

To,
The Regional Office - Western Region,
Ministry of Environment, Forest & Climate Change,
Kendriya Paryavaran Bhavan,
Link Road No. 03,
Ravi Shankar Nagar
Bhopal - 462016 (MP)

Date : 11th July, 2019

SUBJECT	: Submission of EC Compliance Report for the period of January'19-June'19 for the Environment Clearance issued in 2009.
REFERENCE	: EC granted to Admark Polycoats Pvt. Ltd. (File No.: J-11011/91/2009-IA-II (I) dated 1 st September, 2009)

Dear Sir,

Our unit, M/s Admark Polycoats Pvt. Ltd., located at S. Nos. 206 & 207, Village - Luna, Padra Tal, Dist. - Vadodara is involved in the manufacturing of Epoxy Hardeners @ 1000 MT/month. For the same, we have obtained EC in the year 2009, the copy of EC is attached herewith as **Annexure - A** for your ready reference.

As a part of compliance of conditions stated therein, we are herewith submitting the EC Compliance report for the period of Jan'19 to Jun'19, along with latest analysis reports w.r.to monitoring of environmental parameters through NABL approved laboratory. (Attached herewith as **Annexure - B**)

We hope the above submission will be in line with your requirement.

Thanking you.

Yours sincerely,



For, Admark Polycoats Pvt. Ltd.

Enclosures:

Epoxy Hardeners "Built to Perform"

- Annexure - A : Copy of the EC granted in 2009
Annexure - B : Latest EC Compliance Report (Period - Jan'19 - Jun'19)
Annexure - B1 : Production and resource consumption data
Annexure - B2 : NABL certification of laboratory of Eco Care Solution
Annexure - B3 : NABL certification of laboratory of Excel Enviro Tech
Annexure - B4 : Stack Monitoring Report
Annexure - B5 : Work Zone Monitoring Report
Annexure - B6 : EC Order issued for Expansion - year 2019
Annexure - B7 : Ambient Air Quality Report
Annexure - B8 : Noise Monitoring Report
Annexure-B9 : Record of occupational health surveillance
Annexure-R10 : Form -V

CC to.: **The Incharge Zonal Officer**
Central Pollution Control Board - Zonal Office (Western Zone)
Parivesh Bhawan, Atmajyoti Ashram Rd,
Opp. VMC Ward Office No. 10, Shubhanpura,
Vadodara, Gujarat 390023
The Member Secretary

CC to.: **Gujarat Pollution Control Board,**
Paryavaran Bhavan, Sector - 10A,
Gandhinagar - 382010



Annexure A



F. No. J-11011/91/2009-IA-II (1)
Government of India
Ministry of Environment & Forests
(IA Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi - 110 003
E-mail: ms.industry-mef@nic.in
Telephone: 011: 24363973
Dated: 1st September, 2009

To

M/s Admark Polycoats Private Limited,
Survey No. 207,
Village - Luna, Taluka Padra,
District - Vadodra, Gujarat.

info@admarkpolycoats.com

Sub : Expansion of Epoxy Hardeners plant 35 MT/Month to 1000 MT/Month at Survey no. 207, Village Luna, Taluka, Padra, Distt. Vadodara, Gujarat by M/s Admark Polycoats Private Ltd. - Environmental Clearance reg.

Sir,

This has reference to your letter no. nil dated 2nd February, 2009 alongwith Form-1, prefeasibility report and draft TOR seeking environmental clearance for the above project under the Environment Impact Assessment Notification, 2006 and subsequent clarification vide your letters dated 7th March, 2009 and 6th May, 2009.

2.0 The Ministry of Environment and Forests has examined the proposal and noted that M/s Admark Polycoats Private Ltd. have proposed for expansion of Epoxy Hardeners plant with enhancement of capacity from 35 MT/Month to 1000 MT/Month at Survey no. 207, Village Luna, Taluka, Padra, District Vadodara, Gujarat. The total land required for the project will be 7297 m². The total cost of the project will be Rs. 3.50 Crores.

3.0 For control of air pollution from thermic fluid heater, incinerator and DG set stack of 18 m, 32 m and 5 m respectively will be provided. Total water requirement and wastewater generation will be 26.0 KLD and 3.6 KLD respectively. The wastewater 1.4 KLD generated from utilities will be sent to CETP of M/s EICL Umraya Gujarat. The wastewater containing amines will be directly sent to the other companies for recovery of amines. Domestic sewage generated will be disposed of in soak pit.

4.0 The project activity is listed at S.N. 5(f) under Category 'A' and the proposal was considered and appraised at central level in 92nd meeting of the Expert Appraisal Committee (Industry) held on 18th -20th March, 2009 and reconsidered in 1st meeting of the Expert Appraisal Committee (Industry - 2) held during 24th-25th July, 2009. The public hearing was exempted as per para 7(ii) of the EIA Notification, 2006.

A

5.0 Based on the information submitted by the Project Authorities, the Ministry of Environment and Forests hereby accords the environmental clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 subject to compliance of the following specific and general conditions:

A SPECIFIC CONDITIONS:

- i) The Company shall send all the wastewater containing amines to M/s Multichem, Plot no. 104, GIDC, Nandesari Gujarat and shall not involve itself in amine recovery or wastewater treatment in the premises for wastewater containing amines.
- ii) The water requirement and wastewater generation shall not exceed 26.0 KLD and 3.6 KLD respectively. The wastewater 1.4 KLD generated from utilities shall be sent to CETP of M/s EICL Umraya Gujarat.
- iii) The Company shall obtain permission for drawl of 26.0 KLD ground water from the CGWA/CGWB within three months from date of issue of this letter and a copy shall be submitted to the Ministry's Regional Office at Bhopal.
- iv) The company shall provide the monitoring arrangement with stacks/vents and regular monitoring shall be carried out and reports submitted to the SPCB, CPCB and Ministry's Regional Office at Bhopal.
- v) The proponent shall upload the status of compliance of the stipulated EC conditions, including 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 namely; SPM, RSPM, SO₂, NO_x (Ambient levels as well as stack emissions), indicated for the project shall be monitored and displayed at the convenient location near the main gate of the Company in the public domain.
- vi) The process emissions and particulate matter from various units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) 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.
- vii) Fugitive emissions in the work zone environment, product and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by GPCB.
- viii) The project authorities shall decontaminate the bags/containers and shall be reuse or sold to GPCB registered dealers. Incineration ash shall be sent to Common TSDF at Surat. The spent oil shall be sold to authorised recyclers.
- ix) During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.
- x) The project authorities shall develop greenbelt in 33% of project area as per the guidelines of CPCB to mitigate the effect of fugitive emission.

- A
- xi) Adequate financial provision shall be made in the budget of the project for implementation of the above suggested environmental safeguards. Fund so earmarked shall not be diverted for any other purposes.
 - xii) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
 - xiii) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
 - xiv) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

GENERAL CONDITIONS

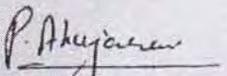
- i) The project authorities shall strictly adhere to the stipulations of the SPCB/state government or any statutory body.
- ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii) The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.
- iv) Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration are anticipated in consultation with the State Pollution Control Board.
- v) For control of process emissions, stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided. The scrubbed water shall be sent to ETP for further treatment.
- vi) The company shall undertake following Waste Minimization measures :-
 - 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 processes.
 - Maximizing recoveries
 - Use of automated material transfer system to minimize spillage.
 - Use of "Closed Feed" system into batch reactors.
- vii) 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 Wastes (Management, Handling and Transboundary Movement) Rules, 2008. Authorization from

- the SPCB shall be obtained for collections/treatment/ storage/disposal of hazardous wastes.
- viii. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
 - ix. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the environmental management and monitoring functions.
 - x. The project authorities shall provide rainwater harvesting system and ground water recharge.
 - xi. The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's Regional Office /SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.
 - xii. 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 on hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
 - xiii. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations if any, were received while processing the proposal. The clearance letter shall also put up on the website of the Company by the proponent.
 - xiv. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Ministry's Regional Office.
 - xv. 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 alongwith the status of compliance of EC conditions and shall also be sent to the respective regional Office of the MoEF by e-mail.
 - xvi. The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
- 6.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

7.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner shall implement these conditions.

8.0 Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.

9.0 The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008. and the Public Liability Insurance Act, 1991 alongwith their amendments and rules.


(P.L. Ahujarai)
Director

Copy to :-

1. The Secretary, Department of Environment and Forests, Govt. of Gujarat, Secretariat Gandhinagar-382010
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110032.
3. The Chairman, Gujarat State Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar-382010.
4. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (WZ), Ravishankar Nagar, Link Road-3, Bhopal- 462016, M.P.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
6. Guard file.
7. Record file

|
(P.L. Ahujarai)
Director

Annexure - B

**Admark Polycos Pvt. Ltd. - Compliance of EC dated 01st September, 2009
(Ref.: F. No.: J-11011/91/2009-IA-II(I)) (for the period January-2019 to June-2019)**

Sr. No.:	Project Condition	Compliance Status
A	Specific Conditions.	
i.	The company shall send all the wastewater containing amines to M/s Multichem, Plot No.: 104, GIDC, Nandesari Gujarat, and shall not involve itself in amine recovery or wastewater treatment in the premises for wastewater containing amines.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. ➤ <i>The entire quantity of wastewater containing amines is sent for amine recovery to M/s Multichem, in GIDC Nandesari. M/s Multichem is holding valid CC&A from GPCB (AWH-52980).</i> ➤ <i>The details pertaining to amine water sent to M/s Multichem for the period from Jan'19 to June'19 for recovery are shown herewith as Annexure - B1.</i> ➤ <i>From the same, the average monthly disposal to Multichem is around 80.25 kL/month & corresponding daily quantity is 3.09 kL/day (against limit of 3.6 KLD).</i>
ii.	<p>The water requirement and wastewater generation shall not exceed 26.0 KLD and 3.6 KLD respectively.</p> <p>The wastewater 1.4 KLD generated from utilities shall be sent to CETP of M/s EICL, Umraya Gujarat.</p>	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. ➤ <i>The water requirement for domestic use as well as cooling use has remained below 26 KLD. The water consumption data for period from Jan'19 to June'19 is attached herewith as Annexure-B1.</i> ➤ <i>Industrial wastewater from process, (which is currently about 3.09 KLD on an average, against 3.6 KLD) is being sent to M/s Multichem for amine recovery.</i> ➤ <i>Wastewater from utilities (for which current average generation is @0.89 KLD, against limit of 1.4 KLD) is being sent to CETP of EICL, Umaraya. Details pertaining to disposal at EICL for period from Jan'19 to June'19 are included herewith as Annexure - B1.</i>
iii.	The Company shall obtain permission for drawl of 26.0 KLD ground water from the CGWA/CGWB within three months from date of issue of this letter and a copy shall	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018.



