

JVL/EHS/ENV/2022/366

November 22, 2022

To,
Shri V.K. Singh, IFS
Additional Principal Chief Conservator of Forests (C)
Ministry of Environment, Forest & Climate Change
Regional office (Central Zone)
Kendriya Bhawan, 5th Floor, Sector 'H'
Aliganj, Lucknow- 226020

Sub.: Submission of compliance for the period of April'22 to Sept'22 against the general and specific conditions of Environmental Clearance granted to us vide letter no. 1795/Parya/SEAC/1188/2011/TA(J) DT. 12th Oct. 2013 for expansion of manufacturing plants for synthetic organic chemicals products of Jubilant Ingrevia Ltd. at Gajraula, Amroha U.P.

Ref.: 1.File no. VII / ENV / SCI-UP / 852 / 2014 / 90 DT. 11.09.2015.
2.Ref. no. 1795/Parya/SEAC/1188/2011/TA(J) DT. 12.10.2013.
3.Extension of Environment clearance 1795/PARYA/ SEAC/1188/2011 /TA(J) Dt.12.10.2013 up to 11/10/2023 vide Minutes of 626th SEAC-2 Meeting Dated 17/02/2022.

Dear Sir,

In compliance of the standard guidelines of Ministry of Environment, Forest and Climate change, we are submitting herewith compliance report of General and specific conditions of EC granted to us vide letter no. 1795/Parya/SEAC/1188/2011/TA(J) DT. 12th Oct 2013 for expansion of manufacturing plants for synthetic organic chemicals as **Annexure -1**.

We would also like to inform you that, we executed the project for capacity expansion, through adoption of improved SOPs, Process Innovations and Digital technologies for debottlenecking of existing facilities resulting in enhanced efficiencies of raw material conversion, Improved raw material quality, reduced equipment outage and thereafter addition of balancing equipment.

Page 1 of 2

A Jubilant Bhartia Company

OUR VALUES



Jubilant Ingrevia Limited
Bhartiagram, Gajraula
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www.jubilantingrevia.com

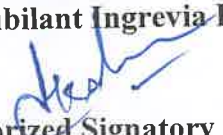
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Regd Office:
Bhartiagram, Gajraula
Distt. Amroha - 244 223
Uttar Pradesh, India
CIN : U24299UP2019PLC122657

We have re-filed application seeking grant of Consent to Establish for validity extension from the UPCCB and the same is under consideration.

We assure you of our continued commitment for environment protection and compliances.

**Thanking you,
Yours faithfully,
For Jubilant Ingrevia Limited**


**Authorized Signatory
Himanshu Kumar Shukla
(Site Head)**

Enclosures:

Annexure 1: Compliance of conditions of Environmental Clearance

Annexure-2: Minutes of 626th SEAC-2 Meeting Dated 17/02/2022

CC: 1) The Member Secretary, UPCCB, Lucknow.

CC: 2) Regional officer, UPCCB, Bijnor

Disclosure: All information provided/submitted herewith is commercial confidential data/information, trade secrets and/or intellectual property(s) etc. of the Company or its group Companies. The Company humbly requests you to treat the data/information submitted herewith as "Strictly Confidential", and not to provide/disclose/share any data/information to any third person/party as the same is exempted from disclosure under Section 8 of the Right to Information Act, 2005 ("RTI Act"). In the event of any person makes any application to you seeking any information about the Company, the Company requests you to please issue a prior written notice to the Company along with reasonable opportunity of representation to the Company as envisaged under Section 11(1) of the RTI Act. No disclosure of any data/information can be made to any third person/party without Company's consent under the provisions of the RTI Act.

Compliance of Conditions of Environmental Clearance Ref. no. 1795 / Parya / SEAC / 1188 /2011/TA(J) DT. 12.10.2013.

