

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: 3rd August, 2021

SUBJECT	: Submission of EC Compliance Report for the period of January-2021 to June-2021 for the Environment Clearance issued in the year 2019.
REFERENCE	: EC granted to Admark Polycoats Pvt. Ltd. (File No.: J-11011/15/2016-IAII(I) dated 8th January, 2019)

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. We would like to inform you that we have obtained EC in the year 2019 for the project of expansion of Epoxy Hardeners from 1000 MT/month to 2000 MT/month. 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 January-2021 to June-2021. (Attached herewith as **Annexure- B**).

Please note that we have not yet commenced the production activities for the expansion project till date.

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

Thanking you.

Yours sincerely,



For, Admark Polycoats Pvt. Ltd.
For Admark Polycoats Private Limited

Authorised Signatory

Epoxy Hardeners "Built to Perform"

Enclosures:

- Annexure - A : Copy of the EC granted in 2019
Annexure – B : EC Compliance Report (Period – Januray-2021 to June-2021)
Annexure – B1 : Details pertaining to production, water consumption and
wastewater generation (Januray-2021 to June-2021)
Annexure – B2 : NABL certificate of M/s. Eco care solutions, Vadodara
Annexure – B3 : Stack monitoring report
Annexure – B4 : Water consumption Januray-2021 to June-2021
Annexure - B5 : Workers Health Report
Annexure – B6 : Ambient air quality monitoring report
Annexure – B7 : Noise level monitoring report

For Admark Polycoats Private Limited

Authorised Signatory



- CC to. **The In charge 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

Epoxy Hardeners "Built to Perform"

F. No.J-11011/15/2016- IAI (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.

Sd/

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:-
- 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.
 - Effluent of 7.8 cum/day shall be sent for amine recovery and 1.4 cum/day to the CETP.
 - 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.
 - 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.
 - 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.
 - Solvent management shall be carried out as follows:
 - 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.

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(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.

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- (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.


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

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


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

Annexure - B

**Admark Polycoats Pvt. Ltd. - Compliance of EC dated 8th January, 2019
(Ref.: F. No.: J-11011/15/2016-IAII (I)) (for the period January-21 to June-2021)**

Note: Production activities related to expansion project has not yet been started at site. Hence, accordingly following compliance status is being submitted herewith.

Sr. No.:	Project Condition	Compliance Status
10.	Specific Conditions	
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.	<ul style="list-style-type: none">➤ The unit has obtained Consent to Establish from GPCB as required under the Air Act, 1981 and the Water Act, 1974.➤ The copy of CTE-Amendment has already been submitted as a part of EC compliance submitted for the period January -2020 to June -2020 vide our letter dated 17th August, 2020.➤ The unit will obtain CC&A amendment prior to commencement of production activities related to expansion project.
b	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	<ul style="list-style-type: none">➤ Being Complied.➤ This condition has been corrected and the EC corrigendum order has been issued vide letter dated 17th June, 2019. The copy of EC-Amendment has already been submitted as a part of EC compliance submitted for the period January -2020 to June -2020 vide our letter dated 17th August, 2020.➤ Industrial wastewater from process, (which is currently about 3.27 KLD on an average, against 3.6 KLD) is being sent to M/s. Multichem for amine recovery.➤ Wastewater from utilities (for which current average generation is 0.68 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'21 to Jun'21 are included herewith as Annexure-B1.➤ Domestic wastewater is disposed off to septic tank/soak pit system.➤ For the expanded quantity, the unit will obtain CC&A amendment prior to commencement of production activities related to expansion project.➤ This condition for existing project has been verified by MoEF&CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018 and same will be kept continued in future.



Annexure - B

**Admark Polycoats Pvt. Ltd. - Compliance of EC dated 8th January, 2019
(Ref.: F. No.: J-11011/15/2016-IAII (I)) (for the period January-21 to June-2021)**

Sr. No.:	Project Condition	Compliance Status																									
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.	<ul style="list-style-type: none">➤ The unit has obtained due authorization from GPCB vide order no.: AWH - 32431, issued in 2018 and valid till June, 2024 for collection, treatment, storage and disposal of hazardous wastes, and the conditions there under are being complied with.➤ For the expanded quantity, the unit will obtain CC&A amendment prior to commencement of production activities related to expansion project.																									
D	National emission standards for organic chemicals manufacturing industry issued by the ministry vide G.S.R. 608(E) dated 21 st July, 2010, amended from time to time, shall be followed.	<ul style="list-style-type: none">➤ Noted.																									
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.	<ul style="list-style-type: none">➤ Being Complied.➤ The stack monitoring is being carried out regularly on quarterly basis through NABL accredited laboratory (M/s. Eco Care Solutions, Vadodara vide their NABL certificate no. TC-8153. (Annexure – B2).➤ The reports pertaining to periodical stack analysis carried out are shown herewith as Annexure-B3.➤ The summary for the observation during period are as below, and they are within the limits prescribed by statutory authority:➤ Stack attached to TFH-01<table><tr><th>Parameter</th><th>Min</th><th>Max</th><th>Average</th><th>Permissible Limit</th></tr><tr><td>PM, in mg/NM3</td><td>12.03</td><td>57.7</td><td>34.86</td><td>150</td></tr><tr><td>SO2, in ppm</td><td>1.05</td><td>2.13</td><td>1.59</td><td>100</td></tr><tr><td>NOx, in ppm</td><td>7.58</td><td>7.61</td><td>7.59</td><td>50</td></tr></table>➤ Stack attached to TFH-02<table><tr><th>Parameter</th><th>Min</th><th>Max</th><th>Average</th><th>Permissible Limit</th></tr></table>	Parameter	Min	Max	Average	Permissible Limit	PM, in mg/NM3	12.03	57.7	34.86	150	SO2, in ppm	1.05	2.13	1.59	100	NOx, in ppm	7.58	7.61	7.59	50	Parameter	Min	Max	Average	Permissible Limit
Parameter	Min	Max	Average	Permissible Limit																							
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Annexure - B

**Admark Polycoats Pvt. Ltd. - Compliance of EC dated 8th January, 2019
(Ref.: F. No.: J-11011/15/2016-IAII (I)) (for the period January-21 to June-2021)**