Annexure - B

Admark Polycoats Pvt. Ltd. - Compliance of EC dated 01st September, 2009
(Ref.: F. No.: J-11011/91/2009-IA-II(I)) (for the period January-2019 to June-2019)

Sr. No.:	Project Condition	Compliance Status																																								
	be submitted to the Ministry's Regional Office at Bhopal.	<ul style="list-style-type: none"> ➤ The company has been issued permission for withdrawal of ground water from CGWA through its letter no. CGWA/NOC/IND/ORIG/2018/3503. 																																								
iv.	The company shall provide the monitoring arrangement with stacks/ vents and regular monitoring shall be carried out and reports submitted to the SPCB, CPCB and Ministry's Regional Office at Bhopal.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. ➤ The stack monitoring is being carried out regularly on quarterly basis through NABL accredited laboratory (M/s. Excel Enviro Tech, Ahmedabad & M/s. Eco Care Solutions, Surat) vide their NABL certificate no.: TC-8153 & TC-5892 (Annexure - B2 & B3) ➤ The reports pertaining to periodical stack analysis carried out are shown herewith as Annexure - B4 ➤ The summary for the observations during the period are as below, and they are within the limits prescribed by statutory authority : ➤ Stack attached to TFH-01 <table border="1" data-bbox="815 1173 1497 1554"> <thead> <tr> <th>Parameter</th> <th>Min</th> <th>Max</th> <th>Average</th> <th>Permissible Limit</th> </tr> </thead> <tbody> <tr> <td>PM, in mg/NM3</td> <td>16.13</td> <td>16.46</td> <td>16.29</td> <td>150</td> </tr> <tr> <td>SO₂, in ppm</td> <td>5.64</td> <td>7.50</td> <td>6.57</td> <td>100</td> </tr> <tr> <td>NO_x, in ppm</td> <td>15.43</td> <td>15.67</td> <td>15.55</td> <td>50</td> </tr> </tbody> </table> <ul style="list-style-type: none"> ➤ Stack attached to TFH-02 <table border="1" data-bbox="815 1592 1497 1973"> <thead> <tr> <th>Parameter</th> <th>Min</th> <th>Max</th> <th>Average</th> <th>Permissible Limit</th> </tr> </thead> <tbody> <tr> <td>PM, in mg/NM3</td> <td>17.75</td> <td>18.91</td> <td>18.33</td> <td>150</td> </tr> <tr> <td>SO₂, in ppm</td> <td>6.41</td> <td>12.18</td> <td>9.29</td> <td>100</td> </tr> <tr> <td>NO_x, in ppm</td> <td>15.43</td> <td>23.43</td> <td>19.43</td> <td>50</td> </tr> </tbody> </table> <ul style="list-style-type: none"> ➤ Stack attached to D.G Set 	Parameter	Min	Max	Average	Permissible Limit	PM, in mg/NM3	16.13	16.46	16.29	150	SO ₂ , in ppm	5.64	7.50	6.57	100	NO _x , in ppm	15.43	15.67	15.55	50	Parameter	Min	Max	Average	Permissible Limit	PM, in mg/NM3	17.75	18.91	18.33	150	SO ₂ , in ppm	6.41	12.18	9.29	100	NO _x , in ppm	15.43	23.43	19.43	50
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Annexure - B

**Admark Polycoats Pvt. Ltd. - Compliance of EC dated 01st September, 2009
(Ref.: F. No.: J-11011/91/2009-IA-II(I)) (for the period January-2019 to June-2019)**

Sr. No.:	Project Condition	Compliance Status															
		Parameter	Min	Max	Average	Permissible Limit											
		PM, in mg/NM3	16.74	18.81	17.77	150											
		SO2, in ppm	7.15	11.79	9.47	100											
		NOx, in ppm	15.52	15.67	15.59	50											
v.	<p>The proponent shall upload the status of compliance of the Stipulated EC conditions, including monitored data on their website and shall update the same periodically.</p> <p>It shall simultaneously be sent to the Regional Office-of MoEF, the respective Zonal Office of CPCB and the SPCB.</p> <p>The criteria pollutant namely; SPM, RSPM, SO₂ NO_x (Ambient levels as well as stack emissions), indicated for the project shall be monitored and displayed at the convenient location near the main gate of the Company in the public domain.</p>	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. <p>The details pertaining to grant of EC in 2009 are already updated on the company website http://admarkpolycoats.com/wp-content/uploads/2018/02/EC-issued-in-2009.pdf</p> <ul style="list-style-type: none"> ➤ The status of compliance of EC conditions have also been updated on the company website. 															
vi.	<p>The process emissions and particulate matter from various units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) 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.</p>	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. ➤ Since all the reactions are being carried out in closed reaction vessels, there is no process emission as a part of the manufacturing process. ➤ Stack attached to TFH-01 <table border="1"> <thead> <tr> <th>Parameter</th> <th>Min</th> <th>Max</th> <th>Average</th> <th>Permissible Limit</th> </tr> </thead> <tbody> <tr> <td>PM, in mg/NM3</td> <td>16.13</td> <td>16.46</td> <td>16.29</td> <td>150</td> </tr> <tr> <td>SO2, in ppm</td> <td>5.64</td> <td>7.50</td> <td>6.57</td> <td>100</td> </tr> </tbody> </table>	Parameter	Min	Max	Average	Permissible Limit	PM, in mg/NM3	16.13	16.46	16.29	150	SO2, in ppm	5.64	7.50	6.57	100
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Annexure - B

Admark Polycoats Pvt. Ltd. - Compliance of EC dated 01st September, 2009
(Ref.: F. No.: J-11011/91/2009-IA-II(I)) (for the period January-2019 to June-2019)

Sr. No.:	Project Condition	Compliance Status					
				NOx, in ppm	15.43	15.67	15.55
		➤ Stack attached to TFH-02					
		Parameter	Min	Max	Average	Permissible Limit	
		PM, in mg/NM3	17.75	18.91	18.33	150	
		SO2, in ppm	6.41	12.18	9.29	100	
		NOx, in ppm	15.43	23.43	19.43	50	
vii.	Fugitive emissions in the work zone environment, product and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by GPCB.	➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. ➤ <i>Work zone monitoring is now being carried out through NABL accredited lab (M/s. Eco Care Solutions), in line with the statutory requirements.</i> ➤ <i>The details are included at Annexure - B5.</i>					
		Location of monitoring	Parameter	Min value	Max value	Ave.	TWA Conc.
		Between reactor 5& 6 (1 st floor)	VOC as Xylene, in mg/m3	2.4	2.6	2.5	435
			VOC as EDA, in mg/m3	2.8	3.1	2.95	25
		Nr. Reactor 10 (Gr. floor)	VOC as Xylene, in mg/m3	3.5	3.8	3.65	435
			VOC as EDA, in mg/m3	3.1	3.3	3.2	25



Annexure - B

**Admark Polycoats Pvt. Ltd. - Compliance of EC dated 01st September, 2009
(Ref.: F. No.: J-11011/91/2009-IA-II(I)) (for the period January-2019 to June-2019)**

Sr. No.:	Project Condition	Compliance Status
viii.	The project authorities shall decontaminate bag/containers and shall be reuse or sold-out to GPCB registered dealers. Incineration ash shall be sent to Common TSDF at Surat. The spent oil shall be sold to authorized recyclers.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018.
ix.	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillage ages with domestic waste and storm drains.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018.
x.	The project authorities shall Develop greenbelt 33% of project area as per the guidelines of CPCB to mitigate of fugitive emissions.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018.
xi.	Adequate financial provision shall be made in the budget of the project for implementation of the above suggested environmental safeguards. Fund so earmarked shall not be diverted for any other purposes.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018.
xii.	Occupational health surveillance of the workers shall be done on a regularly basis and records maintained as per the Factories Act.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. ➤ As per statutory requirement, the unit is engaging a qualified medical officer for conducting six monthly occupational health surveillance, and the records are being maintained. ➤ Copies of latest records is attached herewith as Annexure B9.
xiii.	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018.



Annexure - B

**Admark Polycoats Pvt. Ltd. - Compliance of EC dated 01st September, 2009
(Ref.: F. No.: J-11011/91/2009-IA-II(I)) (for the period January-2019 to June-2019)**

Sr. No.:	Project Condition	Compliance Status
xiv.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018.



Annexure - B

Admark Polycoats Pvt. Ltd. - Compliance of EC dated 01st September, 2009
(Ref.: F. No.: J-11011/91/2009-IA-II(I)) (for the period January-2019 to June-2019)

B	General Conditions											
i.	The project authorities shall strictly adhere to the stipulations of the SPCB/state government or any statutory body.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. 										
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. ➤ <i>The present production is always remaining less than 1000 MT/month as per the prevailing EC (Annexure - B1). The average production for period between Jan'19 to June'19 has been around 601.17 MT/month.</i> ➤ <i>EC has been obtained for expansion of epoxy hardeners vide letter dated 08/01/2019 from 1000 MT/month to 2000 MT/month. Copy of the recent EC for expansion is attached herewith as Annexure-B6.</i> 										
iii.	The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. 										
iv.	Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration are anticipated in consultation with the State Pollution Control Board.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. ➤ <i>Ambient air quality monitoring is carried out through NABL approved lab (M/s. Eco Care Solutions, Surat) vide certificate no.: TC-8153 and the stations are placed near Main Gate and near weight bridge of the plant, the periodical results pertaining to the same are included at Annexure - B7.</i> ➤ Location-1 Near Main Gate <table border="1" data-bbox="794 1928 1485 2007"> <thead> <tr> <th>Parameter</th> <th>Min</th> <th>Max</th> <th>Average</th> <th>Permissible</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Parameter	Min	Max	Average	Permissible					
Parameter	Min	Max	Average	Permissible								



Annexure - B

Admark Polycos Pvt. Ltd. - Compliance of EC dated 01st September, 2009
(Ref.: F. No.: J-11011/91/2009-IA-II(I)) (for the period January-2019 to June-2019)

				Limit	
	PM10, in $\mu\text{g}/\text{m}^3$	41.91	43.43	42.67	100
	PM2.5, in $\mu\text{g}/\text{m}^3$	19.89	20.10	19.95	60
	SO ₂ , in $\mu\text{g}/\text{m}^3$	3.78	<5	3.5	80
	NO _x , in $\mu\text{g}/\text{m}^3$	29.64	30.43	30.03	80
	➤ Location-1 Near Weight Bridge				
	Parameter	Min	Max	Average	Permissible Limit
	PM10, in $\mu\text{g}/\text{m}^3$	32.99	33.60	33.29	100
	PM2.5, in $\mu\text{g}/\text{m}^3$	20.67	23.82	22.24	60
	SO ₂ , in $\mu\text{g}/\text{m}^3$	3.03	<5	3.5	80
	NO _x , in $\mu\text{g}/\text{m}^3$	25.29	26.08	25.68	80
	➤ The results indicate that the concentrations are within the permissible limits.				
v.	For control of process emissions, stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided. The scrubbed water shall be sent to ETP for further treatment	➤ Complied			➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018.
vi.	The company shall undertake following Waste Minimization measure: ➤ Metering of quantities of active ingredients to minimize waste. ➤ Reuse of by-products from the process as raw materials or raw material Substitutes in other processes ➤ Maximizing recoveries ➤ Use of automated material transfer system to minimize spillage. ➤ Use of "Closed Feed" system into batch reactors.	➤ Complied			➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018.



