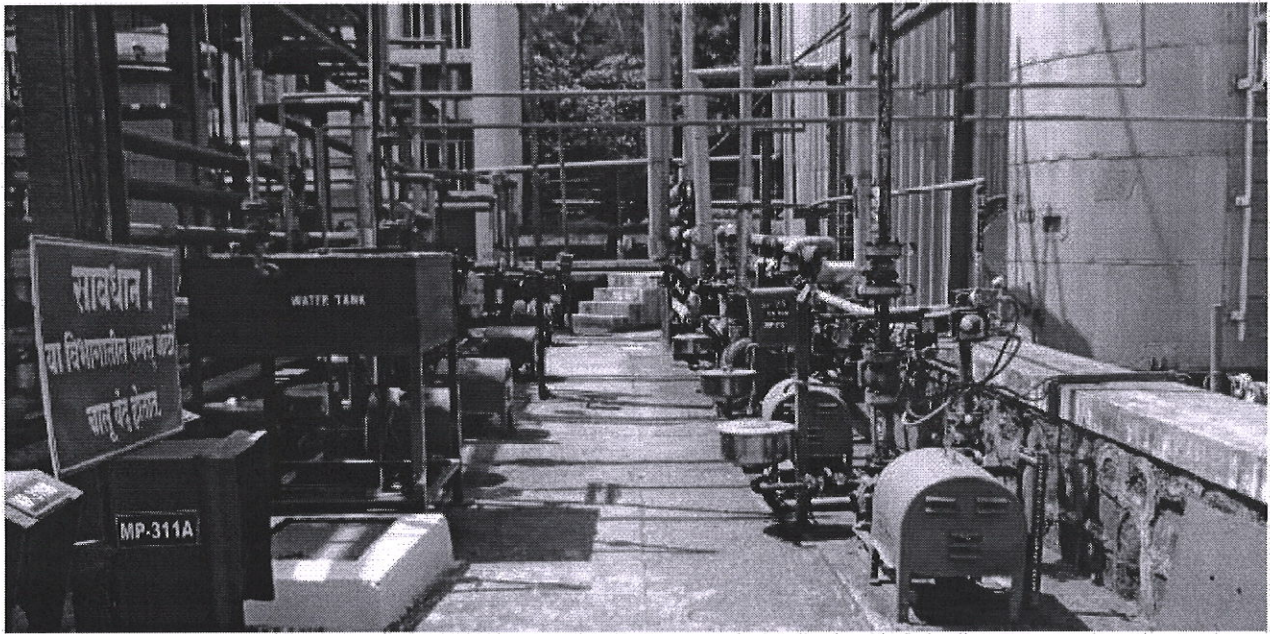
Anexure - 3

5 S Photographs (Good Housekeeping concept)

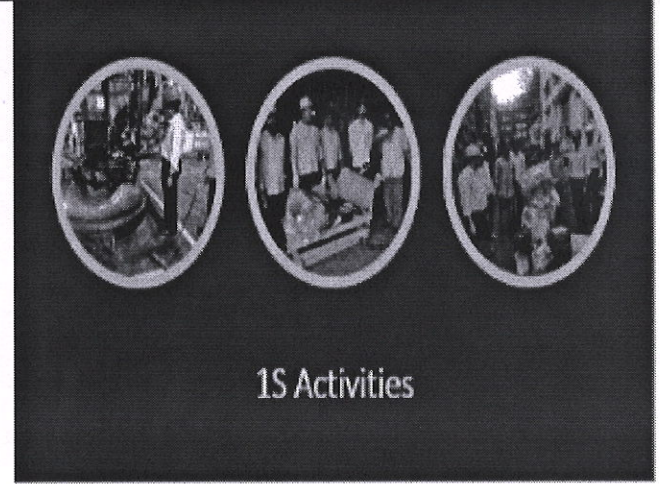
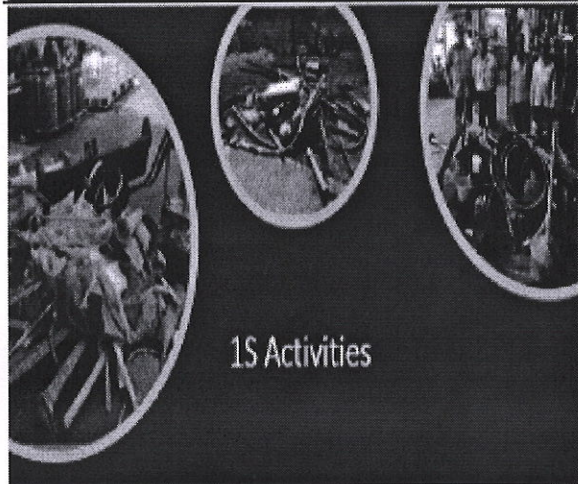
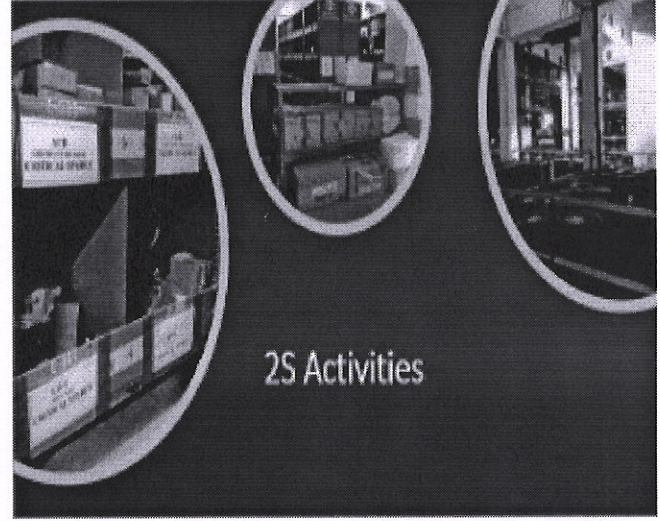
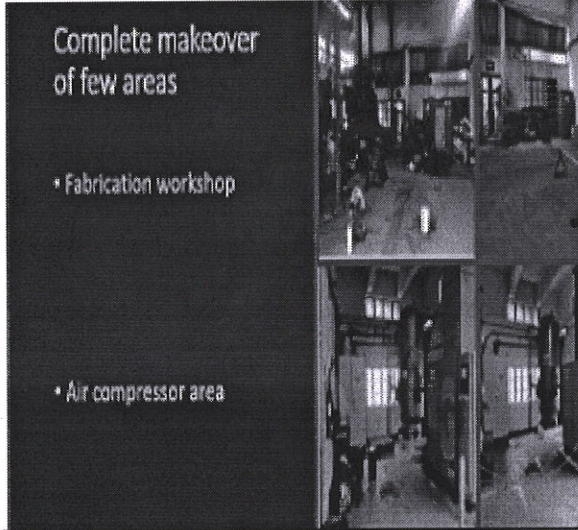