S. No.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
1	National Emissions Standards for Organic Chemicals Manufacturing industry issued by the Ministry vide G.S.R 608(E) DATED 21 July, 2010 and amended time to time shall be followed by the unit.	Being complied. The same shall be maintained.
2	Multi-cyclone followed by bag filter shall be provided to the coal fired boiler to control particulate emissions within permissible limit. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/UPPCB guidelines.	Coal fired boiler is equipped with 3-field Electro-Static Precipitators, as against Multi-cyclone followed by bag filters, to ensures the emissions levels well within the limit, higher collection efficiency and high reliability of operation. The gaseous emissions are dispersed through stack of adequate height (85 Mtr) provided in compliance to CPCB guidelines.
3	Two stage scrubbers with caustic lye media solution shall be provided to process vents to control SO ₂ . The scrubbing media shall be sent to effluent treatment plant (ETP) for treatment. Efficiency of scrubber shall be monitored regularly and maintained properly. At no time, the emission levels shall go beyond the prescribed standards. Scrubbers vent shall be provided with on-line detection and alarm system to indicate higher than permissible value of controlled parameters.	<p>The proposed expansion does not propose any process resulting in release of SO₂. All process vents are connected to vent collection system and scrubbed for any odor causing gaseous emissions.</p> <p>The boilers are operating on a mix of Indian and Imported coal that shall maintain the Sulphur content below 1% and stack height as per CPCB guidelines. Hence the SO₂ emission from stack always remain within prescribed limits.</p> <p>The online detection system is provided on the stack and connected to UPPCB and CPCB server.</p>
4	Ambient air quality data shall be collected as per NAAQES standards notified by the Ministry vide G.S.R No. 826 (E) dated 16th September 2009. The levels of PM ₁₀ , SO ₂ , NO _x , VOC and CO should be monitored in ambient air and emissions from the stack and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its 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 Uttar Pradesh Control Board (UPPCB).	Ambient air quality is monitored monthly for PM ₁₀ , SO _x , NO _x , VOC and CO along the plant boundary in consultation with UPPCB. The monitored results are displayed at the main gate of the plant. The results are also submitted to the concerned authorities accordingly. Monitored data are uploaded on company website along with EC compliance report. Latest Ambient Air Quality reports are attached as Annexure 1.1

S. No.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
5	In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits stipulated by the UPPCB.	Control measures for Fugitive emission implemented, including a combination of construction of closed storage tanks, closed handling and conveying system for chemicals/materials, Vent collection system, vent chillers, vent condensers, double seal pumps, Nitrogen Blanketing, breather valves, dust suppression system, etc., are installed in the facility. The fugitive emission are regularly monitored and confirm to prescribed limits stipulated by UPPCB.
6	For further control of fugitive emissions, following steps shall be followed;	Noted.
a	Closed handling system shall be provided for chemicals	Closed handling system is implemented for all chemicals.
b	Reflux condenser shall be provided over reactor	Reflux Condenser provided.
c	System of leak detection and repair of pumps/pipeline based on preventive maintenance.	System of leak detection and repair of pumps/pipeline based on preventive maintenance is implemented.
d	The acids shall be taken from storage tanks to reactors through closed pipeline.	Acid is being transferred from storage tanks to reactor through closed pipelines.
e	Storage tanks shall be vented through trap receiver and condenser operated on chilled water.	The system is implemented.
f	Cathodic protection shall be provided to the underground solvent storage tanks.	Complied. Cathodic protection is provided to underground tanks.
7	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	Complied. DG of capacity 10.5 MW are installed with stack height of 55 meter meeting the stipulated norms for DG sets. Acoustic insulation for Noise is installed to reduce noise.
8	Solvent management shall be carried out as follows;	
a	Reactor shall be connected to chilled brine condenser system	Complied. The system is implemented.