Sr. No.:	Project Condition	Compliance Status				
		PM, in mg/NM3	11.15	98.2	54.67	150
		SO2, in ppm	1.57	2.62	2.09	100
		NOx, in ppm	0	15.21	7.60	50
		➤ Stack attached to D.G. Set				
		Parameter	Min	Max	Average	Permissible Limit
		PM, in mg/NM3	11.41	89.71	50.56	150
		SO2,in ppm	0.53	2.42	1.47	100
		NOx, in ppm	0	15.26	7.63	50
		➤ This condition for existing project has been verified by MoEF&CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018 and same will be kept continued in future.				
		F	Solvent management shall be carried out as follows:			
	(i) Reactor shall be connected to cooling water condenser system.	➤ This condition has been corrected and the EC corrigendum order has been issued vide letter dated 17 th June, 2019. The copy of EC-Amendment has already been submitted as a part of EC compliance submitted for the period January -2020 to June -2020 vide our letter dated 17 th August, 2020. ➤ These conditions are being complied for existing project and same will be continued to be complied further.				
	(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					
		➤ The solvent storage facilities have been provided as per the guidelines of PESO for which the unit				



Annexure - B

**Admark Polycoats Pvt. Ltd. - Compliance of EC dated 8th January, 2019
(Ref.: F. No.: J-11011/15/2016-IAII (I)) (for the period January-21 to June-2021)**

Sr. No.:	Project Condition	Compliance Status
	chilled brine circulation.	<i>has been issued PESO permission letter vide no. P/HQ/GJ/15/5000 (P206601) dated 26th September, 2018.</i>
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.	<ul style="list-style-type: none">➤ Being Complied.➤ <i>The unit has been issued permission for withdrawal of ground water from CGWA through its letter no. CGWA/NOC/IND/ORIG/2018/3503 dated 16.05.2018.</i>➤ <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'21 to Jun'21 is attached herewith as Annexure – B4.</i>➤ <i>For the expanded quantity, the unit will obtain CC&A amendment prior to commencement of production activities related to expansion project.</i>➤ <i>This condition has been verified by MoEF&CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018 for the present activity and same will be kept continued in future.</i>
H	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.	<ul style="list-style-type: none">➤ Being Complied.➤ <i>This condition has been corrected and the copy of EC-Amendment has already been submitted as a part of EC compliance submitted for the period January -2020 to June -2020 vide our letter dated 17th August, 2020.</i>
I	Process effluent/any waste water shall not be allowed to mix with storm water. The storm water shall be collected and discharged through a separate conveyance system.	<ul style="list-style-type: none">➤ <i>Noted and being complied with.</i>
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.	<ul style="list-style-type: none">➤ Being Complied.➤ <i>The Hazardous Chemicals are stored in line with the MSIHC rules, 2016.</i>➤ <i>Transfer of chemicals is done in line with the established SOPs and with aid of vacuum pumps where required.</i>➤ <i>This condition has been verified by MoEF&CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018 for the present activity and same will be kept continued</i>



Annexure - B

**Admark Polycroats Pvt. Ltd. - Compliance of EC dated 8th January, 2019
(Ref.: F. No.: J-11011/15/2016-IAII (I)) (for the period January-21 to June-2021)**

Sr. No.:	Project Condition	Compliance Status
		<i>in future.</i>
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.	➤ <i>Noted and will be complied.</i>
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.	➤ <i>Complied.</i> ➤ <i>This condition has been verified by MoEF&CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018 for the present activity and same will be kept continued further.</i>
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.	➤ <i>Noted</i>
N	The company shall undertake waste minimization measures as below:-	
	(i) Metering and control of quantities of active ingredients to minimize waste.	➤ <i>Noted and will be complied.</i>
	(ii) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes	➤ <i>Noted and being complied with.</i>
	(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.	➤ <i>Being Complied.</i> ➤ <i>Out of present premises area, about 5000 sq.m. is marked for plantation {35%}.</i> ➤ <i>Tree plantation is being done and full-grown trees are already being maintained over about 800 sq.m. area, rest being green space/gardens. Also, about 2900 sq.m area has been earmarked and has been used for tree plantation for about</i>



Annexure - B

**Admark Polycoats Pvt. Ltd. - Compliance of EC dated 8th January, 2019
(Ref.: F. No.: J-11011/15/2016-IAII (I)) (for the period January-21 to June-2021)**

Sr. No.:	Project Condition	Compliance Status																				
		<p>300 trees.</p> <p>➤ This condition been verified by MoEF&CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018 for the present activity and same will be continued further.</p>																				
(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.	<p>➤ Noted and will be complied.</p>																				
(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.	<p>➤ Being Complied.</p> <p>➤ The stack monitoring is being carried out regularly on quarterly basis through NABL accredited laboratory (M/S. Eco Care Solution vadodara) vide their NABL certificate no. TC-8153. Annexure –B2.</p> <p>➤ The reports pertaining to periodical stack analysis carried out are shown herewith as Annexure-B3.</p> <p>➤ The summary for the observation during period are as below, and they are within the limits prescribed by statutory authority:</p> <p>➤ Stack attached to D.G. Set</p> <table><tr><th>Parameter</th><th>Min</th><th>Max</th><th>Average</th><th>Permissible Limit</th></tr><tr><td>PM, in mg/NM3</td><td>11.41</td><td>89.71</td><td>50.56</td><td>150</td></tr><tr><td>SO2, in ppm</td><td>0.53</td><td>2.42</td><td>1.47</td><td>100</td></tr><tr><td>NOx, in ppm</td><td>0</td><td>15.26</td><td>7.63</td><td>50</td></tr></table> <p>➤ This condition has been verified by MoEF&CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018 for the present activity and same will be continued further.</p>	Parameter	Min	Max	Average	Permissible Limit	PM, in mg/NM3	11.41	89.71	50.56	150	SO2, in ppm	0.53	2.42	1.47	100	NOx, in ppm	0	15.26	7.63	50
Parameter	Min	Max	Average	Permissible Limit																		
PM, in mg/NM3	11.41	89.71	50.56	150																		
SO2, in ppm	0.53	2.42	1.47	100																		
NOx, in ppm	0	15.26	7.63	50																		
(r)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material	<p>➤ Being Complied.</p> <p>➤ This condition has been verified by MoEF&CC, RO, Bhopal vide their certified compliance</p>																				



Annexure - B

**Admark Polycroats Pvt. Ltd. - Compliance of EC dated 8th January, 2019
(Ref.: F. No.: J-11011/15/2016-IAII (I)) (for the period January-21 to June-2021)**

Sr. No.:	Project Condition	Compliance Status
	handling. Fire-fighting system shall be as per the norms.	<i>reports dated 09/01/2018 & 24/08/2018 for the present activity and same will be continued further.</i>
(s)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	<ul style="list-style-type: none">➤ Being Complied.➤ 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.➤ The records of medical examination for the period Jan-21 Jun-21 for existing operation are attached as Annexure – B5.➤ This condition has been verified by MoEF&CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018 for the present activity and same will be continued further.
(t)	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 the CPCB and SPCB server.	<ul style="list-style-type: none">➤ This conditions has been corrected and the copy of EC-Amendment has already been submitted as a part of EC compliance submitted for the period January -2020 to June -2020 vide our letter dated 17th August, 2020.➤ Noted and will be complied.
10.1	General conditions:	
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.	<ul style="list-style-type: none">➤ Noted and being complied with.➤ This has been verified by MoEF&CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018 for the present activity and same will be continued further.
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.	<ul style="list-style-type: none">➤ Noted and will be complied.