Annexure - B

Admark Polycoats Pvt. Ltd. - Compliance of EC dated 01st September, 2009
(Ref.: F. No.: J-11011/91/2009-IA-II(I)) (for the period January-2019 to June-2019)

vii.	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 Wastes (Management, Handling and trans boundary Movement) Rules, 2008. Authorization from the SPCB shall be obtained for collection/treatment/storage/disposal of hazardous wastes.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. 																																														
viii.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dB A) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dB (day time) and 70 dB (night time).	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. ➤ <i>The requisite noise prevention measures have been taken to ensure that noise levels within the plant area remain within limits.</i> ➤ <i>The ambient noise levels are being monitored regularly through NABL approved lab (M/s. Eco Care Solutions, Surat) vide certificate no.: TC-8153.</i> ➤ <i>Noise level details for the periodical monitoring are included at Annexure - B8, from which it can be seen that the noise levels remain within the permissible limit of 90 dB(A) as stipulated under Factories Act, 1948.</i> 																																														
		<table border="1"> <thead> <tr> <th>Parameter</th> <th>Min</th> <th>Max</th> <th>Average</th> <th>Permissible Limit</th> </tr> </thead> <tbody> <tr> <td colspan="4" style="text-align: center;">Day Time</td> <td rowspan="11" style="text-align: center; vertical-align: middle;">75 dB</td> </tr> <tr> <td>Near Main Gate</td> <td>59.9</td> <td>64.4</td> <td>62.15</td> </tr> <tr> <td>Near Security Cabin</td> <td>57.4</td> <td>60.3</td> <td>58.85</td> </tr> <tr> <td>Near ADM office</td> <td>54.4</td> <td>55.1</td> <td>54.75</td> </tr> <tr> <td>Near Q.C Lab</td> <td>56.7</td> <td>58.4</td> <td>57.55</td> </tr> <tr> <td>Near R&D Lab</td> <td>57.1</td> <td>61.1</td> <td>59.1</td> </tr> <tr> <td>Near Utility Area</td> <td>69.1</td> <td>71.1</td> <td>70.1</td> </tr> <tr> <td>Near Production Plant Ground Floor</td> <td>67.1</td> <td>69.8</td> <td>68.45</td> </tr> <tr> <td>Near Production Plant First Floor</td> <td>68.9</td> <td>71.1</td> <td>70.0</td> </tr> <tr> <td>Near Ware</td> <td>65.1</td> <td>65.7</td> <td>65.4</td> </tr> </tbody> </table>	Parameter	Min	Max	Average	Permissible Limit	Day Time				75 dB	Near Main Gate	59.9	64.4	62.15	Near Security Cabin	57.4	60.3	58.85	Near ADM office	54.4	55.1	54.75	Near Q.C Lab	56.7	58.4	57.55	Near R&D Lab	57.1	61.1	59.1	Near Utility Area	69.1	71.1	70.1	Near Production Plant Ground Floor	67.1	69.8	68.45	Near Production Plant First Floor	68.9	71.1	70.0	Near Ware	65.1	65.7	65.4
Parameter	Min	Max	Average	Permissible Limit																																												
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Annexure - B

Admark Polycoats Pvt. Ltd. - Compliance of EC dated 01st September, 2009
(Ref.: F. No.: J-11011/91/2009-IA-II(I)) (for the period January-2019 to June-2019)

		house				
		Near Storage Area	62.4	62.5	62.45	
		Near D.G Set	73.4	74.3	73.85	
		Parameter	Min	Max	Average	
					Permissible Limit	
		Night Time				70 dB
		Near Main Gate	50.7	62.3	56.5	
		Near Security Cabin	51.4	56.5	53.95	
		Near ADM office	48.3	53.7	51.0	
		Near Q.C Lab	51.8	57.1	54.45	
		Near R&D Lab	54.1	59.2	56.65	
		Near Utility Area	64.9	72.3	68.6	
		Near Production Plant Ground Floor	59.2	66.7	62.95	
		Near Production Plant First Floor	55.1	64.4	59.75	
		Near Ware house	55.7	61.1	58.4	
		Near Storage Area	54.3	58.4	56.35	
		Near D.G Set	53.3	73.3	63.3	
ix.	A separate Environmental Management Cell equipped with full-fledged laboratory Facilities shall be set up to carry out the environmental management and monitoring functions.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. 				
x.	The project authorities shall provide rainwater harvesting system and ground water recharge.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. 				
xi.	The implementation of the project vis-a-vis environmental action plans shall be monitored by Ministry's Regional Office SPCB/CPCB. A six monthly compliance status report shall be submitted to	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. 				



Annexure - B

**Admark Polycoats Pvt. Ltd. - Compliance of EC dated 01st September, 2009
(Ref.: F. No.: J-11011/91/2009-IA-II(I)) (for the period January-2019 to June-2019)**

	monitoring agencies.	<ul style="list-style-type: none"> ➤ <i>Monitoring of parameters is being done on regular basis.</i> ➤ <i>The copies of the six monthly compliance reports are now being regularly sent to ZO of CPCB and SPCB as well.</i>
xii.	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 on hard copies as well as by-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	
xiii.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations if any, were received while processing the proposal. The clearance letter shall also put up on the website of the Company by the proponent.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. <p><i>The details pertaining to grant of EC have been displayed on company website. Copy of the recent EC is also be duly put up on website.</i> http://admarkpolycoats.com/wp-content/uploads/2018/02/EC-issued-in-2009.pdf.</p>
xiv.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Ministry's Regional Office.	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018.
xv.	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	<ul style="list-style-type: none"> ➤ Complied ➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018. ➤ <i>The Environmental statement i.e. Form-V has been submitted for the F.Y. 2018-2019; enclosed herewith as Annexure-B10.</i>



Annexure - B

**Admark Polycoats Pvt. Ltd. - Compliance of EC dated 01st September, 2009
(Ref.: F. No.: J-11011/91/2009-IA-II(I)) (for the period January-2019 to June-2019)**

	along with the status of compliance of EC conditions and shall also be sent to the respective regional Office of the MoEF by-mail.	
xvi.	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	<p>➤ Complied</p> <p>➤ The same has been verified by MoEF &CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018.</p>



ANNEXURE - B1
DETAILS PERTAINING TO PRODUCTION, WATER CONSUMPTION & WASTEWATER DISPOSAL
AT CETP OF EICL, UMARAYA

Sr. No	Month	Production of Epoxy Hardeners (in MT)	Water Consumption (Domestic + Cooling) (in kL)	Wastewater Disposal at EICL, Umaraya (in kL)	No. Of truck to EICL Umaraya	Amine water (EDA+ water) sent to Multichem (in MT)	Recovered distilled EDA solution received back from Multichem (in MT)
1.	Jan'19	405	262	34.0	2	64.610	26
2.	Feb'19	416	264	17.5	1	68.920	24
3.	March'19	717	365	17.5	1	68.565	9
4.	Apr'19	712	391	17.5	1	124.010	33
5.	May'19	751	416	35.5	2	83.095	18
6.	Jun'19	606	317	17.5	1	72.315	18
Average		601	336	26.2		80.25	21.33

Notes:

Average water consumption from the data is approximately **12.92 KLD** and average wastewater disposal at EICL CETP is approximately **0.89 KLD**.

The average monthly disposal to Multichem for said period is around **80.25 kL/month** & corresponding daily quantity is **3.09 kL/day** (Against the limit of 3.6 kL/day).





National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



NABL /TT-4393

03/12/2018

Mr. Jeetendra H. Bhavnani,
Eco Care Solutions,
306-307, Dwarkesh Complex, Sun Pharma Road,
Atladara, Vadodara-390020
Phone- 9426074418
E-mail: ecocaresolutions@rediffmail.com

Subject: Grant of Accreditation.

Dear Sir,

This has reference to the Final assessment of your laboratory in the discipline of Chemical testing. NABL has evaluated the assessment reports and decided to grant accreditation in accordance with ISO/IEC 17025:2005 in the discipline of Chemical testing as per the scope and authorized signatories recommended by the assessment team.

Accreditation Certificate No. TC-8153 for Chemical testing with issue date 30.11.2018 valid till 29.11.2020 is in the process of preparation. Please send the soft copy of the recommended scope in MS format through e-mail.

Being an accredited laboratory of NABL, you must fulfill all the Terms and Conditions laid down in our document NABL-131. You are requested to follow NABL-133 (current issue) for using NABL symbol. The accreditation is subject to continued compliance of NABL norms during the accreditation period. You are required to contact us after 10 months for surveillance assessment.

Yours Sincerely,

Gaurav Saini
3/12/18

Gaurav Saini
Assistant Director
gaurav@nabl.qcin.org



**National Accreditation Board for
Testing and Calibration Laboratories**
(A Constituent Board of Quality Council of India)



CERTIFICATE OF ACCREDITATION

EXCEL ENVIRO TECH

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

TF-2 & FF-1, Sun House, Off. Ashram Road, Ahmedabad, Gujarat

in the field of

TESTING

Certificate Number TC-5892 (In lieu of T-3482)

Issue Date 26/08/2017



Valid Until 25/06/2019

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL

N. Venkateswaran
Program Director

Anil Relia
Chief Executive Officer

ECO-CARE SOLUTIONS

(ENVIRONMENTAL CONSULTANTS & ENGINEERS)

306-307, Dwarkesh Complex, Sun Pharma Road, Atladara, Vadodara - 390 020.
 Telefax : 0265 - 268 33 68 Mobile : 94260 74416, 94275 06362
 E-mail : ecocaresolutions@rediffmail.com, consultancy@ecocaresolutionsindia.com
 Web : www.ecocaresolutionsindia.com, www.ecocaresolutions.in

ECS



TEST REPORT

Name & Address of Customer
M/s Admark Polycoats Pvt. Ltd.
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara

Format No	TRF-02
Report No.	ECS/APPL/2019/04/03
Report Date	22.04.2019

Description of Sample	Stack Gas Emission	Lab ID Code	ECS/APPL/2019/04/03
Date of Sampling	02.04.2019	Sampling Method	IS 11255
Date of Sample Received	03.04.2019		
Sample Collected by	Mr.Hitesh	Sampling Time	--
Customer Representative	Mr Suresh Bahadur	Date of starting of test	05.04.2019
Packing / Seal	Satisfactory	Date of Completion of test	05.04.2019

RESULT TABLE

Particulars	-	Detail
Stack attached to	-	Boiler TP-201
Stack height above ground level	m	18
Stack Diameter at sampling point	mm	330
Ambient Temperature	°C	39
Stack gas temperature	°C	117
Stack gas velocity	m/s	8.43
Fuel used	-	LDO
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	4

Sr	Parameter	Unit	Result	Test Method
1	Particulate Matter	mg/Nm ³	16.46	IS 11255 (Part 1): 1985, Reaffirmed 2014
2	SO ₂	PPM	7.50	IS 11255 (Part 2): 1985, Reaffirmed 2014
3	NO ₂	PPM	15.67	IS 11255 (Part 7): 2005, Reaffirmed 2017

Note:

- The result refers only to the tested sample/s & applicable parameters received by us.
- This test report shall not be reproduced except in full, without written approval from ECS
- Samples shall be retained for 15 days from the date of analysis.
- Report cannot be used as an evidence anywhere without prior permissions.
- Mark "*" Indicates, parameter not covered under proposed NABL Scope.
- B.L.Q. Below Limit of Quantitation.