5 S in Tank Farm area

Tank Farm Area



5 S Activities (Good Housekeeping concept)



5'S

कार्यप्रणाली आणि अर्थ

जपानी शब्द	इंग्रिजा शब्द	अर्थ
Seiri	आवृत्तारी साफणे	अवश्यक वस्तूंचे आढळणं वस्तूंचे साफणे
Seiton	आवृत्तारी साफणे	वस्तूंचे साफणे आणि वस्तूंचे साफणे करणे व साफणे करणे
Seiso	स्वच्छता	स्वच्छता
Seiketsu	प्रकारित करणे	प्रकारित करणे आणि साफणे
Shitsuke	टिकून राहणे	साफ ठेवणे आणि साफ ठेवणे.

5'S फायदे

- यामुळे मोठ्या प्रमाणातील उत्पादनाच्या उद्दिष्टासाठी बर्कस्टेशनची कार्यक्षमता उच्च होते.
- स्वच्छ आणि मोटनेटच्या कार्यस्थळामुळे प्रेरणा वाढविण्यास मदत होते.
- कंपनीची प्रतिमा सुधारण्यास मदत होते.
- वेळ वाचतो.
- जलद पुनर्पत्ती होते.
- अपघात आणि चुका कमीत कमी होतात.
- जागा वाडवते.
- कार्यस्थानी मालकी तवार करते.
- दृष्यमान व्यवस्थापनामुळे असमानतेवर नियंत्रण घडत होते.
- सामान्य/असामान्य स्थितीची समज मिळण्यास मदत होते.
- प्रक्रियेचा एक दृष्टीकोन बरोबर /चुकीच्या दिजेचा खुलासा करतो.

Annexure -4

Rain Water Harvesting Data								
SR.No.	Month	Rain Water Qty (M3)	SR.No.	Month	Rain Water Qty (M3)	SR.No.	Month	Rain Water Qty (M3)
YEAR 2016-17			YEAR 2017-18			YEAR 2018-19		
1	April-2016	0	1	April-2017	0	1	April-2018	0
2	May-2016	0	2	May-2017	0	2	May-2018	0
3	June-2016	0	3	June-2017	1265.02	3	Jun-2018	1756
4	July-2016	3766.54	4	July-2017	4060.55	4	Jul-2018	2750
5	Aug-2016	3502.3	5	Aug-2017	3419	5	Aug-2018	2133
6	Sep-2016	2792.37	6	Sep-2017	4711.85	6	Sep-2018	1028
7	Oct-2016	3036.08	7	Oct-2017	4135.83	7	Oct-2018	0
8	Nov-2016	0	8	Nov-2017	0	8	Nov-2018	0
9	Dec-2016	0	9	Dec-2017	0	9	Dec-2018	0
10	Jan-2017	0	10	Jan-2018	0	10	Jan-2019	0
11	Feb-2017	0	11	Feb-2018	0	11	Feb-2019	0
12	Mar-2017	0	12	Mar-2018	0	12	Mar-2019	0
Total (M3)		13097.29	Total (M3)		17592.25	Total Quantity (M3)		7667