Annexure - B

**Admark Polycroats Pvt. Ltd. - Compliance of EC dated 8th January, 2019
(Ref.: F. No.: J-11011/15/2016-IAII (I)) (for the period January-21 to June-2021)**

Sr. No.:	Project Condition	Compliance Status																																																		
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.	<p>➤ Being Complied.</p> <p>➤ Ambient air quality monitoring is carried out through NABL approved lab (M/s. Eco Care Solutions, Vadodara) 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-B6.</p> <p>➤ Location -1 Near Main Gate</p> <table><tr><th>Parameter</th><th>Min</th><th>Max</th><th>Average</th><th>Permissible Limit</th></tr><tr><td>PM10, in $\mu\text{g}/\text{m}^3$</td><td>50.38</td><td>52.58</td><td>51.48</td><td>100</td></tr><tr><td>PM2.5, in $\mu\text{g}/\text{m}^3$</td><td>12.34</td><td>21.2</td><td>16.77</td><td>60</td></tr><tr><td>SO2, in $\mu\text{g}/\text{m}^3$</td><td><5</td><td>7.78</td><td>6.39</td><td>80</td></tr><tr><td>NOx, in $\mu\text{g}/\text{m}^3$</td><td><5</td><td>6.77</td><td>5.88</td><td>80</td></tr></table> <p>➤ Location -2 Near Weight Bridge</p> <table><tr><th>Parameter</th><th>Min</th><th>Max</th><th>Average</th><th>Permissible Limit</th></tr><tr><td>PM10, in $\mu\text{g}/\text{m}^3$</td><td>29.6</td><td>47.77</td><td>38.7</td><td>100</td></tr><tr><td>PM2.5, in $\mu\text{g}/\text{m}^3$</td><td>10.61</td><td>24.18</td><td>17.39</td><td>60</td></tr><tr><td>SO2, in $\mu\text{g}/\text{m}^3$</td><td><5</td><td>5.19</td><td>5.09</td><td>80</td></tr><tr><td>NOx, in $\mu\text{g}/\text{m}^3$</td><td><5</td><td>5.82</td><td>5.41</td><td>80</td></tr></table> <p>➤ The results indicate that the concentrations are within the permissible limits.</p> <p>➤ This condition has been verified by MoEF&CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018 for the present activity and same will be continued further.</p>	Parameter	Min	Max	Average	Permissible Limit	PM10, in $\mu\text{g}/\text{m}^3$	50.38	52.58	51.48	100	PM2.5, in $\mu\text{g}/\text{m}^3$	12.34	21.2	16.77	60	SO2, in $\mu\text{g}/\text{m}^3$	<5	7.78	6.39	80	NOx, in $\mu\text{g}/\text{m}^3$	<5	6.77	5.88	80	Parameter	Min	Max	Average	Permissible Limit	PM10, in $\mu\text{g}/\text{m}^3$	29.6	47.77	38.7	100	PM2.5, in $\mu\text{g}/\text{m}^3$	10.61	24.18	17.39	60	SO2, in $\mu\text{g}/\text{m}^3$	<5	5.19	5.09	80	NOx, in $\mu\text{g}/\text{m}^3$	<5	5.82	5.41	80
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iv.	The National Ambient Air Quality Emission Standards issued by the Ministry vide	➤ Noted.																																																		



Annexure - B

**Admark Polycoats Pvt. Ltd. - Compliance of EC dated 8th January, 2019
(Ref.: F. No.: J-11011/15/2016-IAII (I)) (for the period January-21 to June-2021)**

Sr. No.:	Project Condition	Compliance Status																																														
	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).	<p>➤ Being Complied.</p> <p>➤ The requisite noise prevention measures have been taken to ensure that noise levels within the plant area remain within limits.</p> <p>➤ The ambient noise levels are being monitored regularly through NABL approved lab (M/s. Eco care Solutions, Vadodara) vide certificate no: TC-8153.</p> <p>➤ Noise level details for the periodical monitoring are included at Annexure-B7, 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.</p> <table border="1"> <thead> <tr> <th>Parameter</th><th>Result</th><th>Permissible Limit</th></tr> </thead> <tbody> <tr> <td align="center" colspan="3">Day Time</td></tr> <tr> <td>Near Main Gate</td><td>68.4</td><td rowspan="13">75 dB</td></tr> <tr> <td>Near Security Cabin</td><td>65.7</td></tr> <tr> <td>Near ADM office</td><td>59.7</td></tr> <tr> <td>Near Q.C Lab</td><td>63.4</td></tr> <tr> <td>Near R&D Lab</td><td>64.7</td></tr> <tr> <td>Near Utility Area</td><td>69.4</td></tr> <tr> <td>Near Production Plant Ground Floor</td><td>67.3</td></tr> <tr> <td>Near Production Plant First Floor</td><td>66.9</td></tr> <tr> <td>Near Ware house</td><td>68.7</td></tr> <tr> <td>Near Storage Area</td><td>66.1</td></tr> <tr> <td>Near D.G Set</td><td>72.7</td></tr> <tr> <td>Material gate</td><td>69.1</td></tr> <tr> <td>Back side Storage Area</td><td>67.4</td></tr> <tr> <td>Parameter</td><td>Result</td><td>Permissible Limit</td></tr> <tr> <td align="center" colspan="3">Night Time</td></tr> <tr> <td>Near Main Gate</td><td>66.7</td><td rowspan="3">70 dB</td></tr> <tr> <td>Near Security Cabin</td><td>63.2</td></tr> <tr> <td>Near ADM office</td><td>55.7</td></tr> </tbody> </table>	Parameter	Result	Permissible Limit	Day Time			Near Main Gate	68.4	75 dB	Near Security Cabin	65.7	Near ADM office	59.7	Near Q.C Lab	63.4	Near R&D Lab	64.7	Near Utility Area	69.4	Near Production Plant Ground Floor	67.3	Near Production Plant First Floor	66.9	Near Ware house	68.7	Near Storage Area	66.1	Near D.G Set	72.7	Material gate	69.1	Back side Storage Area	67.4	Parameter	Result	Permissible Limit	Night Time			Near Main Gate	66.7	70 dB	Near Security Cabin	63.2	Near ADM office	55.7
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Annexure - B

Admark Polycoats Pvt. Ltd. - Compliance of EC dated 8th January, 2019
(Ref.: F. No.: J-11011/15/2016-IAII (I)) (for the period January-21 to June-2021)