Authorised Signatory

Field Remarks:

B-2

ECO-CARE SOLUTIONS

ECS



(ENVIRONMENTAL CONSULTANTS & ENGINEERS)

306-307, Dwarkesh Complex, Sun Pharma Road, Atladara, Vadodara - 390 020.

Telefax : 0265 - 268 33 68 Mobile : 94260 74416, 94275 06362

E-mail : ecocaresolutions@rediffmail.com, consultancy@ecocaresolutionsindia.com

Web. : www.ecocaresolutionsindia.com, www.ecocaresolutions.in

TEST REPORT

Name & Address of Customer
M/s Admark Polycoats Pvt. Ltd.
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara

Format No	TRF-02
Report No.	ECS/APPL/2019/04/04
Report Date	22.04.2019

Description of Sample	Stack Gas Emission	Lab ID Code	ECS/APPL/2019/04/04
Date of Sampling	02.04.2019	Sampling Method	IS 11255
Date of Sample Received	03.04.2019	Sampling Time	--
Sample Collected by	Mr.Hitesh	Date of starting of test	05.04.2019
Customer Representative	Mr Suresh Bahadur	Date of Completion of test	05.04.2019
Packing / Seal	Satisfactory		

RESULT TABLE

Particulars	-	Detail
Stack attached to	-	Boiler TP-202
Stack height above ground level	m	18
Stack Diameter at sampling point	mm	300
Ambient Temperature	°C	38
Stack gas temperature	°C	113
Stack gas velocity	m/s	8.27
Fuel used	-	LDO
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	4

Sr	Parameter	Unit	Result	Test Method
1	Particulate Matter	mg/Nm ³	18.91	IS 11255 (Part 1): 1985, Reaffirmed 2014
2	SO ₂	PPM	6.41	IS 11255 (Part 2): 1985, Reaffirmed 2014
3	NO ₂	PPM	23.43	IS 11255 (Part 7): 2005, Reaffirmed 2017

Note:

1. The result refers only to the tested sample/s & applicable parameters received by us.
2. This test report shall not be reproduced except in full, without written approval from ECS
3. Samples shall be retained for 15 days from the date of analysis.
4. Report cannot be used as an evidence anywhere without prior permissions.
5. Mark "B.L.Q." Indicates, parameter not covered under proposed NABL Scope.
6. B.L.Q. Below Limit of Quantitation.



Authorised Signatory

Field Remarks:

ECO-CARE SOLUTIONS

ECS



(ENVIRONMENTAL CONSULTANTS & ENGINEERS)

306-307, Dwarkesh Complex, Sun Pharma Road, Atladara, Vadodara - 390 020.

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E-mail : ecocaresolutions@rediffmail.com, consultancy@ecocaresolutionsindia.com

Web. : www.ecocaresolutionsindia.com, www.ecocaresolutions.in

TEST REPORT

Name & Address of Customer
M/s Admark Polycoats Pvt. Ltd.
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara

Format No	TRF-02
Report No.	ECS/APPL/2019/04/05
Report Date	22.04.2019

Description of Sample	Stack Gas Emission	Lab ID Code	ECS/APPL/2019/04/05
Date of Sampling	02.04.2019	Sampling Method	IS 11255
Date of Sample Received	03.04.2019		
Sample Collected by	Mr.Hitesh	Sampling Time	--
Customer Representative	Mr Suresh Bahadur	Date of starting of test	05.04.2019
Packing / Seal	Satisfactory	Date of Completion of test	05.04.2019

RESULT TABLE

Particulars	-	Detail
Stack attached to	-	D.G Set 320 KVA
Stack height above ground level	m	15
Stack Diameter at sampling point	m	200
Ambient Temperature	^o C	39
Stack gas temperature	^o C	102
Stack gas velocity	m/s	9.70
Fuel used	-	HSD
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	4

Sr	Parameter	Unit	Result	Test Method
1	Particulate Matter	mg/Nm ³	16.74	IS 11255 (Part 1): 1985, Reaffirmed 2014
2	SO ₂	PPM	11.79	IS 11255 (Part 2): 1985, Reaffirmed 2014
3	NO ₂	PPM	15.67	IS 11255 (Part 7): 2005, Reaffirmed 2017

Note:

- The result refers only to the tested sample/s & applicable parameters received by us.
- This test report shall not be reproduced except in full, without written approval from ECS
- Samples shall be retained for 15 days from the date of analysis.
- Report cannot be used as an evidence anywhere without prior permissions.
- NA indicates, parameter not covered under proposed NABL Scope.
- B.L.Q. Below Limit of Quantitation.

Authorised Signatory
Field Remarks:

B-4

ECO-CARE SOLUTIONS

ECS



(ENVIRONMENTAL CONSULTANTS & ENGINEERS)

306-307, Dwarkesh Complex, Sun Pharma Road, Atladara, Vadodara - 390 020.

Telefax : 0265 - 268 33 68 Mobile : 94260 74416, 94275 06362

E-mail : ecocaresolutions@rediffmail.com, consultancy@ecocaresolutionsindia.com

Web. : www.ecocaresolutionsindia.com, www.ecocaresolutions.in

TEST REPORT

Name & Address of Customer
M/s. Admark Polycoats Pvt. Ltd.
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara

Format No.	TRF-02
Report No.	ECS/SA/2019/6/1877
Report Date	03.07.2019

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2019/6/1877
Date of Sampling	28.06.2019	Sampling Method	IS 11255
Date of Sample Received	28.06.2019	Sampling Time	--
Sample Collected by	Mr.Hitesh	Date of starting of test	01.07.2019
Customer Representative	Mr.Suresh Bahadur	Date of Completion of test	02.07.2019
Packing / Seal	Sealed		

RESULT TABLE

Particulars	-	Detail
Stack attached to	-	D.G.Set (320 KVA)
Stack height above ground level	m	5
Stack Diameter at sampling point	mm	200
Ambient Temperature	°C	36
Stack gas temperature	°C	106
Stack gas velocity	m/s	9.28
Fuel used	-	HSD
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms As Per GPCB	Test Method
1	Particulate Matter	mg/Nm ³	18.81	150	IS 11255 (Part 1): 1985, Reaffirmed 2014
2	SO ₂	ppm	7.15	100	IS 11255 (Part 2): 1985, Reaffirmed 2014
3	NO ₂	ppm	15.52	50	IS 11255 (Part 7): 2005, Reaffirmed 2017

.....End of Test Report.....

Note:

- The result refers only to the tested sample/s & applicable parameters received by us.
- This test report shall not be reproduced except in full, without written approval from ECS
- Samples shall be retained for 15 days from the date of analysis.



- Report cannot be used as an evidence anywhere without prior permissions.
- Mark "*" Indicates, parameter not covered under proposed NABL Scope.
- B.L.Q. - Below Limit of Quantitation.

Authorised Signatory (TM/QM)

Field Remarks:

ECO-CARE SOLUTIONS

(ENVIRONMENTAL CONSULTANTS & ENGINEERS)

306-307, Dwarkesh Complex, Sun Pharma Road, Atladara, Vadodara - 390 020.
Telefax : 0265 - 268 33 68 Mobile : 94260 74416, 94275 06362
E-mail : ecocaresolutions@rediffmail.com, consultancy@ecocaresolutionsindia.com
Web. : www.ecocaresolutionsindia.com, www.ecocaresolutions.in

B-4
ECS



TEST REPORT

Name & Address of Customer	Format No	TRF-02
M/s. Admark Polycoats Pvt. Ltd.	Report No.	ECS/SA/2019/6/1878
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara	Report Date	03.07.2019

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2019/6/1878
Date of Sampling	28.06.2019	Sampling Method	IS 11255
Date of Sample Received	28.06.2019	Sampling Time	--
Sample Collected by	Mr.Hitesh	Date of starting of test	01.07.2019
Customer Representative	Mr.Suresh Bahadur	Date of Completion of test	02.07.2019
Packing / Seal	Sealed		

RESULT TABLE

Particulars	-	Detail
Stack attached to	-	Boiler TP-201
Stack height above ground level	m	18
Stack Diameter at sampling point	mm	330
Ambient Temperature	°C	37
Stack gas temperature	°C	116
Stack gas velocity	m/s	6.59
Fuel used	-	LDO
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms As Per GPCB	Test Method
1	Particulate Matter	mg/Nm ³	16.13	150	IS 11255 (Part 1): 1985, Reaffirmed 2014
2	SO ₂	ppm	5.64	100	IS 11255 (Part 2): 1985, Reaffirmed 2014
3	NO ₂	ppm	15.43	50	IS 11255 (Part 7): 2005, Reaffirmed 2017

.....End of Test Report.....

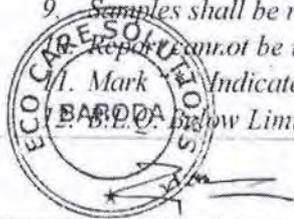
Note:

- The result refers only to the tested sample/s & applicable parameters received by us.
- This test report shall not be reproduced except in full, without written approval from ECS
- Samples shall be retained for 15 days from the date of analysis.

Report cannot be used as an evidence anywhere without prior permissions.