S. No.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
b	Reactor and solvent handling pump shall have mechanical seals to prevent leakages.	Complied. The system is implemented.
c	The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery.	Complied. The system is implemented.
d	Solvents shall be stored in a separate space specified with all safety measures.	Complied. Dedicated tank farm with safety measures are installed.
e	Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.	Complied.
f	Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.	Flameproof equipment as per zone classification is provided throughout the plant.
g	All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	Complied. The system is implemented.
9	Total fresh water requirement from ground water source shall not exceed 48.47 m ³ /day and prior permission shall be obtained from the CGWA/SGWA.	As detailed in the EIA report (Page 1-54 -Figure 2.4 - proposed water balance), We have proposed an increase in water consumption from the present 15224 cum/day to 17787 cum/day, an additional water requirement of 2563 cum/day for the proposed expansion. The stipulated condition is erroneously mentioned as 48.47 cum/day. NoC has been obtained from SGWA.
10	Trade effluent shall be segregated into high COD/TDS and Low COD/TDS effluent streams. High TDS/COD effluent shall be passed through stripper followed by MEE and ATFD (agitated thin film drier). Low TDS effluent stream shall be treated in ETP and then passed through RO system. Condensate and recover water shall be recycled/reused within factory premises. 'Zero' effluent discharge shall be adopted and no effluent will be discharged outside the premises.	Complied with, as proposed in the EIA report (Page 1-54 para 2.5.1) detailed below. A) Formaldehyde expansion - No process effluent generation. Only approx. 2.0 KLD of washings etc. which is being generated and treated in existing CETP having sufficient capacity. Treated effluent is being reused. B) Pyridine & Picoline and derivatives: The generated effluent is stripped through distillation column to remove volatiles followed by MEE's and liquid incinerators. The recovered condensate is reused as Cooling Tower make up after appropriate treatment as required, if any. Thus complete Zero Discharge from Process effluent is being maintained. ATFD is installed to treat effluent generated from Pyridine and Picoline derivatives, to achieve ZLD.

S. No.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
11	Hazardous chemicals shall be stored in tank, tank farms drums, carboys etc. Flame arresters shall be provide on tank firm. Solvent transfer shall be by pump.	Complied.
12	As proposed, process organic residue and spent carbon should be sent to cement industries. ETP sludge, process inorganic and evaporation salt should be disposed off to the TSDF. The fly ash from boiler should be sold to brick manufacturers/cement industry.	<p>a) The organic residue is utilized as a support fuel in captive incinerators in compliance to Rule 9 of the H&OWM Rules 2016. Also this has been included in our hazardous waste authorization.</p> <p>b) As proposed during the EIA for EC ETP sludge, process inorganic and evaporation salt are being disposed to our captive secured land fill facility, duly authorized by UPPCB.</p> <p>c)The fly ash generated from boiler is being sold for utilization in cement plant and brick manufacturing achieving 100% utilization of Fly ash.</p>
13	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans Boundary Movement) Rules 2008 and amended as on date for management of Hazardous wastes and prior permission from UPPCB shall be obtained for disposal of solid/hazardous waste in the TSDF. Measures shall be taken for firefighting facilities in case of emergency.	<p>Complied.</p> <p>Authorization is obtained from UPPCB. Adequate fire-fighting facilities with dedicated fire water storage, fire tender and fire extinguisher is in place.</p>
14	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.	Complied.
15	Fly ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash and dust shall be avoided.	<p>Complied.</p> <p>The fly ash is being stored in dedicated Silos of 1300 MT. The generated fly Ash is transferred through pneumatic conveying system and ash conditioning with water is installed before loading to bulkers/trucks to prevent air borne ash particles and hence avoid direct exposure of workers to fly ash.</p>
16	The company shall undertake following waste minimization measures: -	

S. No.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
a	Metering and control of quantities of active ingredients to minimize waste.	The system is implemented for monitoring of use of chemicals and intermediates.
b	Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	Reuse of Byproducts/ Wastes from processes where possible is implemented in compliance to Rule 9 of the H&OWM Rules.
c	Use of automated filling to minimize spillage.	Automated filling machine are installed wherever feasible.
d	Use of close feed system into batch reactors.	Complied.
e	Venting equipment through vapor recovery system	Complied.
f	Use of high pressure hoses for equipment clearing to reduce waste water generation.	Complied. Hydro jetting is used for cleaning.
17	The unit shall make the arrangement of protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.	Complied. Risk assessment done and safety fire-fighting system provided as per recommendation.
18	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied. Pre and periodic medical check-up is done for all employees.
19	Green belt shall be developed in minimum 33% plot area of the project.	Complied. Green belt development is our continuous activity that involves plantation every year.
20	Environmental Corporate Responsibility (ECR) plan along with budgetary provision amounting to 2% of total project cost shall be submitted (within three month) on need base assessment study in the study area. Income generating measures which can help in upliftment of weaker section of society consistent with the traditional skills of the people identified. The program can include activities such as old age home, rain water harvesting provision in nearby areas, development of fodder farm, fruit bearing orchards, Vocational training etc. In addition, vocational training for individuals shall be imparted so that poor section of society can take up self-employment shall be specified.	Complied Environment Corporate Responsibility (ECR) plan prepared and implemented based on the need assessed through participatory process with the community around the project.