Sr. No.:	Project Condition	Compliance Status																						
		<table><tr><td>Near Q.C Lab</td><td>60.8</td></tr><tr><td>Near R&D Lab</td><td>61.2</td></tr><tr><td>Near Utility Area</td><td>66.4</td></tr><tr><td>Near Production Plant Ground Floor</td><td>65.1</td></tr><tr><td>Near Production Plant First Floor</td><td>--</td></tr><tr><td>Near Ware house</td><td>64.7</td></tr><tr><td>Near Storage Area</td><td>62.5</td></tr><tr><td>Near D.G Set</td><td>68.9</td></tr><tr><td>Material gate</td><td>65.4</td></tr><tr><td>Back side Storage Area</td><td>64.4</td></tr></table>	Near Q.C Lab	60.8	Near R&D Lab	61.2	Near Utility Area	66.4	Near Production Plant Ground Floor	65.1	Near Production Plant First Floor	--	Near Ware house	64.7	Near Storage Area	62.5	Near D.G Set	68.9	Material gate	65.4	Back side Storage Area	64.4		
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Back side Storage Area	64.4																							
		➤ This condition been verified by MoEF&CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018 for the present activity and same will be continued further.																						
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.	➤ Noted and being complied. ➤ This condition has been verified by MoEF&CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018 for the present activity and same will be continued further.																						
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.	➤ Noted and being complied with. ➤ The records of medical examination for existing operation are attached as Annexure – B5 .																						
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.	➤ Noted and being complied with.																						
ix.	The company shall undertake all measures for improving socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local	➤ Noted and will be complied.																						



Annexure - B

**Admark Polycoats Pvt. Ltd. - Compliance of EC dated 8th January, 2019
(Ref.: F. No.: J-11011/15/2016-IAII (I)) (for the period January-21 to June-2021)**

Sr. No.:	Project Condition	Compliance Status
	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.	<p>➤ Complied.</p> <p>➤ <i>The same has been verified by MoEF&CC, RO, Bhopal vide their certified compliance reports dated 09/01/2018 & 24/08/2018 for the present activity and same will be continued further.</i></p>
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 Changes 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.	<p>➤ <i>Noted.</i></p>
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.	<p>➤ Complied.</p> <p>➤ <i>The intimation letters submitted to the concerned Gram Panchayat and NGO regarding accordance of EC have already been submitted as a part of EC compliance submitted for the period January -2020 to June -2020 vide our letter dated 17th August, 2020.</i></p>
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.	<p>➤ Complied.</p> <p>➤ <i>The details pertaining to grant of EC in 2019 are already updated on the company website http://admarkpolycoats.com/wp-content/uploads/2018/02/EC-issued-in-2009.pdf</i></p> <p>➤ <i>The status of compliance of EC conditions have also been updated on the company website.</i></p>
xiv.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the	<p>➤ <i>Noted and being complied with.</i></p> <p>➤ <i>The Environmental statement i.e. Form-V has been submitted for the F.Y. 2020-2021; The copy</i></p>



Annexure - B

**Admark Polycoats Pvt. Ltd. - Compliance of EC dated 8th January, 2019
(Ref.: F. No.: J-11011/15/2016-IAII (I)) (for the period January-21 to June-2021)**

Sr. No.:	Project Condition	Compliance Status
	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.	<i>of same is attached as Annexure B8.</i>
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.	<p>➤ <i>Complied</i></p> <p>➤ <i>The advertisement was also published in local newspaper Divyabhasker and Times of India dated 20/01/2019, within 7 days of receipt of hardcopy of EC as well as published EC corrigendum. Copy of the same have already been submitted as a part of EC compliance submitted for the period January -2020 to June -2020 vide our letter dated 17th August, 2020.</i></p>



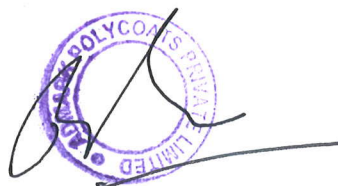
ANNEXURE – B1
DETAILS PERTAINING TO PRODUCTION, WATER CONSUMPTION & WASTEWATER DISPOSAL
AT CETP OF EICL, UMARAYA

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.-21	492	265	17.5	1	134.81	26.12
2.	Feb.-21	578	412	17	1	20.58	2.83
3.	March-21	536	555	20	1	117.51	24.79
4.	April-21	719	516	17.5	1	113.91	23.53
5.	May-21	741	481	17.5	1	70.57	33.00
6.	June-21	779	354	17.5	1	52.93	7.34
Average		3845	2583	107	6	457.38	117.61

Notes:

Average water consumption from the data is approximately **16.55 KLD** and average wastewater disposal at EICL CETP is approximately **0.68 KLD**.

The average monthly disposal to Multichem for said period is around **85.05 KL/month** & corresponding daily quantity is **3.27 KL/day** (Against the limit of 3.6 kL/day).





National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

ECO-CARE SOLUTIONS

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

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

for its facilities at

306-307, DWARKESH COMPLEX, SUN PHARMA ROAD, ATLADARA, VADODARA, GUJARAT, INDIA

in the field of

TESTING

Certificate Number: **TC-8153**

Issue Date: **30/11/2020**

Valid Until: **29/11/2022**

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)

Name of Legal Identity : **ECO-CARE SOLUTIONS**

Signed for and on behalf of NABL



N. Venkateswaran
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



TC-8153

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
ULR No.	TC815321000001161F
Report Date	01.05.2021

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2021/04/5749
Date of Sampling	24.04.2021	Report No.	ECS/SA/2021/04/5749
Sample Collected by	Mr.Hitesh	Sampling Method	IS 11255
Customer Representative	Mr.Suresh Bahadur	Sampling Time	11:55 am
Packing / Seal	Packing	Date of starting of test	27.04.2021
Sampling plan ID	ECS/SP/21/201	Date of Completion of test	27.04.2021

RESULT TABLE

Particulars	-	Detail
Stack attached to	-	Boiler TP-201
Stack height above ground level	m	18
Stack Diameter at sampling point	mm	300
Ambient Temperature	°C	32
Stack gas temperature	°C	106
Stack gas velocity	m/s	6.86
Fuel used	-	LDO
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1	Particulate Matter	mg/Nm ³	12.03	150	IS 11255 (Part 1): 1985, Reaffirmed 2019

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

Authorized Signatory
Gaurang Parmar(QM)/Jeetendra Bhavnani(TM)
Field Remarks: Nil



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-02N
Report No.	ECS/SA/APP/21/05/1222
Report Date	01.05.2021

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2021/04/5749
Date of Sampling	24.04.2021	Sampling Method	IS 11255
Sample Collected by	Mr.Hitesh	Sampling Time	11:55 am
Customer Representative	Mr.Suresh Bahadur	Date of starting of test	27.04.2021
Packing / Seal	Packing	Date of Completion of test	27.04.2021
Sampling plan ID	ECS/SP/21/201		

RESULT TABLE

Particulars	-	Detail
Stack attached to	-	Boiler TP-201
Stack height above ground level	m	18
Stack Diameter at sampling point	mm	300
Ambient Temperature	°C	32
Stack gas temperature	°C	106
Stack gas velocity	m/s	6.86
Fuel used	-	LDO
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1.	SO ₂	ppm	1.05	100	IS 11255 (Part 2): 1985, Reaffirmed 2019
2.	NO ₂	ppm	7.61	50	IS 11255 (Part 7): 2005, Reaffirmed 2017
.....End of Test Report.....					