1. Mark indicates, parameter not covered under proposed NABL Scope.

2. B.B.O. Below Limit of Quantitation.



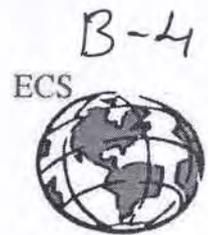
Authorised Signatory (TM/QM)

Field Remarks:

ECO-CARE SOLUTIONS

(ENVIRONMENTAL CONSULTANTS & ENGINEERS)

306-307, Dwarkesh Complex, Sun Pharma Road, Atladara, Vadodara - 390 020.
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E-mail : ecocaresolutions@rediffmail.com, consultancy@ecocaresolutionsindia.com
Web. : www.ecocaresolutionsindia.com, www.ecocaresolutions.in



TEST REPORT

Name & Address of Customer
M/s. Admark Polycoats Pvt. Ltd.
Survey No. 207, Vili: Luna, Ta: Padra, Di: Vadodara

Format No	TRF-02
Report No.	ECS/SA/2019/6/1879
Report Date	03.07.2019

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2019/6/1879
Date of Sampling	28.06.2019	Sampling Method	IS 11255
Date of Sample Received	28.06.2019		
Sample Collected by	Mr.Hitesh	Sampling Time	--
Customer Representative	Mr.Suresh Bahadur	Date of starting of test	01.07.2019
Packing / Seal	Sealed	Date of Completion of test	02.07.2019

RESULT TABLE

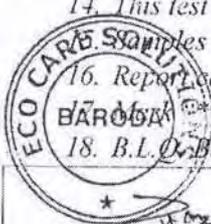
Particulars	-	Detail
Stack attached to	-	Boiler TP-202
Stack height above ground level	m	18
Stack Diameter at sampling point	mm	300
Ambient Temperature	⁰ C	34
Stack gas temperature	⁰ C	119
Stack gas velocity	m/s	6.26
Fuel used	-	LDO
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms As Per GPCB	Test Method
1	Particulate Matter	mg/Nm ³	17.75	150	IS 11255 (Part 1): 1985, Reaffirmed 2014
2	SO ₂	ppm	12.18	100	IS 11255 (Part 2): 1985, Reaffirmed 2014
3	NO ₂	ppm	15.43	50	IS 11255 (Part 7): 2005, Reaffirmed 2017

.....End of Test Report.....

Note:

- The result refers only to the tested sample/s & applicable parameters received by us.
- This test report shall not be reproduced except in full, without written approval from ECS
- Samples shall be retained for 15 days from the date of analysis.
- Report cannot be used as an evidence anywhere without prior permissions.
- "*" Indicates, parameter not covered under proposed NABL Scope.
- B.L.Q. Below Limit of Quantitation.



Authorised Signatory (TM/QM)

Field Remarks:

ECO-CARE SOLUTIONS

(ENVIRONMENTAL CONSULTANTS & ENGINEERS)

306-307, DWARKESH COMPLEX, SUN-PHARMA ROAD, ATLADARA, VADODARA - 390012.
 TELEFAX: 0265 2961525, MOBILE 94260 74416, 9427506362



FORM-37

(Prescribe under Rule -12B of Factory Act)

Register containing particulars of Monitoring of Work Environment Required under Section 7-A (2)(E)

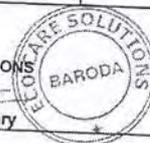
- 1 Name of the Department/Plant : M/s. Admark Polycoats Pvt. Ltd.
- 2 Address : Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara
- 3 Raw Materials Involved/ By products : Xylene, Kardanol, EDA, Para Formaldehyde/Water
- 4 Finished Products : Hardener
- 3 Particulars of Sampling : 02.04.2019

Sr. No.	Location/Operation Monitored	Identified Contaminant	Sampling Instruments Used	Air Borne Contamination		Average mg/m ³	TWA concentration (As given in	Reference Method	No. Of Workers Exposed at the location	Remarks	Signature of Person Taking Sample	Name (in block letters)
				No. of Sample	Range							
1	Between Reactor 5 & 6 (First Floor)	Xylene	Handy Air Sampler	1	-	2.4	435 mg/m ³	Std. Methods	3	Within Limits		Mr Sudhir Patel
2	Between Reactor 5 & 6 (First Floor)	VOC as EDA		1	-	3.1	25 mg/m ³		3			
3	Nr. Reactor 10 (Ground Floor)	Xylene		1	-	3.8	435 mg/m ³		4			
4	Nr. Reactor 10 (Ground Floor)	VOC as EDA		1	-	3.3	25 mg/m ³		4			

Date: 22.04.2019

for ECO-CARE SOLUTIONS

Authorised Signatory



ECO-CARE SOLUTIONS

(ENVIRONMENTAL CONSULTANTS & ENGINEERS)

306-307, DWARKESH COMPLEX, SUN-PHARMA ROAD, ATADARA, VADODARA - 390012.

TELEFAX: 0265 2961525, MOBILE 94260 74416, 9427506362

**FORM-37**

(Prescribe under Rule -12B of Factory Act)

Register containing particulars of Monitoring of Work Environment Required under Section 7-A (2)(E)

- 1 Name of the Department/Plant : M/s. Admark Polycoats Pvt. Ltd.
 2 Address : Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara
 3 Raw Materials Involved/ By products : Xylene, Kardanol, EDA, Para Formaldehyde/Water
 4 Finished Products : Hardener
 3 Particulars of Sampling : 28.06.2019

Sr. No.	Location/Operation Monitored	Identified Contaminant	Sampling Instruments Used	Air Borne Contamination		Average mg/m ³	TWA concentration (As given in	Reference Method	No. Of Workers Exposed at the location	Remarks	Signature of Person Taking Sample	Name (in block letters)
				No. of Sample	Range							
1	2	3	4	4	5	6	8	9	10	11	12	13
1	Between Reactor 5 & 6 (First Floor)	Xylene	Handy Air Sampler	1	-	2.6	435 mg/m ³	Std. Methods	3	Within Limits		Mr Sudhir Patel
2	Between Reactor 5 & 6 (First Floor)	VOC as EDA		1	-	2.8	25 mg/m ³		3			
3	Nr. Reactor 10 (Ground Floor)	Xylene		1	-	3.5	435 mg/m ³		4			
4	Nr. Reactor 10 (Ground Floor)	VOC as EDA		1	-	3.1	25 mg/m ³		4			

Date: 03.07.2019

for ECO-CARE SOLUTIONS

Authorised Signatory



F. No.J-11011/15/2016- IAll (I)
 Government of India
 Ministry of Environment, Forest and Climate Change
 (IA-II Division)

Indira Paryavaran Bhawan
 Jor Bagh Road, N Delhi - 3
 Dated: 8th January, 2019

✓ To,

M/s Admark Polycoats Pvt Ltd
 Sy. Nos.206 & 207, Village Luna,
 Taluka Padra,
 District **Vadodara** (Gujarat)

Sub: Expansion of Epoxy Hardeners manufacturing unit by M/s Admark Polycoats Pvt Ltd at Sy. Nos. 206 & 207, Village Luna, Taluka Padra, District Vadodara (Gujarat) - Environmental Clearance - reg.

Ref: Online proposal No. IA/GJ/IND2/35855/2015 dated 13th July, 2017.

Sir,

This has reference to your online proposal No.IA/GJ/IND2/35855/2015 dated 13th July, 2017 for environmental clearance to the above project, along with the documents including Form-1, Terms of Reference (ToR), EIA/EMP report containing public hearing proceedings/details.

2. The Ministry of Environment, Forest and Climate Change has considered the proposal for environmental clearance to the project for expansion of epoxy hardeners manufacturing unit from 1000 TPM to 2000 TPM by M/s Admark Polycoats Pvt Ltd in the existing premises of area 14215 sqm at Sy. Nos.206 & 207, Village Luna, Taluka Padra, District Vadodara (Gujarat).

3. Existing land area is 14,215 sqm and no additional land shall be required for proposed expansion. Green belt has already developed in 5010 sqm, out of total area of the project. The estimated project cost is Rs.250 Lacs. Total capital cost earmarked towards environmental pollution control measures is Rs.35 Lacs and the recurring cost (operation & maintenance) will be about Rs.5 Lacs per annum.

4. There are No National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc within 10 km. River Mahisagar flows at a distance of 4.6 km in North-West direction.

5. Total fresh water requirement is estimated to be 41 cum/day, proposed to be met from the existing bore well. Permission for the same has obtained from CGWA vide letter dated 16th May, 2018.

Total effluent generated from different industrial operations is estimated to be 11.8 cum/day. Effluent of 7.8 cum/day will be sent for amine recovery, 1.4 KLD to the CETP for further treatment and the remaining effluent of 2.6 KLD will be recycled after treatment.

Power requirement after expansion will be 300 kVA which is proposed to be sourced through Gujarat Electricity Board (GEB). There shall be no requirement of additional DG set other than the existing DG set of 320 kVA.

SBL

6. Details of solid/hazardous waste generation and its management are as under:-

S. No.	Waste	Quantity (Per Annum)		Disposal
		Consented	Ultimate	
1	Used Oil	250 L	500 L	Collection, storage and sale to registered recyclers or re-users.
2	Polymerized Solid Waste	5 MT	15 MT	To Common Hazardous Waste Incineration facility of NECL.
3	Discarded Containers	2000 nos.	400 MT	Sent to registered/ authorized recyclers - M/s Maruti Enterprise.

7. The project/activity is covered under category A of item 5(f) 'Synthetic Organic Chemicals' of the Schedule to Environmental Impact Assessment Notification, 2006, and requires appraisal/approval at Central level in the Ministry.

8. The ToR for the project was granted on 31st March, 2016, and the public hearing was conducted by Gujarat Pollution Control Board on 19th April, 2017.

9. The proposal was considered by the sectoral Expert Appraisal Committee (Industry-2) in its meetings held during 28-29 August, 2017, 26-28 February, 2018 & 29-31 October, 2018. The project proponent and their accredited consultant M/s Ramans Enviro Services Pvt Ltd presented the EIA/EMP report. The Committee found the EIA/EMP report to be satisfactory, complying with the ToR, and recommended the project for grant of environmental clearance.

10. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), the Ministry of Environment, Forest and Climate change hereby accords environmental clearance to the project for **expansion of epoxy hardeners manufacturing unit from 1000 TPM to 2000 TPM** by M/s Admark Polycoats Pvt Ltd at Sy. Nos.206 & 207, Village Luna, Taluka Padra, District Vadodara (Gujarat), under the provisions of the EIA Notification, 2006, subject to the compliance of terms and conditions as below:-

(a) Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.

(b) Effluent of 7.8 cum/day shall be sent for amine recovery and 1.4 cum/day to the CETP.

(c) Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.

(d) National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010, amended from time to time, shall be followed.

(e) To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

(f) Solvent management shall be carried out as follows:

(i) Reactor shall be connected to chilled brine condenser system.