S. No.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
21	<p>Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction waste shall be managed so that there is no impact on the surrounding environment.</p>	<p>Complied</p> <p>During the construction phase all the unskilled labor were sourced from local villages, hence provision of housing was not require, however all necessary facilities like mobile toilets, safe drinking water and medical healthcare facilities were provided within the premises.</p> <p>Also the skilled labor had facility to reside within the premises in the housing facility provided by the company</p>

S. No.	GENERAL CONDITIONS	COMPLIANCE STATUS
1	The project authorities shall strictly adhere to the stipulations made by the Uttar Pradesh Pollution Control Board.	Noted.
2	No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, U.P. In case of deviations or alterations in the project proposal from those submitted to SEIAA 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.	Noted.
3	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 is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complied The locations of the Ambient Air Quality Monitoring Stations have been decided in consultation with UPPCB and the locations are such decided so as to ensure that maximum ground level concentration can be monitored.
4	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, enclosure 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 70dBA (night time).	Complied. The noise levels in and around the plant are maintained within the stipulated standards. Noise monitoring is being done in and around the plant area and monitoring report is being submitted to UPPCB on regular basis.
5	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Rainwater harvesting for ground water recharge from roof tops of process areas are not done due to risk of ground water contamination. However, Suitable rainwater harvesting facility has been constructed in non-process areas and the harvested rainwater is being recharged to ground. Fresh water conservation is achieved by utilizing all treated sewage and Process effluents, thus operating at ZLD conditions.
6	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. Training to all employees on handling of chemicals shall be imparted.	Complied. Every employee undergoes EHS training, Periodic health check-up every year with close monitoring of past records of health. Handling of chemicals is one of the part of EHS training.
7	Usage of Personnel Protection Equipment (PPEs) by all the employees/workers shall be ensured.	Complied. PPEs are mandatory for each employee and worker.

S. No.	GENERAL CONDITIONS	COMPLIANCE STATUS
8	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the SEIAA. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	Complied.
9	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Complied. CSR activities as per the Company's Act is implemented by assessing the needs of the local people and their participation.
10	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Implemented as part of the CSR activities by involving local community.
11	A separate Environmental Management cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied
12	As proposed, the company shall earmark sufficient funds towards capital cost to implement the conditions stipulated by the SEIAA 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.	Complied.
13	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 who suggestions/representations, if any, were received while processing the proposal.	Complied. A copy of the EC letter was submitted to the Panchayat and Zila Parishad office. There were no suggestion and representations from any local NGO's.
14	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, the respective Zonal Office of CPCB and the UP Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.	Complied. Last report was submitted vide letter no. JVL/EHS/ENV/2022/139 dated 28.05.2022 and the same has been uploaded on company website.

S. No.	GENERAL CONDITIONS	COMPLIANCE STATUS
15	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 by e-mail.	Complied. Last report was submitted vide letter no. JVL/EHS/ENV/2022/170 Dtd. 24.05.2022 and the same has been uploaded on company website.
16	The project proponent shall inform the public that the project has been accorded environmental clearance by the SEIAA and copies of the clearance letter are available with the SPCB/Committee. 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.	Complied. The details of the EC granted was published in two newspapers namely Shah Times and Awam-E-HIND on 27.02.2014 A copy of the same has been submitted to MoEF & CC.
17	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.	Noted.



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TC-6308

Annexure-1
Laboratory: B-118 Phase II, Noida, UP.201305
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E-mail: support@aeslabs.com
GST IN: 09AAACP0857B1ZQ
MSME No.: UP28E0011437
CIN No.: U74899DL1991PTC045168

DIGITAL TEST CERTIFICATE

Issued To: Jubilant Ingrevia Limited
NH-24, Bhartiagram, Distt. Amroha, J.P. Nagar,
Gajraula, Uttar Pradesh - 244223

Report No: 13-190922-08
Report Date: 24/09/2022
Sample Received On: 19/09/2022
Sampled By: AES Labs (SM 1.1)

Purpose: For Self Assessment Only

Sampling Start Date: 15/09/2022
Sampling End Date: 16/09/2022

Description: Ambient Air, Location: EOU Area, Date of Sampling: 15/09/2022 to 16/09/2022

Analysis Start Date: 19/09/2022
Analysis End Date: 24/09/2022

Page 1 of 2

Ambient Air Quality (AAQ) package as per new Notifications

SAMPLING DETAILS

Objective of monitoring :	Ambient Air Quality
Methodology of monitoring :	Time Averaged in Situ Monitoring
Date of sampling :	15/09/2022 to 16/09/2022
Location of Sampling point :	EOU Area
Location of sampler :	1.5 mt Above the Ground Level
Sampling started at :	3:00PM
Sampling completed at :	3:00PM
Actual time of sampling (hrs) :	24
Average flow rate for particulate matter (m ³ /min) :	1.25
Total volume of air sampled for particulate matter (m ³) :	1800

WEATHER CONDITIONS

Average ambient temperature (°C) :	36
General weather condition :	Clear Sky

S.No.	Parameter	Test Method	Results	Units	Limits as per CPCB
Chemical					
Atmospheric Pollution					
Chemical Analysis					
1	Ammonia (as NH ₃)	IS 5182 (Pt-25) : 2018	38.7	µg/m ³	Max 400
2	Arsenic	NAAQMS/36 Vol-1 CPCB:2013	BLQ (<1)	ng/m ³	Max 6
3	Benzene (C ₆ H ₆)	IS 5182 (Pt-11) : 2006	BLQ (<1)	µg/m ³	Max 5
4	Benzo(a) pyrene	IS 5182 (Pt-12) : 2004	BLQ (<0.2)	ng/m ³	Max 1
5	Carbon Monoxide (CO)	IS 5182 (P-10) : 1999	1.6	mg/m ³	Max 4
6	Lead (as Pb)	IS 5182 (Pt-22) : 2004	BLQ (<0.1)	µg/m ³	Max 1

Digitally Signed By: Jitendra Gupta
G.M (Environment Lab)
AES Laboratories (P) LTD.
Date: 01/10/2022 04:19:49

Note: This certificate is digitally signed and does not require a physical signature.

Terms & Conditions

- The results indicated only refer to the tested samples and listed parameters and do not endorse any product.
- Total liability of the laboratory is limited to the invoiced amount.
- This certificate shall not be reproduced wholly or in part without prior written consent of the laboratory.
- Samples received shall be destroyed after four weeks from the date of issue of the certificate unless specified otherwise.
- This certificate shall not be used in any advertising media or as evidence in the court of law without prior written consent of the laboratory.

AES/QCD/F-7.8-I



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E-mail: support@aeslabs.com
GST IN: 09AAACP0857B1ZQ
MSME No.: UP28E0011437
CIN No.: U74899DL1991PTC045168

DIGITAL TEST CERTIFICATE

Issued To: Jubilant Ingrevia Limited
NH-24, Bhartiagram, Distt. Amroha, J.P. Nagar,
Gajraula, Uttar Pradesh - 244223

Report No: 13-190922-08
Report Date: 24/09/2022
Sample Received On: 19/09/2022
Sampled By: AES Labs (SM 1.1)

Purpose: For Self Assessment Only

Sampling Start Date: 15/09/2022
Sampling End Date: 16/09/2022

Description: Ambient Air, Location: EOU Area, Date of Sampling: 15/09/2022 to 16/09/2022

Analysis Start Date: 19/09/2022
Analysis End Date: 24/09/2022

Page 2 of 2

Ambient Air Quality (AAQ) package as per new Notifications

S.No.	Parameter	Test Method	Results	Units	Limits as per CPCB
7	Nickel	IS 5182 (Pt-26) : 2020	BLQ (<1)	ng/m ³	Max 20
8	Nitrogen Dioxide (NO ₂)	IS 5182 (Pt-6) : 2006	28	µg/m ³	Max 80
9	Ozone (O ₃)	IS 5182 (Pt-9) : 1974	28.2	µg/m ³	Max 180
10	Particulate Matter (PM 10)	IS 5182 (Pt-23) : 2006	81	µg/m ³	Max 100
11	Particulate Matter (PM 2.5)	IS 5182 (Pt-24) : 2019	48	µg/m ³	Max 60
12	Sulphur Dioxide (SO ₂)	IS 5182 (Pt-2) : 2001	19	µg/m ³	Max 80



Note(s): BLQ means Below Limit of Quantification. The values enclosed in brackets are the limit of Quantification of the mentioned test method.



Verify

Digitally Signed By: Jitendra Gupta
G.M (Environment Lab)
AES Laboratories (P) LTD.
Date: 01/10/2022 04:19:49

Note: This certificate is digitally signed and does not require a physical signature.

Terms & Conditions

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- Samples received shall be destroyed after four weeks from the date of issue of the certificate unless specified otherwise.
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AES/QCD/F-7.8-I



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E-mail: support@aeslabs.com
GST IN: 09AAACP0857B1ZQ
MSME No.: UP28E0011437
CIN No.: U74899DL1991PTC045168

DIGITAL TEST CERTIFICATE

Issued To: Jubilant Ingrevia Limited
NH-24, Bhartiagram, Distt. Amroha, J.P. Nagar,
Gajraula, Uttar Pradesh - 244223

Report No: 13-190922-04
Report Date: 24/09/2022
Sample Received On: 19/09/2022
Sampled By: AES Labs (SM 1.1)

Purpose: For Self Assessment Only

Sampling Start Date: 13/09/2022
Sampling End Date: 14/09/2022

Description: Ambient Air, Location: CETP Area, Date of Sampling: 13/09/2022
to 14/09/2022

Analysis Start Date: 19/09/2022
Analysis End Date: 24/09/2022

Page 1 of 2

Ambient Air Quality (AAQ) package as per new Notifications

SAMPLING DETAILS

Objective of monitoring :
Methodology of monitoring :
Date of sampling :
Location of Sampling point :
Location of sampler :
Sampling started at :
Sampling completed at :
Actual time of sampling (hrs) :
Average flow rate for particulate matter (m³/min) :
Total volume of air sampled for particulate matter (m³) :

Ambient Air Quality
Time Averaged in Situ Monitoring
13/09/2022 to 14/09/2022
CETP Area
1.5 mt Above the Ground Level
12:00 PM
12:00 PM
24
1.25
1800

WEATHER CONDITIONS

Average ambient temperature (°C) :
General weather condition :

39
Clear Sky

S.No.	Parameter	Test Method	Results	Units	Limits as per CPCB
	Chemical				
	Atmospheric Pollution				
	Chemical Analysis				
1	Ammonia (as NH ₃)	IS 5182 (Pt-25) : 2018	42.3	µg/m ³	Max 400
2	Arsenic	NAAQMS/36 Vol-1 CPCB:2013	BLQ (<1)	ng/m ³	Max 6
3	Benzene (C ₆ H ₆)	IS 5182 (Pt-11) : 2006	BLQ (<1)	µg/m ³	Max 5
4	Benzo(a) pyrene	IS 5182 (Pt-12) : 2004	BLQ (<0.2)	ng/m ³	Max 1
5	Carbon Monoxide (CO)	IS 5182 (P-10) : 1999	2.1	mg/m ³	Max 4
6	Lead (as Pb)	IS 5182 (Pt-22) : 2004	BLQ (<0.1)	µg/m ³	Max 1

Digitally Signed By: Jitendra Gupta
G.M (Environment Lab)
AES Laboratories (P) LTD.
Date: 01/10/2022 04:15:21

Note: This certificate is digitally signed and does not require a physical signature.

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AES/QCD/F-7.8-I



AES LABORATORIES (P) LTD.
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E-mail: support@aeslabs.com
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MSME No.: UP28E0011437
CIN No.: U74899DL1991PTC045168

DIGITAL TEST CERTIFICATE

Issued To: Jubilant Ingrevia Limited
NH-24, Bhartiagram, Distt. Amroha, J.P. Nagar,
Gajraula, Uttar Pradesh - 244223

Report No: 13-190922-04
Report Date: 24/09/2022
Sample Received On: 19/09/2022
Sampled By: AES Labs (SM 1.1)

Purpose: For Self Assessment Only

Sampling Start Date: 13/09/2022
Sampling End Date: 14/09/2022

Description: Ambient Air, Location: CETP Area, Date of Sampling: 13/09/2022
to 14/09/2022

Analysis Start Date: 19/09/2022
Analysis End Date: 24/09/2022

Page 2 of 2

Ambient Air Quality (AAQ) package as per new Notifications

S.No.	Parameter	Test Method	Results	Units	Limits as per CPCB
7	Nickel	IS 5182 (Pt-26) : 2020	BLQ (<1)	ng/m ³	Max 20
8	Nitrogen Dioxide (NO ₂)	IS 5182 (Pt-6) : 2006	35	µg/m ³	Max 80
9	Ozone (O ₃)	IS 5182 (Pt-9) : 1974	32.4	µg/m ³	Max 180
10	Particulate Matter (PM 10)	IS 5182 (Pt-23) : 2006	78	µg/m ³	Max 100
11	Particulate Matter (PM 2.5)	IS 5182 (Pt-24) : 2019	46	µg/m ³	Max 60
12	Sulphur Dioxide (SO ₂)	IS 5182 (Pt-2) : 2001	21	µg/m ³	Max 80



Note(s): BLQ means Below Limit of Quantification. The values enclosed in brackets are the limit of Quantification of the mentioned test method.



Digitally Signed By: Jitendra Gupta
G.M (Environment Lab)
AES Laboratories (P) LTD.
Date: 01/10/2022 04:15:21

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AES/QCD/F-7.8-I

Minutes of 626th SEAC-2 Meeting Dated 17/02/2022

The 626th meeting of SEAC-2 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 11:00 AM on 17/02/2022. Following members participated in the meeting:

- | | | |
|----|-----------------------------|-----------------------------|
| 1. | Dr. Harikesh Bahadur Singh, | Chairman, SEAC-2 |
| 2. | Dr. Amrit Lal Haldar, | Member, SEAC-2 (through VC) |
| 3. | Dr. Dineshwar Prasad Singh, | Member, SEAC-2 (through VC) |
| 4. | Shri Tanzar Ullah Khan, | Member, SEAC-2 |
| 5. | Prof. Jaswant Singh, | Member, SEAC-2 |
| 6. | Dr. Shiv Om Singh, | Member, SEAC-2 (through VC) |

The Chairman welcomed the members to the 626th SEAC-2 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer, SEAC-2 informed the committee that the agenda has been approved by the Member Secretary, SEAC-2/Director Environment. Nodal Officer, SEAC-2 placed the agenda items along with the available file and documents before the SEAC-2.

1. Amendment in Group Housing at Plot No.- SC-02/D, Sector- 150, Noida, District- Gautam Buddha Nagar, U.P., M/s Samridhi Infra Square Pvt. Ltd. File No. 3271/Proposal No. SIA/UP/MIS/208780/2021

The committee noted that the matter was earlier discussed in 549th SEAC meeting dated 15/07/2021 and directed the project proponent to submit following information:

1. NOC from Airport Authority of India as per revised proposal.
2. Protection measure against impact of lighting.
3. NOC from competent authority regarding discharge of treated effluent.
4. NOC from Ground Water Authority regarding extraction of ground water.
5. Plan for antismog guns to reduce dust during construction phase.
6. Detailed plantation plan.
7. In the layout plan of the project, location of proposed STP, solid waste (MSW), collection & disposal points and DG sets should be marked.
8. Plan for disposal of solid waste as per MoEF&CC, GoI & CPCB guidelines.
9. Revised water balance diagram.

The project proponent submitted their replies vide letter dated 09/09/2021. The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. The project proponent informed that the environmental clearance for the project has already been issued by SEIAA, UP, vide letter no. 76/Praya/SEAC/3271/2015/OSD(T) dated 13/04/2016, for the plot area 40,186.45 m², built up area 1,63,902 m². Due to revision of building plan (additional 5% Green FAR) the built-up area decreases from 1,63,902 m² to 1,56,700.64 m² (change 7,201.356 sq m) and revised built-up area of the project is 1,56,700.64 m².

Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for amendment in Group Housing at Plot No. SC-02/D, Sector- 150, Noida, District- Gautam Buddha Nagar, U.P., M/s Samridhi Infra Square Pvt. Ltd.

31	Total Solid Waste Generation	2.52	TPD
32	Organic waste	1.54	TPD
33	Quantity of E-Waste Generation- Kg/Day	30.71	KG/DAY
34	Quantity of Hazardous waste Generation	2.02	LPD
35	Quantity of Sludge Generated from STP	26	KG/DAY
ENERGY			
36	Total Power Requirement	3170	KVA
37	DG set backup	2750	KVA
38	No of DG Sets	4	No.

The project proponent requested to amend the environmental clearance letter dated 13/04/2016 as per above details.

RESOLUTION AGAINST AGENDA NO-01

The committee discussed the matter and found the reply submitted by the project proponent was satisfactory and recommended to amend the Environmental Clearance letter no. 76/Praya/SEAC/3271/2015/OSD(T) dated 13/04/2016 as per above details. The committee also directed the project proponent that all the other contents mentioned in Environmental Clearance letter no. 76/Praya/SEAC/3271/2015/OSD(T) dated 13/04/2016 shall remain the same.

2. Validity extension of manufacturing plants for synthetic organic chemicals products of Jubilant Life Science at Gajraula, U.P., UPSIDC, J.P. Nagar, File No. 1188/Proposal No. SIA/UP/IND2/202818/2021

The committee noted that the matter was earlier discussed in 550th SEAC meeting dated 16/07/2021 and directed the project proponent to submit following information:

1. Compliance report for the environmental clearance letter no. 1795/PARYA/SEAC /1188 /2011/TA(J) dated 12/10/2013 issued by SEIAA.
2. Compliance of notification issued by MOEF vide GO dated 18/09/2018 in regarding Hastinapur Sanctuary.
3. Copy of consent letter under Water and Air act issued by UPPCB along with compliance report.
4. Compliance status of the direction issued by the Hon'ble Supreme Court in writ no. 418/98 Intiyaz Ahmad Vs. Govt. of India and others.

The project proponent submitted their replies vide letter dated 22/09/2021. A presentation was made by the project proponent. The project proponent informed the committee that the project applied for extension of validity period of existing environmental clearance issued by SEIAA, UP on 12/10/2013. The project proponent also informed that they have regularly submit the six monthly compliance of the environmental clearance conditions imposed by SEIAA to the Regional Office (Central Zone), MoEF&CC, Lucknow, Member Secretary and Regional Officer, UPPCB. The committee observed that the project proposal relates to validity extension of existing EC not an expansion of existing unit. Hence, the certified compliance report is not necessary document for validity extension of existing EC. The project proponent also submit the copy of consent order dated 06/11/2018 issued by UPPCB along with its compliance.

RESOLUTION AGAINST AGENDA NO-02

The committee discussed the matter and found the reply submitted by the project proponent was satisfactory and recommended to extend the validity of Environmental Clearance letter no. 1795/PARYA/SEAC/1188/2011/TA(J) dated 12/10/2013 for the period of 03 years i.e. 12/10/2020 to 11/10/2023. The committee also directed the project proponent that all the other contents mentioned in Environmental Clearance letter no. 1795/PARYA/SEAC/1188/2011/TA(J) dated 12/10/2013 shall remain the same.