Note:

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4. Report cannot be used as an evidence anywhere without prior permissions.
5. N.D Not Detected.

Authorized Signatory
Gaurang Parmar(QM)/Jeetendra Bhavnani(TM)
Field Remarks: Nil

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(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



TC-8153

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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
ULR No.	TC815321000001160F
Report Date	01.05.2021

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2021/04/5748
Date of Sampling	24.04.2021	Report No.	ECS/SA/2021/04/5748
Sample Collected by	Mr.Hitesh	Sampling Method	IS 11255
Customer Representative	Mr.Suresh Bahadur	Sampling Time	10:15 am
Packing / Seal	Packing	Date of starting of test	27.04.2021
Sampling plan ID	ECS/SP/21/201	Date of Completion of test	27.04.2021

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	31
Stack gas temperature	⁰ C	103
Stack gas velocity	m/s	7.05
Fuel used	-	LDO
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1	Particulate Matter	mg/Nm ³	11.15	150	IS 11255 (Part 1): 1985, Reaffirmed 2019

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

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Authorized Signatory
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Field Remarks: Nil



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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

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TEST REPORT

Name & Address of Customer	Format No.	TRF-02N
M/s. Admark Polycoats Pvt. Ltd.	Report No.	ECS/SA/APP/21/05/1221
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara	Report Date	01.05.2021

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2021/04/5748
Date of Sampling	24.04.2021	Sampling Method	IS 11255
Sample Collected by	Mr.Hitesh	Sampling Time	10:15 am
Customer Representative	Mr.Suresh Bahadur	Date of starting of test	27.04.2021
Packing / Seal	Packing	Date of Completion of test	27.04.2021
Sampling plan ID	ECS/SP/21/201		

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	31
Stack gas temperature	⁰ C	103
Stack gas velocity	m/s	7.05
Fuel used	-	LDO
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1.	SO ₂	ppm	1.57 ✓	100	IS 11255 (Part 2); 1985, Reaffirmed 2019
2.	NO ₂	ppm	N.D ✓	50	IS 11255 (Part 7); 2005, Reaffirmed 2017
.....End of Test Report.....					

Note:

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Authorized Signatory
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Field Remarks: Nil



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(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

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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
ULR No.	TC815321000001162F
Report Date	01.05.2021

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2021/04/5750
Date of Sampling	24.04.2021	Report No.	ECS/SA/2021/04/5750
Sample Collected by	Mr.Hitesh	Sampling Method	IS 11255
Customer Representative	Mr.Suresh Bahadur	Sampling Time	15:10 pm
Packing / Seal	Packing	Date of starting of test	27.04.2021
Sampling plan ID	ECS/SP/21/201	Date of Completion of test	27.04.2021

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	⁰ C	33
Stack gas temperature	⁰ C	91
Stack gas velocity	m/s	11.26
Fuel used	-	HSD
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1	Particulate Matter	mg/Nm ³	11.41	150	IS 11255 (Part 1): 1985, Reaffirmed 2019

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

Note:

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Authorized Signatory
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Field Remarks: Nil



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

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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-02N
Report No.	ECS/SA/APP/21/05/1223
Report Date	01.05.2021

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2021/04/5750
Date of Sampling	24.04.2021	Sampling Method	IS 11255
Sample Collected by	Mr.Hitesh	Sampling Time	15:10 pm
Customer Representative	Mr.Suresh Bahadur	Date of starting of test	27.04.2021
Packing / Seal	Packing	Date of Completion of test	27.04.2021
Sampling plan ID	ECS/SP/21/201		

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	33
Stack gas temperature	°C	91
Stack gas velocity	m/s	11.26
Fuel used	-	HSD
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	---
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1.	SO ₂	ppm	0.53	100	IS 11255 (Part 2): 1985, Reaffirmed 2019
2.	NO ₂	ppm	N.D	50	IS 11255 (Part 7): 2005, Reaffirmed 2017
.....End of Test Report.....					

Note:

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5. N.D Not Detected.

Authorized Signatory
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Field Remarks: Nil



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(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

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TEST REPORT

Name & Address of Customer	Format No.	TRF-02
M/s. Admark Polycoats Pvt. Ltd.	ULR No.	TC815321000001731F
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara	Report Date	13.07.2021

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2021/07/6501
Date of Sampling	07.07.2021	Report No.	ECS/SA/2021/07/6501
Sample Collected by	Mr.Hitesh	Sampling Method	IS 11255
Customer Representative	Mr.Suresh Bahadur	Sampling Time	10:20 am
Packing / Seal	Packing	Date of starting of test	08.07.2021
Sampling plan ID	ECS/SP/21/318	Date of Completion of test	09.07.2021

RESULT TABLE

Particulars	-	Detail
Stack attached to	-	Boiler TP-201
Stack height above ground level	m	18
Stack Diameter at sampling point	mm	300
Ambient Temperature	°C	31
Stack gas temperature	°C	107
Stack gas velocity	m/s	6.45
Fuel used	-	LDO
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1	Particulate Matter	mg/Nm ³	57.70	150	IS 11255 (Part 1): 1985, Reaffirmed 2019
.....End of Test Report.....					

Note:

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Authorized Signatory
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Field Remarks: Nil

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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

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TEST REPORT

Name & Address of Customer	Format No.	TRF-02N
M/s. Admark Polycoats Pvt. Ltd.	Report No.	ECS/SA/APP/21/07/1670
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara	Report Date	13.07.2021

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2021/07/6501
Date of Sampling	07.07.2021	Sampling Method	IS 11255
Sample Collected by	Mr.Hitesh	Sampling Time	10:15 am
Customer Representative	Mr.Suresh Bahadur	Date of starting of test	08.07.2021
Packing / Seal	Packing	Date of Completion of test	09.07.2021
Sampling plan ID	ECS/SP/21/318		

RESULT TABLE

Particulars	-	Detail
Stack attached to	-	Boiler TP-201
Stack height above ground level	m	18
Stack Diameter at sampling point	mm	300
Ambient Temperature	°C	31
Stack gas temperature	°C	107
Stack gas velocity	m/s	6.45
Fuel used	-	LDO
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1.	SO ₂	ppm	2.13	100	IS 11255 (Part 2): 1985, Reaffirmed 2019
2.	NO ₂	ppm	7.58	50	IS 11255 (Part 7): 2005, Reaffirmed 2017
.....End of Test Report.....					

Note:

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5. N.D Not Detected.

Authorized Signatory
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Field Remarks: Nil

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(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

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TEST REPORT

Name & Address of Customer	Format No.	TRF-02
M/s. Admark Polycoats Pvt. Ltd.	ULR No.	TC815321000001732F
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara	Report Date	13.07.2021

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2021/07/6502
Date of Sampling	07.07.2021	Report No.	ECS/SA/2021/07/6502
Sample Collected by	Mr.Hitesh	Sampling Method	IS 11255
Customer Representative	Mr.Suresh Bahadur	Sampling Time	12:15 pm
Packing / Seal	Packing	Date of starting of test	08.07.2021
Sampling plan ID	ECS/SP/21/318	Date of Completion of test	09.07.2021

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	32
Stack gas temperature	°C	105
Stack gas velocity	m/s	6.65
Fuel used	-	LDO
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1	Particulate Matter	mg/Nm ³	98.20	150	IS 11255 (Part 1): 1985, Reaffirmed 2019
.....End of Test Report.....					

Note:

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Authorized Signatory
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Field Remarks: Nil



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

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TEST REPORT

Name & Address of Customer	Format No.	TRF-02N
M/s. Admark Polycoats Pvt. Ltd.	Report No.	ECS/SA/APP/21/07/1671
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara	Report Date	13.07.2021

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2021/07/6502
Date of Sampling	07.07.2021	Sampling Method	IS 11255
Sample Collected by	Mr.Hitesh	Sampling Time	12:15 pm
Customer Representative	Mr.Suresh Bahadur	Date of starting of test	08.07.2021
Packing / Seal	Packing	Date of Completion of test	09.07.2021
Sampling plan ID	ECS/SP/21/318		

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	32
Stack gas temperature	°C	105
Stack gas velocity	m/s	6.65
Fuel used	-	LDO
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1.	SO ₂	ppm	2.62	100	IS 11255 (Part 2): 1985, Reaffirmed 2019
2.	NO ₂	ppm	15.21	50	IS 11255 (Part 7): 2005, Reaffirmed 2017
.....End of Test Report.....					

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4. Report cannot be used as an evidence anywhere without prior permissions.
5. N.D Not Detected.

Authorized Signatory
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Field Remarks: Nil

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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

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TEST REPORT

Name & Address of Customer	Format No.	TRF-02
M/s. Admark Polycoats Pvt. Ltd.	ULR No.	TC815321000001733F
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara	Report Date	13.07.2021

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2021/07/6503
Date of Sampling	07.07.2021	Report No.	ECS/SA/2021/07/6503
Sample Collected by	Mr.Hitesh	Sampling Method	IS 11255
Customer Representative	Mr.Suresh Bahadur	Sampling Time	15:20 pm
Packing / Seal	Packing	Date of starting of test	08.07.2021
Sampling plan ID	ECS/SP/21/318	Date of Completion of test	09.07.2021

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	33
Stack gas temperature	°C	94
Stack gas velocity	m/s	10.74
Fuel used	-	HSD
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1	Particulate Matter	mg/Nm ³	89.71	150	IS 11255 (Part 1): 1985, Reaffirmed 2019
... ..End of Test Report.....					

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Authorized Signatory
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Field Remarks: Nil

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

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TEST REPORT

Name & Address of Customer	Format No.	TRF-02N
M/s. Admark Polycoats Pvt. Ltd.	Report No.	ECS/SA/APP/21/07/1672
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara	Report Date	13.07.2021

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2021/07/6503
Date of Sampling	07.07.2021	Sampling Method	IS 11255
Sample Collected by	Mr.Hitesh	Sampling Time	15:20 pm
Customer Representative	Mr.Suresh Bahadur	Date of starting of test	08.07.2021
Packing / Seal	Packing	Date of Completion of test	09.07.2021
Sampling plan ID	ECS/SP/21/318		

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	33
Stack gas temperature	°C	94
Stack gas velocity	m/s	10.74
Fuel used	-	HSD
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1.	SO ₂	ppm	2.42	100	IS 11255 (Part 2): 1985, Reaffirmed 2019
2.	NO ₂	ppm	15.26	50	IS 11255 (Part 7): 2005, Reaffirmed 2017
.....End of Test Report.....					

Note:

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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. N.D Not Detected.

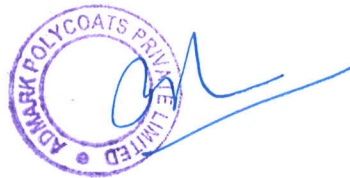
Authorized Signatory
Gaurang Parmar(QM)/Jeetendra Bhavnani(TM)
Field Remarks: Nil

ANNEXURE – B4
DETAILS FOR WATER CONSUMPTION

Sr. No.:	Month	Water Consumption (Domestic + Cooling) (in kL)
1.	January-21	265
2.	February-21	412
3.	March-21	555
4.	April-21	516
5.	May-21	481
6.	June-21	354
Average		430.5

Notes:

Average water consumption from the data is approximately 16.55 KLD.



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(ENVIRONMENTAL CONSULTANTS & ENGINEERS)

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

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



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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-03
ULR No.	TC815321000001158F
Report Date	01.05.2021

Description of Sample	Ambient Air	Lab ID Code	ECS/AA/2021/04/5746
Date of Sampling	24.04.2021	Report No.	ECS/AA/2021/04/5746
Sample Collected by	Mr.Hitesh	Sampling Method	IS 5182
Customer Representative	Mr.Suresh Bahadur	Sampling Time	9:00 am
Packing / Seal	Packing	Date of starting of test	27.04.2021
Sampling plan ID	ECS/SP/21/201	Date of Completion of test	27.04.2021

RESULT TABLE

Sampling Location	Nr.Main Gate
Sampling Height	3.5 m
Meteorological Data / Environmental Conditions	
Ambient Temperature, °C	28.9
Humidity, %	18
Barometric Pressure, mmHg	755.2

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1	Particulate Matter -10, PM ₁₀	µg/m ³	50.38 ✓	100	IS 5182 (Part - 23) - 2006 Reaffirmed 2017
2	Particulate Matter -2.5, PM _{2.5}	µg/m ³	21.20 ✓	60	LAB-SOP-03 Issue No: -01 Issue Date: - 20.02.2020
3	SO ₂	µg/m ³	<5 ✓	80	IS 5182 (Part - 2) - 2001 Reaffirmed 2017
4	NO ₂	µg/m ³	<5 ✓	80	IS 5182 (Part - 6) - 2006 Reaffirmed 2017

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

Note:

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Authorized Signatory
Gaurang Parmar(QM)/Jeetendra Bhavnani(TM)
Field Remarks: Nil



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(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



TC-8153

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-03
ULR No.	TC815320000001159F
Report Date	01.05.2021

Description of Sample	Ambient Air	Lab ID Code	ECS/AA/2021/04/5747
Date of Sampling	24.04.2021	Report No.	ECS/AA/2021/04/5747
Sample Collected by	Mr.Hitesh	Sampling Method	IS 5182
Customer Representative	Mr.Suresh Bahadur	Sampling Time	09:30 am
Packing / Seal	Packing	Date of starting of test	27.04.2021
Sampling plan ID	ECS/SP/21/201	Date of Completion of test	27.04.2021

RESULT TABLE

Sampling Location	Nr.Weigh Bridge
Sampling Height	3.5 m
Meteorological Data / Environmental Conditions	
Ambient Temperature, °C	28.9
Humidity, %	17
Barometric Pressure, mmHg	755.2

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1	Particulate Matter -10, PM ₁₀	µg/m ³	47.77	100	IS 5182 (Part - 23) - 2006 Reaffirmed 2017
2	Particulate Matter -2.5, PM _{2.5}	µg/m ³	24.18	60	LAB-SOP-03 Issue No: -01 Issue Date: - 20.02.2020
3	SO ₂	µg/m ³	<5	80	IS 5182 (Part - 2) - 2001 Reaffirmed 2017
4	NO ₂	µg/m ³	<5	80	IS 5182 (Part - 6) - 2006 Reaffirmed 2017

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

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Authorized Signatory
Gaurang Parmar(QM)/Jeetendra Bhavnani(TM)
Field Remarks: Nil

Seen
[Signature]



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TEST REPORT

Name & Address of Customer	Format No	TRF-03
M/s. Admark Polycoats Pvt. Ltd.	ULR No.	TC815321000001729F
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara	Report Date	13.07.2021

Description of Sample	Ambient Air	Lab ID Code	ECS/AA/2021/07/6499
Date of Sampling	07.07.2021	Report No.	ECS/AA/2021/07/6499
Sample Collected by	Mr.Hitesh	Sampling Method	IS 5182
Customer Representative	Mr.Suresh Bahadur	Sampling Time	9:00 am
Packing / Seal	Packing	Date of starting of test	08.07.2021
Sampling plan ID	ECS/SP/21/318	Date of Completion of test	09.07.2021

RESULT TABLE

Sampling Location	Nr.Main Gate
Sampling Height	3.5 m
Meteorological Data / Environmental Conditions	
Ambient Temperature, °C	32.4
Humidity, %	68
Barometric Pressure, mmHg	755.2

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1	Particulate Matter -10, PM ₁₀	µg/m ³	52.58 ✓	100	IS 5182 (Part - 23) - 2006 Reaffirmed 2017
2	Particulate Matter -2.5, PM _{2.5}	µg/m ³	12.34 ✓	60	LAB-SOP-03 Issue No: -01 Issue Date: - 20.02.2020
3	SO ₂	µg/m ³	7.78 ✓	80	IS 5182 (Part - 2) - 2001 Reaffirmed 2017
4	NO ₂	µg/m ³	6.77 ✓	80	IS 5182 (Part - 6) - 2006 Reaffirmed 2017
... ..End of Test Report.....					

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Field Remarks: Nil



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TEST REPORT

Name & Address of Customer	Format No	TRF-03
M/s. Admark Polycoats Pvt. Ltd.	ULR No.	TC815320000001730F
Survey No. 207, Vill: Luna, Ta: Padra, Di: Vadodara	Report Date	13.07.2021

Description of Sample	Ambient Air	Lab ID Code	ECS/AA/2021/07/6500
Date of Sampling	07.07.2021	Report No.	ECS/AA/2021/07/6500
Sample Collected by	Mr.Hitesh	Sampling Method	IS 5182
Customer Representative	Mr.Suresh Bahadur	Sampling Time	09:30 am
Packing / Seal	Packing	Date of starting of test	08.07.2021
Sampling plan ID	ECS/SP/21/318	Date of Completion of test	09.07.2021

RESULT TABLE

Sampling Location	Nr.Weigh Bridge
Sampling Height	3.5 m
Meteorological Data / Environmental Conditions	
Ambient Temperature, °C	32.4
Humidity, %	64
Barometric Pressure, mmHg	755.2

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1	Particulate Matter -10, PM ₁₀	µg/m ³	29.63	100	IS 5182 (Part - 23) - 2006 Reaffirmed 2017
2	Particulate Matter -2.5, PM _{2.5}	µg/m ³	10.61	60	LAB-SOP-03 Issue No: -01 Issue Date: - 20.02.2020
3	SO ₂	µg/m ³	5.19	80	IS 5182 (Part - 2) - 2001 Reaffirmed 2017
4	NO ₂	µg/m ³	5.82	80	IS 5182 (Part - 6) - 2006 Reaffirmed 2017

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

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Authorized Signatory
Gaurang Parmar(QM)/Jeetendra Bhavnani(TM)
Field Remarks: Nil

Jeetendra



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ENVIRONMENTAL MONITORING REPORT

Report No : PIL/ANL/2021/04/01

<u>LABORATORY REPORT- Noise</u>		
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	24.04.2021
Sampling Time	Day time: 6:00AM to 10:00 PM, Night time: 10:00 PM to 6:00AM
Reporting Date	01.05.2021

Ambient Noise level Data Sheet

Sr. No.	Location	Day Time Noise Level dB(A)	Night Time Noise Level dB(A)
1	Near Main Gate	68.4 /	64.9 /
2	Near Security cabin	65.7 /	63.2 /
3	Near ADM Office	59.7 /	55.7 /
4	Near Q.C Lab	63.4 /	60.8 /
5	Near R&D Lab	64.7 /	61.2 /
6	Near Utility Area	69.4 /	66.4 /
7	Near Production Plant (Ground Floor)	67.3 /	65.1 /
8	Near Production Plant (First Floor)	66.9 /	63.3 /
9	Near Ware House	68.7 /	64.7 /
10	Near Storage Area	66.1 /	62.5 /
11	Near D.G Set -320KVA	72.7 /	68.9 /

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

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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ENVIRONMENTAL MONITORING REPORT

Report No : PIL/ANL/2021/07/02

<u>LABORATORY REPORT- Noise</u>		
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	07.07.2021
Sampling Time	Day time: 6:00AM to 10:00 PM, Night time: 10:00 PM to 6:00AM
Reporting Date	13.07.2021

Ambient Noise level Data Sheet

Sr. No.	Location	Day Time Noise Level dB(A)	NightTime Noise Level dB(A)
1.	Main Gate	68.4 ✓	66.7 ✓
2.	Material Gate	69.1 ✓	65.4 ✓
3.	Back Side Storage Area	67.4 ✓	64.4 ✓

Permissible Limits as per GPCB: Day Time :75dB(A) Night Time:70 dB(A)

Recorded by : Sanjay Patel

Approved by : 

Note :

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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, 2021.

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 : **16/06/2020**

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	: 5.08
Domestic (incl. Gardening)	: 21.30

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		0.08	0.08
5. Nonyl Phenol		0.002	0.002
6. Soya Fatty Acid		0.005	0.005
7. Others (Xylene, Butanol, Dimer Acid, Ethyl Ether of Glycol)		0.25	0.25

*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	241 litres in storage at the end of Mar'20	345 Liters in storage at the end of Mar'21
	Discarded drums/ barrels	12000 Nos. (18.0 MT) disposed to M/s Maruti Enterprise & 27 Nos. (0.405 MT) in storage at the end of March'20.	1500 NOS. (27.00 MT) disposed to M/s. Maruti Enterprise & 04 Nos.(0.072 MT) in storage at the end of March'21.
	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		}	}
(b)	From pollution control facilities			
(c)	(1)	Quantity recycled/reutilized within the unit		
	(2)	Sold		
	(3)	Disposed		

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)

For Admark Polycroats Private Limited



Authorised Signatory

Date: 08/04/2021

Name : **Mr. K.N. Aras**

Designation : **CEO**

Address : **S. Nos. 206 & 207,
Village Luna, Tal. Padra,
District Vadodara,
Gujarat.**

Enviro Infrastructure Co Ltd.
Umreya, Ta Pedara, Vadodara

Formal FM20
ISO 9001:2015
Amend 0

Analysis Result From : 01-03-2021 To: 31-03-2021

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	Resi CL2 mg/L	COD Kgs	Resi CL2 Kgs
1	66078	GJ-6-VV-9385	26-03-21 15:55	20.00	7.37	180	4810	882	174	0.00	0	13.6400	0.00
Total Tankers : 1				20.00				882			0	13.64	0.00
Rejected : 0.00													

Seer
17/3

Annexure A

07/04/2021

ECO-CARE SOLUTIONS

(ENVIRONMENTAL & ENGINEERS)

306-307, Dwarakesh Complex, Sun Road, Kothari, Anand, Vadodra - 390 020.
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TC-8153

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
ULR No.	TC815320000001274F
Report Date	18.12.2020

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2020/12/4331
Date of Sampling	09.12.2020	Report No.	ECS/SA/2020/12/4331
Sample Collected by	Mr.Hitesh	Sampling Method	IS 11255
Customer Representative	Mr.Suresh Bahadur	Sampling Time	13:15 pm
Packing / Seal	Packing	Date of starting of test	10.12.2020
Sampling plan ID	ECS/SP/20/331	Date of Completion of test	11.12.2020

RESULT TABLE

Particulars	-	Detail
Stack attached to	-	Boiler TP-201
Stack height above ground level	m	18
Stack Diameter at sampling point	mm	300
Ambient Temperature	°C	31
Stack gas temperature	°C	109
Stack gas velocity	m/s	7.00
Fuel used	-	LDO
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1	Particulate Matter	mg/Nm ³	11.48	150	IS 11255 (Part 1): 1985, Reaffirmed 2019
2	SO ₂	ppm	<5	100	IS 11255 (Part 2): 1985, Reaffirmed 2019
3	NO ₂	ppm	<5	50	IS 11255 (Part 7): 2005, Reaffirmed 2017

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

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Authorized Signatory
Gaurang Parmar(QM)/Jeetendra Bhavnani(TM)
Field Remarks: Nil



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TC-8153

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
ULR No.	TC815320000001273F
Report Date	18.12.2020

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2020/12/4330
Date of Sampling	09.12.2020	Report No.	ECS/SA/2020/12/4330
Sample Collected by	Mr.Hitesh	Sampling Method	IS 11255
Customer Representative	Mr.Suresh Bahadur	Sampling Time	10:45 am
Packing / Seal	Packing	Date of starting of test	10.12.2020
Sampling plan ID	ECS/SP/20/331	Date of Completion of test	11.12.2020

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	30
Stack gas temperature	°C	105
Stack gas velocity	m/s	6.85
Fuel used	-	LDO
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1	Particulate Matter	mg/Nm ³	<10	150	IS 11255 (Part 1): 1985, Reaffirmed 2019
2	SO ₂	ppm	<5	100	IS 11255 (Part 2): 1985, Reaffirmed 2019
3	NO ₂	ppm	7.17	50	IS 11255 (Part 7): 2005, Reaffirmed 2017
... ..End of Test Report... ..					

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Authorized Signatory
Gaurang Parmar(QM)/Jeeendra-Bhavnani(FM)
Field Remarks: Nil



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TEST REPORT

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

Format No.	TRF-02
ULR No.	TC815320000001275F
Report Date	18.12.2020

Description of Sample	Stack Emission	Lab ID Code	ECS/SA/2020/12/4332
Date of Sampling	09.12.2020	Report No.	ECS/SA/2020/12/4332
Sample Collected by	Mr.Hitesh	Sampling Method	IS 11255
Customer Representative	Mr.Suresh Bahadur	Sampling Time	15:55 pm
Packing / Seal	Packing	Date of starting of test	10.12.2020
Sampling plan ID	ECS/SP/20/331	Date of Completion of test	11.12.2020

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	32
Stack gas temperature	°C	93
Stack gas velocity	m/s	10.96
Fuel used	-	HSD
Condition of sampling platform & port	-	Satisfactory
Air Pollution control device	-	--
No. of Traverse points	-	04

Sr	Parameter	Unit	Result	Prescribed Norms	Test Method
1	Particulate Matter	mg/Nm ³	13.04	150	IS 11255 (Part 1): 1985, Reaffirmed 2019
2	SO ₂	ppm	<5	100	IS 11255 (Part 2): 1985, Reaffirmed 2019
3	NO ₂	ppm	7.21	50	IS 11255 (Part 7): 2005, Reaffirmed 2017

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

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Authorized Signatory
Gaurang Parmar(QM)/Jeetendra Bhavnani(TM)
Field Remarks: Nil