- (ii) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.
 - (iii) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery.
 - (iv) Solvents shall be stored in a separate space specified with all safety measures.
 - (v) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
 - (vi) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
 - (vii) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
- (g) Total fresh water requirement shall not exceed 41 cum/day to be met from borewell. Prior permission in this regard shall be obtained from the concerned regulatory authority/CGWA.
- (h) Industrial/trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (agitated thin film drier). Low TDS effluent stream shall be treated in ETP/RO to meet the prescribed standards.
- (i) Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water shall be collected and discharged through a separate conveyance system.
- (j) Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer through pumps.
- (k) Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
- (l) The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
- (m) Fly ash should be stored separately as per CPCB guidelines so that it may not adversely affect the air quality. Direct exposure of workers to fly ash and dust should be avoided.
- (n) The company shall undertake waste minimization measures as below:-
- (i) Metering and control of quantities of active ingredients to minimize waste.
 - (ii) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - (iii) Use of automated filling to minimize spillage.
 - (iv) Use of Close Feed system into batch reactors.
 - (v) Venting equipment through vapour recovery system.
 - (vi) Use of high pressure hoses for equipment clearing to reduce wastewater generation.
- (o) The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.
- (p) At least 1% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.

(q) For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.

(r) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.

(s) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

(t) Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.

10.1 The grant of Environmental Clearance is further subject to compliance of other generic conditions as under:-

(i) The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and/ or any other statutory authority.

(ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

(iii) The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.

(iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

(v) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

(vi) The Company shall harvest rainwater from the roof tops of the buildings to recharge ground water, and to utilize the same for different industrial operations within the plant.

(vii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.

(viii) The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing shall be implemented.

cd

(ix) The company shall undertake all measures for improving socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villagers, administration and other stake holders. Also eco-developmental measures shall be undertaken for overall improvement of the environment.

(x) A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

(xi) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.

(xii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.

(xiii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.

(xiv) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional offices of MoEF&CC by e-mail.

(xv) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://moef.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional office of the Ministry.

11. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

12. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991, read with subsequent amendments therein.

SKJ
8/11/2019
(S. K. Srivastava)
Scientist E

B-6

Copy to: -

1. The Principal Secretary, Forests & Environment Department, Government of Gujarat, Sachivalaya, 8th Floor, **Gandhi Nagar** - 382 010 (Gujarat)
2. The Additional Principal Chief Conservator of Forests (Western Zone), MoEF&CC, Regional Office, E-5, Arera Colony, Link Road -3, Ravishankar Nagar, **Bhopal** - 462 016 (MP)
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, **Delhi** -32
4. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhawan, Sector 10 A, **Gandhi Nagar**-382 043 (Gujarat)
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, **New Delhi**
6. Guard File/Monitoring File/Record File

SKJ
8/11/2019
(S. K. Srivastava)
Scientist E

B-6

F. No. J-11011/15/2016-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(IA- II Section)

Indira Paryavaran Bhawan
Jorbagh Road, New Delhi - 3

Dated: 17th June, 2019

To

M/s Admark Polycoats Pvt Ltd
Sy.Nos.206 & 207, Village Luna
District Vadodara - 391 440 (Gujarat)

Sub: Expansion of Epoxy Hardeners Manufacturing Unit at Sy.Nos.206 & 207, Village Luna, Taluka Padra, District Vadodara(Gujarat) by M/s Admark Polycoats Pvt Ltd - Amendment in Environmental Clearance - reg.

Sir,

This has reference to your proposal No.IA/GJ/IND2/35855/2015 dated 31st January, 2019 on the subject matter.

2. The Ministry has granted environmental clearance vide letter dated 8th January, 2019 in favour of M/s Admark Polycoats Pvt Ltd to the project for expansion of epoxy hardeners manufacturing unit from 1000 TPM to 2000 TPM located at Sy.Nos.206 & 207, Village Luna, Taluka Padra, District Vadodara (Gujarat).

3. Now, amendment in the said environmental clearance has been sought mainly in respect of effluent treatment, reactor, solvent storage tanks and online monitoring system.

4. The proposal for amendment in environmental clearance was considered by the Expert Appraisal Committee (Industry-2) in its meeting held on 8-9 April, 2019 in the Ministry. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords approval for amendment in the environmental clearance dated 8th January, 2019, with the details as under:-

(i) **Para 5, 10(b) & 10(h)** to be read as:-

'.....Total effluent generation will be 11.8 cum/day. Effluent of 7.2 cum/day will be sent for amine recovery and 1.4 cum/day will be sent to CETP for further treatment. Remaining sewage of 3.2 cum/day will be disposed through septic tank/soak pit system.....'

(ii) **Para 10(f)(i)** to be read as:

'Reactor shall be connected to cooling water condenser system.'

(iii) **Para 10(t)** to be read as:-

'Continuous online (24X7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutant concentration, as per the directions of CPCB/SPCB in this regard and as applicable to the project, and the data to be transmitted to CPCB and SPCB server.'

stl

B-6

5. All other terms and conditions stipulated in the environmental clearance dated 8th January, 2019 shall remain unchanged.


17/6/2019
(S. K. Srivastava)
Scientist E

Copy to:-

1. The Additional DG(C), MoEF&CC Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal -16
2. The Secretary, Forests and Environment Department, Government of Gujarat, Block 14, 8th Floor, Sachivalaya, Gandhinagar (Gujarat) -10
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar (Gujarat) - 10
5. Guard File/Monitoring File/Website/Record File

ECO-CARE SOLUTIONS

ECS



(ENVIRONMENTAL CONSULTANTS & ENGINEERS)

306-307, Dwarkesh Complex, Sun Pharma Road, Atladara, Vadodara - 390 020.

Telefax : 0265 - 268 33 68 Mobile : 94260 74416. 94275 06362

E-mail : ecocaresolutions@rediffmail.com, consultancy@ecocaresolutionsindia.com

Web : www.ecocaresolutionsindia.com, www.ecocaresolutions.in

TEST REPORT

Name & Address of Customer
M/s Admark Polycoats Pvt. Ltd.
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara

Format No	TRF-03
Report No.	ECS/APPL/2019/04/01
Report Date	22.04.2019

Description of Sample	Ambient Air Quality	Lab ID Code	ECS/APPL/2019/04/01
Date of Sampling	02.04.2019	Sampling Method	IS 5182
Date of Sample Received	03.04.2019	Sampling Time	--
Sample Collected by	Mr.Hitesh	Date of starting of test	05.04.2019
Customer Representative	Mr Suresh Bahadur	Date of Completion of test	05.04.2019
Packing / Seal	Satisfactory		

RESULT TABLE

Sampling Location	Nr. Main Gate
Sampling Height	3.5 m
Meteorological Data / Environmental Conditions	
Ambient Temperature, °C	35.1
Humidity, %	756.4
Barometric Pressure, mm Hg	44

Sr	Parameter	Unit	Result	Prescribed Norms As Per GPCB	Test Method
1	Particulate Matter -2.5, PM _{2.5}	µg/m ³	20.10	60	LAB-SOP-03 Issue No: -01 Issue Date: - 15.05.2018
2	Particulate Matter -10, PM ₁₀	µg/m ³	43.43	100	IS 5182 (Part - 23) - 2006 Reaffirmed 2017
3	SO ₂	µg/m ³	3.78	80	IS 5182 (Part - 2) - 2001 Reaffirmed 2017
4	NO ₂	µg/m ³	29.64	80	IS 5182 (Part - 6) - 2006 Reaffirmed 2017

.....End of Test Report.....

Note:

- The result refers only to the tested sample/s & applicable parameters received by us.
- This test report shall not be reproduced except in full, without written approval from ECS.
- Samples shall be retained for 15 days from the date of analysis.
- Report cannot be used as an evidence anywhere without prior permissions.
- Mark "*" Indicates, parameter not covered under proposed NABL Scope.
- Below Limit of Quantitation.



Authorised Signatory

Field Remarks:

ECO-CARE SOLUTIONS

(ENVIRONMENTAL CONSULTANTS & ENGINEERS)

306-307, Dwarkesh Complex, Sun Pharna Road, Atladara, Vadodara - 390 020.
 Telefax : 0265 - 268 33 68 Mobile : 94260 74416, 94275 06362
 E-mail : ecocaresolutions@rediffmail.com, consultancy@ecocaresolutionsindia.com
 Web. : www.ecocaresolutionsindia.com, www.ecocaresolutions.in

ECS



TEST REPORT

Name & Address of Customer		Format No	TRF-03
M/s Admark Polycoats Pvt. Ltd.		Report No.	ECS/APPL/2019/04/02
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara		Report Date	22.04.2019

Description of Sample	Ambient Air Quality	Lab ID Code	ECS/APPL/2019/04/02
Date of Sampling	02.04.2019	Sampling Method	IS 5182
Date of Sample Received	03.04.2019		
Sample Collected by	Mr.Hitesh	Sampling Time	--
Customer Representative	Mr Suresh Bahadur	Date of starting of test	05.04.2019
Packing / Seal	Satisfactory	Date of Completion of test	05.04.2019

RESULT TABLE

Sampling Location	Nr. Weight Bridge
Sampling Height	3.5 m
Meteorological Data / Environmental Conditions	
Ambient Temperature, °C	35.1
Humidity, %	44
Barometric Pressure, mm Hg	756.4

Sr	Parameter	Unit	Result	Prescribed Norms As Per GPCB	Test Method
1	Particulate Matter -2.5, PM _{2.5}	µg/m ³	23.82	60	LAB-SOP-03 Issue No: -01 Issue Date: - 15.05.2018
2	Particulate Matter -10, PM ₁₀	µg/m ³	32.99	100	IS 5182 (Part - 23) - 2006 Reaffirmed 2017
3	SO ₂	µg/m ³	3.03	80	IS 5182 (Part - 2) - 2001 Reaffirmed 2017
4	NO ₂	µg/m ³	26.08	80	IS 5182 (Part - 6) - 2006 Reaffirmed 2017
.....End of Test Report.....					

Note:

1. The result refers only to the tested sample/s & applicable parameters received by us.
 2. This test report shall not be reproduced except in full, without written approval from ECS.
 3. Samples shall be retained for 15 days from the date of analysis.
- Mark "X" indicates, parameter not covered under proposed NABL Scope.
 B.B.O. Below Limit of Quantitation.



Authorised Signatory

Field Remarks:

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 Web. : www.ecocaresolutionsindia.com, www.ecocaresolutions.in

ECS



TEST REPORT

Name & Address of Customer	Format No	TRF-03
M/s. Admark Polycoats Pvt. Ltd.	Report No.	ECS/AA/2019/6/1875
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara	Report Date	03.07.2019

Description of Sample	Ambient Air	Lab ID Code	ECS/AA/2019/6/1875
Date of Sampling	28.06.2019	Sampling Method	IS 5182
Date of Sample Received	28.06.2019		
Sample Collected by	Mr.Hitesh	Sampling Time	24 Hrs
Customer Representative	Mr.Suresh Bahadur	Date of starting of test	01.07.2019
Packing / Seal	Sealed	Date of Completion of test	02.07.2019

RESULT TABLE

Sampling Location	Nr.Main Gate
Sampling Height	3.5 m
Meteorological Data / Environmental Conditions	
Ambient Temperature, °C	35.1
Humidity, %	--
Barometric Pressure, mm Hg	754.4

Sr	Parameter	Unit	Result	Prescribed Norms As Per GPCB	Test Method
1	Particulate Matter -2.5, PM _{2.5}	µg/m ³	19.89	60	LAB-SOP-03 Issue No: -01 Issue Date: - 15.05.2018
2	Particulate Matter -10, PM ₁₀	µg/m ³	41.91	100	IS 5182 (Part - 23) - 2006 Reaffirmed 2017
3	SO ₂	µg/m ³	<5	80	IS 5182 (Part - 2) - 2001 Reaffirmed 2017
4	NO ₂	µg/m ³	~30.43	80	IS 5182 (Part - 6) - 2006 Reaffirmed 2017

.....End of Test Report.....

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- Mark "*" Indicates, parameter not covered under proposed NABL Scope.
- Below Limit of Quantitation.



Authorised Signatory (TM/QM)

Field Remarks:

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306-307, Dwarkesh Complex, Sun Pharma Road, Atladara, Vadodara - 390 020.

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Web. : www.ecocaresolutionsindia.com, www.ecocaresolutions.in

TEST REPORT

Name & Address of Customer
M/s. Admark Polycoats Pvt. Ltd.
Survey No. 207. Vill: Luna. Ta: Padra, Di: Vadodara

Format No	TRF-03
Report No.	ECS/AA/2019/6/1876
Report Date	03.07.2019

Description of Sample	Ambient Air	Lab ID Code	ECS/AA/2019/6/1876
Date of Sampling	28.06.2019	Sampling Method	IS 5182
Date of Sample Received	28.06.2019		
Sample Collected by	Mr.Hitesh	Sampling Time	24 Hrs
Customer Representative	Mr.Suresh Bahadur	Date of starting of test	01.07.2019
Packing / Seal	Sealed	Date of Completion of test	02.07.2019

RESULT TABLE

Sampling Location	Nr.Weigh Bridge
Sampling Height	3.5 m
Meteorological Data / Environmental Conditions	
Ambient Temperature, °C	35.1
Humidity, %	--
Barometric Pressure, mm Hg	754.4

Sr	Parameter	Unit	Result	Prescribed Norms As Per GPCB	Test Method
1	Particulate Matter -2.5, PM _{2.5}	µg/m ³	20.67	60	LAB-SOP-03 Issue No: -01 Issue Date: - 15.05.2018
2	Particulate Matter -10, PM ₁₀	µg/m ³	33.60	100	IS 5182 (Part - 23) - 2006 Reaffirmed 2017
3	SO ₂	µg/m ³	<5	80	IS 5182 (Part - 2) - 2001 Reaffirmed 2017
4	NO ₂	µg/m ³	25.29	80	IS 5182 (Part - 6) - 2006 Reaffirmed 2017

.....End of Test Report.....

Note:

7. The result refers only to the tested sample/s & applicable parameters received by us.
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12. B.L. Below Limit of Quantitation.



Authorised Signatory (TM/QM)

Field Remarks:

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ENVIRONMENTAL MONITORING REPORT

LABORATORY REPORT- Noise

Doc No:ECS/AR/N	Issue No :01	Issue Date :19/4/2014
	Revision No :	Revision Date:

1.	Name of Industry : M/s. Admark Polycoats Pvt Ltd
2.	Address : Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara

Sampling Date	02.04.2019
Sampling Time	Day time: 6:00AM to 10:00 PM, Night time: 10:00 PM to 6:00AM
Reporting Date	22.04.2019

Ambient Noise level Data Sheet

Sr. No.	Location	Day Time Noise Level dB(A)	Night Time Noise Level
1	Near Main Gate	64.4	50.7
2	Near Security cabin	60.3	51.4
3	Near ADM Office	54.4	48.3
4	Near Q.C Lab	56.7	51.8
5	Near R&D Lab	57.1	54.1
6	Near Utility Area	69.1	64.9
7	Near Production Plant (Ground Floor)	67.1	59.2
8	Near Production Plant (First Floor)	68.9	55.1
9	Near Ware House	65.7	55.7
10	Near Storage Area	62.5	54.3
11	Near D.G Set -320KVA	73.4	53.3

Permissible Limits Specified by GPCB: Day Time: 75 dBA, Night Time: 70 dBA

Day Time: 6.00 am to 10.00 pm Night Time: 10.00 pm to 6.00 am

Factories Act Noise Level: 90dB(A)

Recorded by : Sanjay Patel

Approved by :



Note :

1. Reports may be reproduced if required ,only with the written approval of the laboratory.
2. Re analysis of sample will be done if requested within 7 days from the date of reporting of sample if they are not consumed during analysis.

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ECS



ENVIRONMENTAL MONITORING REPORT

LABORATORY REPORT- Noise

Doc No: ECS/AR/N	Issue No :01	Issue Date :19/4/2014
	Revision No :	Revision Date:

1.	Name of Industry : M/s. Admark Polycoats Pvt Ltd
2.	Address : Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara

Sampling Date	28.06.2019
Sampling Time	Day time: 6:00AM to 10:00 PM, Night time: 10:00 PM to 6:00AM
Reporting Date	03.07.2019

Ambient Noise level Data Sheet

Sr. No.	Location	Day Time Noise Level dB(A)	Night Time Noise Level
1	Near Main Gate	59.9	62.3
2	Near Security cabin	57.4	56.5
3	Near ADM Office	55.1	53.7
4	Near Q.C Lab	58.4	57.1
5	Near R&D Lab	61.1	59.2
6	Near Utility Area	71.1	72.3
7	Near Production Plant (Ground Floor)	69.8	66.7
8	Near Production Plant (First Floor)	71.1	64.4
9	Near Ware House	65.1	61.1
10	Near Storage Area	62.4	58.4
11	Near D.G Set -320KVA	74.3	73.3

Permissible Limits Specified by GPCB: Day Time: 75 dBA, Night Time: 70 dBA

Day Time: 6.00 am to 10.00 pm Night Time: 10.00 pm to 6.00 am

Factories Act Noise Level : 90 dB (A)

Recorded by : Sanjay Patel

Approved by :



Note :

1. Reports may be reproduced if required, only with the written approval of the laboratory.
2. Re analysis of sample will be done if requested within 7 days from the date of reporting of sample if they are not consumed during analysis.

1 કોઈ કારીગર નો રજી. અનુ. નં.: 59
 Sr. No. Reg. of Adult workers :

FORM No. 32 Health Register (Prescribed under Rule 65-T and 102)

Yugadharm

2 કારીગરનું નામ: Gautami M. Bhatt
 Name of worker :

ફોર્મ નં. 32 આરોગ્ય રજીસ્ટર (નિયમ 65-ટી અને 102 હેઠળ રાખેલ)

MAHESH'S POLE, BARODA © 425609
 FOR BHILAGHODA, BARODA © 343130

3 લિંગ: F 4 જન્મ તારીખ: 18/5/78
 Sex: Date of Birth

Dr. N.S. BHIMNATHWALA
 M.B.B.S. C.I.H.
 Rgs. No.: 18314
ANKUR CLINIC

વિભાગ / કારી Department / work	વેપરની કારીનું નામ Name of Hazardous processes	વેપરનું કારીનું નામ Dangerous processes operation	કારીનું પ્રકાર Nature of Job of occupation	નવો સામગ્રી અથવા અન્ય પેદાશનું કારીનું નામ New materials Products or by products likely to be exposed to	નિમણૂક તારીખ Date of posting	કારી છોડવા અથવા કારી તારીખ Date of leaving / transfer to or transfer	નોંધણી કારી અથવા કારી તારીખ Reasons for discharge / Leaving or transfer	વૈદકીય તપાસ અને પરિણામ Medical examination and the results thereof				જનરેલ સ્થિતિ અને કારી General Status and work				વેદીકાર / સર્જક સહી Signature with Seal of the Factory Medical Officer/ the Certifying Surgeon		
								તારીખ Date	વેપરનું કારીનું નામ Name of Hazardous Processes Signs and symptoms observed during examination	વેપરનું કારીનું નામ Name of Hazardous Processes Nature of Injury Share of	વેપર / કારી તારીખ Period of temporary withdrawal from that work	વેપર તારીખ Reason for such withdrawal	વેપર તારીખ Date of declaring him unfit for that work	વેપર તારીખ Date of issuing fitness certificates				
								15/11/12	કારી	કારી	કારી							
								13/12/12	કારી	કારી	કારી							
								15/11/12	કારી	કારી	કારી							
								12/11/12	કારી	કારી	કારી							
								10/11/12	કારી	કારી	કારી							

FORM V

(see Rule 14)

From:

Admark Polycoats Pvt. Ltd. (PCB ID: 21562)Sr. No. 206 & 207, Village Luna,
Taluka Padra,
District Vadodara

To:

Gujarat Pollution Control Board
'Paryavaran Bhavan', Sector - 10A,
Gandhinagar - 382 010**Environmental statement** for the financial year ending on the 31st March, 2019.**PART A**

- (i) Name and address of the owner/occupier of the industry, operation or process : **Mr. K.N. Aras (CEO)**
Admark Polycoats Pvt. Ltd.
S. No. 206 & 207, Village - Luna,
Taluka Padra, Dist. Vadodara
- (ii) Industry Category - : **Orange - Medium**
Primary - (STC Code)
Secondary - (STC Code)
- (iii) Production Capacity Units : **Epoxy Hardener - 1000 MT/month**
- (iv) Year of Establishment : **28/03/2000**
- (v) Date of the last Environmental Statement submitted : **21/05/2018**

Submission of Environmental Statement is in accordance with the provisions of Rule - 14 of the Environment (Protection). Amendment Rules, 12993 of the Environment (Protection) Act, 1986 (29 of 1986) published vide Notification dtd 22-4-1993 G.S.R. 386 (E) in the Gazette of India-Extraordinary-Part-II section-3 subsection(I), No.155 dated 28-4-1993 by the Ministry of Environment and Forests, Government of India; readwith the Notification dated 13-3-1993 G.S.R. 329(E), of the Gazette of India-Extraordinary-Part-II Section-3 Subsection(I) No. 120 dated 13-3-1993.

"Every person carrying on an industry, operation or process requiring Consent under Section 25 of the (Prevention and Control of Pollution) Act, 1981 (14 of 1981) or both or Authorization under Hazardous Wastes (Management and Handling) Rules, 1989 Published under the Environment (Protection) Act, 1986 (29 of 1986) shall submit an Environmental Statement for the financial year ending the 31st of March in Form - V to the Concerned State Pollution Control Board on or before the thirtieth day of September every year, beginning 1993."

PART B

Water and Raw Material Consumption

(i) Water Consumption (m³/day)

Process	: NIL
Cooling	: 5.37
Domestic (incl. Gardening)	: 34.72

Name of products	Process water consumption per unit of product output	
	During the previous Financial Year	During the current Financial year
	(1)	(2)
There is no process water consumption.		

(ii) Raw material consumption

Name of raw materials	Name of products	Consumption of Raw material per unit of product output	
		During the previous Financial Year	During the current Financial year
1. Cardanol	Epoxy Hardeners	0.38	0.37
2. Polyamines		0.17	0.18
3. Formaldehyde		0.06	0.06
4. Epoxy Resin		0.07	0.07
5. Nonyl Phenol		0.002	0.002
6. Soya Fatty Acid		0.006	0.006
7. Others (Xylene, Butanol, Dimer Acid, Ethyl Ether of Glycol)		0.25	0.24

*Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART C

Pollution discharged to the environment / unit of output

(Parameters as specified in the consent issued)

Pollutants		Quantity of pollutants discharged (mass/day)	Concentration of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
(a)	Water	Amine Water generated from process is collected and sent to M/s Multichem in Nandesari for recovery of amines. Wastewater from utilities is collected and sent to CETP of EICL for treatment. Analysis report for the utilities wastewater sent to EICL is attached herewith as Annexure A.		
(b)	Air	Analysis report for stack monitoring done is attached herewith as Annexure B.		

PART D

Hazardous Wastes

[As specified under Hazardous Wastes (MTM) Rules, 2016]

Hazardous Wastes		Total Quantity (kg)	
		During the previous Financial Year	During the current Financial year
(a)	From Process		
	Used Oil	464.5 Litres in storage at end of Mar'18.	460 L disposed to M/S Maruti Enterprise & 157 Litres in storage at the end of Mar'19
	Discarded drums/ barrels	1300 Nos. disposed to M/s Maruti Enterprise.	1200 Nos. disposed to M/s Maruti Enterprise & 04 Nos. in storage at the end of Mar'19
	Polymerized Solid Waste	Nil	Nil
(b)	From Pollution Control Facilities	Nil	Nil

PART E

Solid Wastes

		Total Quantity (kg)	
		During the previous Financial Year	During the current Financial year
(a)	From Process	} None	} None
(b)	From pollution control facilities		
(c)	(1) Quantity recycled/reutilized within the unit		
	(2) Sold		

PART F

Please specify the characterizations (in terms of composition and quantity) of hazardous as well as solid and indicate disposal practice adopted for both these categories of wastes.

The hazardous wastes generated are stored on site in dedicated hazardous waste storage area. Used oil, if any, is disposed to registered re-refiners. Discarded containers and liners are disposed to authorized recycler, M/s Maruti Enterprise. Polymerized solid waste is generated only in rare case of failure of batch; and there is provision for disposal of the same at CHWI facility.

PART G

Impact of the pollution abatement measures taken of conservation of natural resources and on the cost of production

Not Applicable

PART H

Additional measures / investment proposal for environmental protection including abatement of pollution / prevention of pollution

Not Applicable

PART I

Any other particulars for improving the quality of the environment

Not Applicable



(Signature of a person carrying out an industry - operation or process)

Date: 11/04/2019

Name : **Mr. K.N. Aras**
 Designation : **CEO**
 Address : **S. Nos. 206 & 207,
 Village Luna, Tal. Padra,
 District Vadodara,
 Gujarat.**

Enviro Infrastructure Co Ltd.
Umraya, Ta Padara, Vadodara

Annex-A

Format: FM/83
ISO Cl No: 4.1.1
Amnd: 6

Analysis Result From : 01-01-2019 To: 31-01-2019

ADMARK POLYCOAT PVT LTD.

Sr No	Manifest No	Tanker No	Tanker In Date & Time	Capacity In KL	pH	SS mg/L	TDS mg/L	COD mg/L	BOD mg/L	NH3-N mg/L	Resti CL2 mg/L	COD Kgs	Resti CL2 Kgs
1	25414	GJ-6-Y-6315	11-01-19 15:00	17.00 ✓	8.55	210	2050	596	146	21.10 ✓	0	10.1320	0.00
2	27010	GJ-6-Y-6622	28-01-19 15:45	17.00 ✓	8.66	120	2400	517	130	0.00	0	8.7890	0.00
Total Tankers : 2 Rejected : 0.00				34.00				1113			0	18.92	0.00

B-10

12/02/2019

ECO-CARE SOLUTIONS

(ENVIRONMENTAL CONSULTANTS & ENGINEERS)

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TEST REPORT

Name & Address of Customer		Format No	TRF-02
M/s Admark Polycoats Pvt. Ltd.		Report No.	<u>ECS/SA/2019/1/1412</u>
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara		Report Date	<u>17.01.2019</u>

Description of Sample	Stack Gas Emission	Lab ID Code	ECS/SA/2019/1/1412
Date of Sampling	3.01.2019	Sampling Method	IS 11255
Date of Sample Received	4.01.2019		
Sample Collected by	Mr. Bharat Patel	Sampling Time	--
Customer Representative	Mr Suresh Bahadur	Date of starting of test	4.01.2019
Packing / Seal	Satisfactory	Date of Completion of test	4.01.2019

RESULT TABLE

Particulars	-	Detail
Stack attached to	-	Thermic Fluid Heater 1 (TP 201)
Stack height above ground level	m	18
Stack Diameter at sampling point	m	300
Ambient Temperature	°C	25
Stack gas temperature	°C	115
Stack gas velocity	m/s	6.92
Fuel used	-	LDO
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	4

Sr	Parameter	Unit	Result	Test Method
1	Particulate Matter	mg/Nm ³	B.L.Q (10)	IS 11255 (Part 1): 1985, Reaffirmed 2014
2	SO ₂	PPM	B.L.Q (5)	IS 11255 (Part 2): 1985, Reaffirmed 2014
3	NO ₂	PPM	7.20	IS 11255 (Part 7): 2005, Reaffirmed 2017

Note:

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- This report cannot be used as an evidence anywhere without prior permissions.
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- B.L.Q. Below Limit of Quantitation.



Authorised Signatory (TM/QM)
Field Remarks:

ECO-CARE SOLUTIONS



(ENVIRONMENTAL CONSULTANTS & ENGINEERS)

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TEST REPORT

Name & Address of Customer
M/s Admark Polycoats Pvt. Ltd.
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara

Format No	TRF-02
Report No.	ECS/SA/2019/1/1413
Report Date	17.01.2019

Description of Sample	Stack Gas Emission	Lab ID Code	ECS/SA/2019/1/1413
Date of Sampling	3.01.2019	Sampling Method	IS 11255
Date of Sample Received	4.01.2019	Sampling Time	--
Sample Collected by	Mr. Bharat Patel	Date of starting of test	4.01.2019
Customer Representative	Mr Suresh Bahadur	Date of Completion of test	4.01.2019
Packing / Seal	Satisfactory		

RESULT TABLE

Particulars	-	Detail
Stack attached to	-	Thermic Fluid Heater 2 (TP - 202)
Stack height above ground level	m	18
Stack Diameter at sampling point	m	300
Ambient Temperature	^o C	24
Stack gas temperature	^o C	111
Stack gas velocity	m/s	6.55
Fuel used	-	LDO
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	4

Sr	Parameter	Unit	Result	Test Method
1	Particulate Matter	mg/Nm ³	B.L.Q (10)	IS 11255 (Part 1): 1985, Reaffirmed 2014
2	SO ₂	PPM	B.L.Q (5)	IS 11255 (Part 2): 1985, Reaffirmed 2014
3	NO ₂	PPM	21.52	IS 11255 (Part 7): 2005, Reaffirmed 2017

Note:

1. The result refers only to the tested sample/s & applicable parameters received by us.
2. This test report shall not be reproduced except in full, without written approval from ECS
3. Samples shall be retained for 15 days from the date of analysis.

* * * * * Indicates, parameter not covered under proposed NABL Scope.

B.L.Q Below Limit of Quantitation.



Authorised Signatory (TM/QM)

Field Remarks:

ECO-CARE SOLUTIONS

(ENVIRONMENTAL CONSULTANTS & ENGINEERS)

306-307, Dwarkesh Complex, Sun Phanna Road, Atladara, Vadodara - 390 020.
 Telefax : 0265 - 296 15 25, 268 33 68 Mobile : 94260 74416, 94275 06362
 E-mail : ecocaresolutions@rediffmail.com, consultancy@ecocaresolutionsindia.com
 Web : www.ecocaresolutionsindia.com, www.ecocaresolutions.in

ECS



Annex-B

TEST REPORT

Name & Address of Customer

M/s Admark Polycoats Pvt. Ltd.

Street No. 207, V.L. Luna, Tal. Padra, Di. Vadodara

Format No	TRF-02
Report No.	ECS/SA/2019/1/1414
Report Date	17.01.2019

Description of Sample	Stack Gas Emission	Lab ID Code	ECS/SA/2019/1/1414
Date of Sampling	3.01.2019	Sampling Method	IS 11255
Date of Sample Received	4.01.2019		
Sample Collected by	Mr. Bharat Patel	Sampling Time	--
Customer Representative	Mr Suresh Bahadur	Date of starting of test	4.01.2019
Packing / Seal	Satisfactory	Date of Completion of test	4.01.2019

RESULT TABLE

Particulars		Detail
Stack attached to	-	D.G Set 320 KVA
Stack height above ground level	m	5
Stack Diameter at sampling point	m	200
Ambient Temperature	°C	26
Stack gas temperature	°C	106
Stack gas velocity	m/s	7.92
Fuel used	-	HSD
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	4

Sr	Parameter	Unit	Result	Test Method
1	Particulate Matter	mg/Nm ³	B.L.Q (10)	IS 11255 (Part 1): 1985, Reaffirmed 2014
2	SO ₂	PPM	B.L.Q (5)	IS 11255 (Part 2): 1985, Reaffirmed 2014
3	NO ₂	PPM	7.20	IS 11255 (Part 7): 2005, Reaffirmed 2017

Note:

1. The result refers only to the tested sample/s & applicable parameters received by us.
2. This test report shall not be reproduced except in full, without written approval from ECS.
3. Samples shall be retained for 15 days from the date of analysis.

4. Report cannot be used as an evidence anywhere without prior permissions.
5. "M.K.Z." Indicates, parameter not covered under proposed NABL Scope.
6. B.L.Q. Below Limit of Quantitation.



Authorised Signatory (TM/QM)

Field Remarks: