

#### JVL/EHS/ENV/2023/146

May 25, 2023

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, 5<sup>th</sup> Floor, Sector 'H'
Aliganj, Lucknow- 226020

Sub.: Submission of compliance for the period of October'22 to March'23 of Environmental Clearance granted vide letter no. 1795/Parya/SEAC/1188/2011/TA(J) DT. 12<sup>th</sup> 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 EC granted to us vide letter no. 1795/Parya/SEAC/1188/2011/TA(J) DT. 12<sup>th</sup> 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.

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A Jubilant Bhartia Company



The expansion capacity is part commissioned for which the UPPCB has granted the Consent to Operate Vide ltr. No. Dt. 170084 / UPPCB / Bijnore (UPPCBRO)-/CTO/both/AMROHA/2022 dated 12/05/2023. The construction for the balance capacity of the Environment clearance is completed and application for seeking Consent to Operate from UPCB is under progress.

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

Thanking you, Yours faithfully,

For Jubilant Ingrevia Limited

**Authorized Signatory** 

Hitendra Awasthi

(Interim Site Head & Senior Director)

**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, UPPCB, Lucknow.

CC: 2) Regional officer, UPPCB, 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 SO2. 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 online detection and alarm system to indicate higher than permissible value of controlled parameters.  | The proposed expansion does not include any process resulting in release of SO <sub>2</sub> . All process vents are connected to vent collection system and scrubbed for any odor causing gaseous emissions.  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 SO <sub>2</sub> emission from stack shall always remain within prescribed limits.  The online detection system is provided on the stack and connected to UPPCB and CPCB server. |
| 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 PM10, SO2, NOX, 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). | 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 | le 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, Nitroger 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      | the limits stipulated by the UPPCB.  For further control of fugitive emissions, following steps shall be followed;  |   |  |  |  |
| 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 transferred from storage tanks to reactor through closed pipelines.   |  |  |  |
| e      | Storage tanks shall be vented through trap receiver and condenser operated on chilled water.  | Trap receiver and condenser are installed on Chemical Storage tanks.  |  |  |  |
| f      | Cathodic protection shall be provided to the underground solvent storage tanks.   | Cathodic protection is provided to underground solvent storage 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 f  | ollows;   |  |  |  |
| a      | Reactor shall be connected to chilled brine condenser system  | Complied. The system is implemented.  |  |  |  |

| C N    | SPECIFIC CONDITIONS  | COMPLIANCE STATUS   |  |  |
|--------|--|---|--|--|
| S. No. |  | Complied. The system is implemented.  |  |  |
| b      | Reactor and solvent handling pump shall have mechanical seals to prevent leakages.   |   |  |  |
| 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. Breather valves are installed to prevent losses.  |  |  |
| 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 m3/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.  Complied with, as proposed in the EIA report (Page 1-   |  |  |
| 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. | 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  |  |  |
|        |  | 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.  | <ul> <li>a) The organic residue is utilized as a support fuel in captive incinerators</li> <li>b) The ETP sludge, process inorganic and evaporation salt are being disposed to our captive secured land fill facility, duly authorized by UPPCB.</li> <li>c) The fly ash generated from boiler is being sold for utilization in cement plant and brick manufacturing achieving 100% utilization of Fly ash.</li> </ul> |
| 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. | Complied. Authorization is obtained from UPPCB. Adequate fire-fighting facilities with dedicated fire water storage, fire tender and fire extinguisher is in place.  |
| 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.  |  |
| 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.   | capacity 1300 MT. The fly Ash generated 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.  |
| 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.   | Implemented under Rule 9 of the H&OWM Rules.  |  |  |  |
| c      | Use of automated filling to minimize spillage.  | Automated filling machine are installed to preve spillage   |  |  |  |
| 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 health check 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, including in areas outside the company property involving community participation. |  |  |  |
| 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. | 39.   |  |  |  |

| S. No. | SPECIFIC CONDITIONS   | COMPLIANCE STATUS   |
|--------|---|---|
| 21     | 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. | Also the skilled labor had facility to reside within the premises in the housing facility provided by the company |

| S. No. | GENERAL CONDITIONS   | COMPLIANCE STATUS  |
|--------|--|--|
| 1      | The project authorities shall strictly adhere to the stipulations made by the Uttar Pradesh Pollution Control Board.   |  |
| 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 and complied.  |
| 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.  | from roof tops of process areas are not done due to risk of ground water contamination.  However, Suitable rainwater harvesting facility for ground water recharge 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.   | Every employee undergoes EHS training at joining and also regularly during employment, Health checkup is done for every employee   |

| S. No. | GENERAL CONDITIONS                                  | COMPLIANCE STATUS                                |  |  |
|--------|---|--|--|--|
|        | Usage of Personnel Protection Equipment (PPEs)      | Complied.  |  |  |
| 7      | by all the employees/workers shall be ensured.      | PPEs are mandatory for each employee and         |  |  |
|        | by all the employees/ workers shall be cheared.     | worker.  |  |  |
| 0      | The company shall also comply with all the          | Complied.  |  |  |
| 8      | environmental protection measures and safeguards    | 1  |  |  |
|        | 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.  |  |  |  |
| 9      | The company shall undertake all relevant measures   | Complied.  |  |  |
| 9      | for improving the socio-economic conditions of the  | CSR activities as per the Company's Act is       |  |  |
|        | surrounding area. CSR activities shall be           | implemented by assessing the needs of the local  |  |  |
|        | undertaken by involving local villages and          | people and their participation.                  |  |  |
| 11     | administration.                                     |  |  |  |
| 10     | The company shall undertake eco-developmental       | Implemented as part of the CSR activities by     |  |  |
| 10     | measures including community welfare measures       | involving local community.                       |  |  |
|        | in the project area for the overall improvement of  | C C  |  |  |
|        | the environment.                                    |  |  |  |
| 11     | A separate Environmental Management cell            | Complied   |  |  |
| 11     | equipped with full-fledged laboratory facilities    |  |  |  |
| 1      | shall be set up to carry out the Environmental      | •  |  |  |
|        | Management and Monitoring functions.                |  |  |  |
| 12     | As proposed, the company shall earmark sufficient   | Complied.  |  |  |
| 12     | 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.                  | 1 '4.1   |  |  |
| 13     | A copy of the clearance letter shall be sent by the | Complied. A copy of the EC letter was submitted  |  |  |
|        | project proponent to concerned Panchayat, Zila      | to the Panchayat and Zha i arishad office. There |  |  |
|        | Parishad/Municipal Corporation, Urban local Body    | were no suggestion and representations from any  |  |  |
|        | and the local NGO, if any, from who                 | local NGUS.                                      |  |  |
|        | suggestions/representations, if any, were received  |  |  |  |
|        | while processing the proposal.                      |  |  |  |
| 14     | The project proponent shall also submit six         | Complied.  |  |  |
|        | monthly reports on the status of compliance of the  | Last report was submitted on 23:11:2022 visit    |  |  |
|        | stipulated Environmental Clearance Conditions       | letter no. JVL/Ens/ENV/2022/300 dated            |  |  |
|        | including results of monitored data (both in hard   | 22.11.2022 and the same has been uploaded on     |  |  |
|        | copies as well as by e-mail) to the respective      | company website.                                 |  |  |
|        | Regional Office of MoEF, the respective Zona        |  |  |  |
|        | Office of CPCB and the UP Pollution Contro          |  |  |  |
|        | Board. A copy of Environmental Clearance and six    |  |  |  |

| S. No. | GENERAL CONDITIONS  | COMPLIANCE STATUS  |
|--------|---|--|
| S. No. | monthly compliance status reports shall be posted on the website of the company.  |  |
| 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 on 24.05.2022 vide letter no. JVL/EHS/ENV/2022/170 Dtd.14.05.2022 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.  | UPPCB has granted the CCA for Increased capacity of the Pyridine & Picoline derivatives.   |



(GOVERNMENT APPROVED TESTING LABORATORIES) An ISO 9001: 2015, ISO 14001: 2015, ISO 45001: 2018 Certified Laboratory

#### **TEST REPORT**

### AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Page 1 of 1

TEST REPORT NO. NCL/ED-003/16/01/23

Name and Address of Customer

JUBILANT INGREVIA LIMITED

BHARTIAGRAM, GAIRAULA, AMROHA, UTTAR PRADESH, INDIA

SAMPLING DETAIL

**Analysis Start Date** 

16/01/2023

Analysis End Date

: 23/01/2023

Date of Sampling

:11/01/2023

Sampling Done By

: NCL

**DATE OF REPORT: 23/01/2023** 

Time of Sampling

Sampling Location

SNEAR FC III AREA

: 09:45 (11/01/2023) TO 09:45 (12/01/2023)

Sampling Flow Rate for

Sampling Protocol

IS:5182 (Part-5) AS PER CPCB GUIDELINES

: 1,255 mtr3/min

SPM(Average)

Sampling Flow Rate for Gas

: 0.5 LPM

Sampling Machine placed at

: 1.5 Mtr.

Height(from ground)

Sampling Duration

**Equipment Used** 

: 24 Hrs.

: Respairable Dust Sampler (PM 10) + Fine Particulate Sampler (PM 2.5) With Gaseous Attachment.

Ambient temperature

: 11°C

PHYSICAL OBSERVATIONS Wind Direction

West to East

Weather Condition

: Clear

TEST RESULT

|  | [ [ 2 ]  | UFDOFT   |  |  |
|--|--|--|--|--|
| Parameter                                | Unit   | Protocol   | Result   | Specification/ Limit (as per CPCB)   |
| Particulate Matters (Size Less Than      | μg/m³  | IS:5182 Part 23  | 91.0   | For 24 Hrs. = 100  |
| Particulate Matters (Size Less Than      | μg/m³  | Grav. Method   | 48.0   | For 24 Hrs. = 60   |
|  | μg/m³  | IS:5182 (Part 2)   | 28.0   | For 24 Hrs. = 80   |
|  |  | IS:5182 (Part 10)  | 38.0   | For 24 Hrs. = 80   |
|  |  | IS:5182 Part-22  | ND(DL-0.05)  | For 24 Hrs. = 1.0  |
| A 1000                                   |  | UV-Spectrophotometer   | 28.0   | For 8 Hrs= 100 for 1 Hr=180  |
|  |  |  | ND(DL-20.0)  | For 24 Hrs. = 400  |
|  |  | AAS Method   | ND(DL-1.0)   | For Annual=06  |
|  |  | AAS Method   | ND(DL-5.0)   | For Annual=20  |
| 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 |  | IS:5182 (Part 6)   | 0.52   | For 08 Hrs.= 02 For 01 Hrs.=0  |
|  | 1  |  | ND(DL-1.0)   | For Annual=05  |
|  |  |  | ND(DL-0.1)   | For Annual=01  |
|  | 0.   | IS:5182 (P-11) 2006  | ND(DL-1.0)   | Not Specified  |
|  | Particulate Matters (Size Less Than 10µm) (PM10) Particulate Matters (Size Less Than 2.5µm) (PM2-s) Sulphur Dloxide (SO2) Nitrogen Dloxides (NO2) Lead (Pb) Ozone (as O3) Ammonia (NH3) Arsenlc (as As) Nickel (as Ni) Carbon Monoxide (as CO) Benzene (as C6H6) Benzo (alpha) Pyrine- (BaP) | Parameter  Particulate Matters (Size Less Than 10µm) (PM10) Particulate Matters (Size Less Than 2.5µm) (PM2.5) Sulphur Dloxide (SO2) Nitrogen Dloxides (NO2) Lead (Pb) Ozone (as O3) Ammonia (NH3) Arsenlc (as As) Nickel (as Ni) Carbon Monoxide (as CO) Benzene (as C6H6) Benzo (alpha) Pyrine- (BaP)  Ug/m³  µg/m³ µg/m³ µg/m³  µg/m³  µg/m³  µg/m³  µg/m³  µg/m³  µg/m³  µg/m³  µg/m³  µg/m³ | Particulate Matters (Size Less Than 10µm) (PM10) Particulate Matters (Size Less Than 2.5µm) (PM2.5) Sulphur Dloxide (SO2) Nitrogen Dloxides (NO2) Lead (Pb) Qzone (as O3) Ammonia (NH3) Arsenic (as As) Nickel (as Ni) Carbon Monoxide (as CO) Benzene (as C6H6) Benzo (alpha) Pyrine- (BaP)  IS:5182 Part 23  Ig/m³ IS:5182 (Part 2) IIS:5182 (Part 10) IIS:5182 (Part 10) IIIS:5182 (Part 2) IIIS:5182 (Part 2) IIIS:5182 (Part 2) IIIS:5182 (Part 2) IIIS:5182 (Part 3) IIIS:5182 (Part 4) IIIS:5182 (Part 6) IIIS:5182 (Part 11) 2006 | Parameter         Unit         Protocol         Result           Particulate Matters (Size Less Than 10μm) (PM10)         μg/m³         IS:5182 Part 23         91.0           Particulate Matters (Size Less Than 2.5μm) (PM2.5)         μg/m³         Grav. Method         48.0           2.5μm) (PM2.5)         μg/m³         IS:5182 (Part 2)         28.0           Nitrogen Dloxides (NO2)         μg/m³         IS:5182 (Part 10)         38.0           Nitrogen Dloxides (NO2)         μg/m³         IS:5182 Part-22         ND(DL-0.05)           Lead (Pb)         μg/m³         UV-Spectrophotometer         28.0           Ozone (as O3)         μg/m³         UV-Spectrophotometer         28.0           Ammonia (NH3)         μg/m³         Indophenol Blue Method         ND(DL-20.0)           Nickel (as As)         ng/m³         AAS Method         ND(DL-1.0)           Nickel (as Ni)         ng/m³         AAS Method         ND(DL-5.0)           Carbon Monoxide (as CO)         mg/m³         GC Method         ND(DL-1.0)           Benzene (as C <sub>6</sub> H <sub>6</sub> )         μg/m³         GC Method         ND(DL-0.1)           Benzo (alpha) Pyrine- (BaP)         ng/m³         IS:5182 (Pa·11) 2006         ND(DL-1.0) |

Remark: ND=NOT DETECTABLE, DL-DETECTION LIMIT.

\*\*\*\*End of Reort\*\*\*\*

Rahul Singh

Sr. Analyst

FOR NEWCON CONSULTANTS LABORATORIES **GHAZIABAD** 

AUTHORIZED SIGNATORY Rekha Raut

**Quality Manager** 

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#### **TEST REPORT**

### AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Page 1 of 1

TEST REPORT NO. NCL/ED-004/16/01/23

Name and Address of Customer

JUBILANT INGREVIA LIMITED

BHARTIAGRAM, GAIRAULA, AMROHA, UTTAR PRADESH, INDIA

SAMPLING DETAIL

**Analysis Start Date** 

: 16/01/2023

Analysis End Date

: 23/01/2023

**Date of Sampling** 

Sampling Done By

: NCL

**DATE OF REPORT: 23/01/2023** 

Time of Sampling

11/01/2023

Sampling Location

NEAR DISTILLERY PLANT

: 09:20 (11/01/2023) TO 09:20 (12/01/2023)

Sampling Flow Rate for

Sampling Protocol

: IS:5182 (Part-5) AS PER CPCB GUIDELINES

1.25 mtr3/min

: 0.5 LPM

SPM(Average)

Sampling Flow Rate for Gas

Sampling Machine placed at : 1.5 Mtr.

Height(from ground)

Sampling Duration **Equipment Used** 

: 24 Hrs.

Clear

Respairable Dust Sampler (PM 10) + Fine Particulate Sampler (PM 2.5) With Gaseous Attachment.

PHYSICAL OBSERVATIONS

: 11°C

Ambient temperature Weather Condition

Wind Direction

West to East

TEST RESULT

|      |  | IE2   | KESULI                 |             |                                    |
|------|--|-------|------------------------|-------------|------------------------------------|
| S.No | Parameter  | Unit  | Protocol               | Result      | Specification/ Limit (as per CPCB) |
| 1.   | Particulate Matters (Size Less Than<br>10µm) (PM10)            | μg/m³ | IS:5182 Part 23        | 82.0        | For 24 Hrs. = 100                  |
| 2.   | Particulate Matters (Size Less Than                            | μg/m³ | Grav. Method           | 42.0        | For 24 Hrs. = 60                   |
| 3.   | 2.5µm) (PM <sub>2-5</sub> ) Sulphur Dioxide (SO <sub>2</sub> ) | μg/m³ | IS:5182 (Part 2)       | 34.0        | For 24 Hrs. = 80                   |
|      |  | μg/m³ | (S:5182 (Part 10)      | 42.0        | For 24 Hrs. = 80                   |
| 4.   | Nitrogen Dioxides (NO <sub>2</sub> )                           | μg/m³ | IS:5182 Part-22        | ND(DL-0.05) | For 24 Hrs. = 1.0                  |
| 5.   | Lead (Pb)  |       | UV-Spectrophotometer   | 35.0        | For 8 Hrs= 100 for 1 Hr=180        |
| 6.   | Ozone (as O <sub>3</sub> )                                     | μg/m³ |                        | ND(DL-20.0) | For 24 Hrs. = 400                  |
| 7.   | Ammonia (NH <sub>3</sub> )                                     | μg/m³ | Indophenol Blue Method |             | For Annual=06                      |
| 8.   | Arsenic (as As)  | ng/m³ | AAS Method             | ND(DL-1.0)  |                                    |
| 9.   | Nickel (as Ni)   | ng/m³ | AAS Method             | ND(DL-5.0)  | For Annual=20                      |
|      |  | mg/m³ | IS:5182 (Part 6)       | 0.52        | For 08 Hrs.= 02 For 01 Hrs.=04     |
| 10   |  | μg/m³ | GC Method              | ND(DL-1.0)  | For Annual=05                      |
| 11   |  |       | GC Method              | ND(DL-0.1)  | For Annual=01                      |
| 12   |  | ng/m³ | IS:5182 (P-11) 2006    | ND(DL-1.0)  | Not Specified                      |
| 13   | VOC (As BTEX)  | μg/m³ | 12:2197 (b-11) 5000    | 140/05 xiof |                                    |

Remark: ND=NOT DETECTABLE, DL-DETECTION LIMIT.

\*\*\*\*End of Report\*\*\*\*

FOR NEWCON CONSULTANTS LABORATORIES

Rahul Singh

Sr. Analyst

GHAZIABAI

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#### TEST REPORT

### AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Page 1 of 1

TEST REPORT NO. NCL/ED-005/16/01/23

Name and Address of Customer

JUBILANT INGREVIA LIMITED

BHARTIAGRAM, GAJRAULA, AMROHA, UTTAR PRADESH, INDIA

SAMPLING DETAIL

**Analysis Start Date** 

16/01/2023

**Analysis End Date** 

23/01/2023

Date of Sampling

12/01/2023

Sampling Done By

- NCL

**DATE OF REPORT: 23/01/2023** 

Time of Sampling

: NEAR AC2O PLANT

: 10:40 (12/01/2023) TO 10:40 (13/01/2023)

Sampling Location Sampling Flow Rate for

1.265 mtr3/min

Sampling Protocol

IS:5182 (Part-5) AS PER CPCB GUIDELINES

SPM(Average)

Sampling Machine placed at

Sampling Flow Rate for Gas

: 0.5 LPM

Height(from ground)

1.5 Mtr.

24 Hrs. Respairable Dust Sampler (PM 10) + Fine Particulate Sampler (PM 2.5) With Gaseous Attachment.

**Sampling Duration Equipment Used** 

:8°C

PHYSICAL OBSERVATIONS Wind Direction

West to East

Ambient temperature Weather Condition

Clear

TEST RESULT

| S.No | Parameter  | Unit  | Protocol               | Result      | Specification/ Limit (as per CPCB) |
|------|--|-------|------------------------|-------------|------------------------------------|
| 1.   | Particulate Matters (Size Less Than                              | μg/m³ | IS;5182 Part 23        | 78.0        | For 24 Hrs. = 100                  |
| 2.   | 10μm) (PM <sub>10</sub> )<br>Particulate Matters (Slze Less Than | μg/m³ | Grav. Method           | 46.0        | For 24 Hrs. = 60                   |
| -    | 2.5µm) (PM <sub>2·5</sub> ) Sulphur Dioxide (SO <sub>2</sub> )   | μg/m³ | IS:5182 (Part 2)       | 23.0        | For 24 Hrs. = 80                   |
| 3.   | Nitrogen Dioxides (NO <sub>2</sub> )                             | μg/m³ | IS:5182 (Part 10)      | 34.0        | For 24 Hrs. = 80                   |
| 4.   |  | μg/m³ | IS:5182 Part-22        | ND(DL-0.05) | For 24 Hrs. = 1.0                  |
| 5,   |  | μg/m³ | UV-Spectrophotometer   | 30.0        | For 8 Hrs= 100 for 1 Hr=180        |
| 6.   | Ozone (as O <sub>3</sub> )                                       | μg/m³ | Indophenol Blue Method | ND(DL-20.0) | For 24 Hrs. = 400                  |
| 7.   | Ammonia (NH <sub>3</sub> ) Arsenic (as As)                       | ng/m³ | AAS Method             | ND(DL-1.0)  | For Annual=06                      |
|      | Nickel (as Ni)   | ng/m³ | AAS Method             | ND(DL-5.0)  | For Annual=20                      |
| 9,   | 1 4 701  | mg/m³ | IS:5182 (Part 6)       | 0.55        | For 08 Hrs.= 02 For 01 Hrs.=0      |
| 10   |  | μg/m³ | GC Method              | ND(DL-1.0)  | For Annual=05                      |
|      | Benzene (as C <sub>6</sub> H <sub>6</sub> )                      | ng/m³ | GC Method              | ND(DL-0.1)  | For Annual=01                      |
| 12   | Benzo (alpha) Pyrine- (BaP) VOC (As BTEX)                        | μg/m³ | IS:5182 (P-11) 2006    | ND(DL-1.0)  | Not Specified                      |

Remark: ND=NOT DETECTABLE, DL-DETECTION LIMIT.

\*\*\*\*End of Report\*\*\*\*

FOR NEWCON CONSULTANTS LABORATORIES

Rahul Singh Sr. Analyst

ANTS GHAZIABAD

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#### **TEST REPORT**

### AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Page 1 of 1

TEST REPORT NO. NCL/ED-006/16/01/23

Name and Address of Customer

JUBILANT INGREVIA LIMITED

BHARTIAGRAM, GAJRAULA, AMROHA, UTTAR PRADESH, INDIA

SAMPLING DETAIL

**Analysis Start Date** 

:16/01/2023

**Analysis End Date** 

23/01/2023

Date of Sampling

12/01/2023

Sampling Done By

NCL

**DATE OF REPORT: 23/01/2023** 

Time of Sampling

Sampling Location

: NEAR POWER PLANT

Sampling Protocol

11:00 (12/01/2023) TO 11:00 (13/01/2023) : IS:5182 (Part-5) AS PER CPCB GUIDELINES

Sampling Flow Rate for

: 1.255 mtr3/min

SPM(Average)

Sampling Flow Rate for Gas

Sampling Machine placed at 2.1.5 Mtr.

:0.5 LPM

Height(from ground)

**Sampling Duration Equipment Used** 

24 Hrs.

: Respairable Dust Sampler (PM 10) + Fine Particulate Sampler (PM 2.5) With Gaseous Attachment.

PHYSICAL OBSERVATIONS

Ambient temperature

Weather Condition

:8°C : Clear Wind Direction

West to East

TEST RESULT

| S.No | Parameter  | Unit  | Protocol               | Result      | Specification/ Limit (as per CPCB) |
|------|--|-------|------------------------|-------------|------------------------------------|
| 1.   | Particulate Matters (Size Less Than<br>10µm) (PM <sub>10</sub> ) | μg/m³ | IS:5182 Part 23        | 95.0        | For 24 Hrs. = 100                  |
| 2.   | Particulate Matters (Size Less Than                              | μg/m³ | Grav. Method           | 44.0        | For 24 Hrs. = 60                   |
| 2    | 2.5µm) (PM <sub>2.5</sub> ) Sulphur Dioxide (SO <sub>2</sub> )   | μg/m³ | IS:5182 (Part 2)       | 28.0        | For 24 Hrs. = 80                   |
| 3.   | 130-34-1135-1  | μg/m³ | IS:5182 (Part 10)      | 41.0        | For 24 Hrs. = 80                   |
| 4.   | Nitrogen Dioxides (NO <sub>2</sub> )                             | μg/m³ | IS:5182 Part-22        | ND(DL-0.05) | For 24 Hrs. = 1.0                  |
| 5,   | Lead (Pb)  | μg/m³ | UV-Spectrophotometer   | 32.0        | For 8 Hrs= 100 for 1 Hr=180        |
| 6.   | Ozone (as O <sub>3</sub> )                                       |       | Indophenol Blue Method | ND(DL-20.0) | For 24 Hrs. = 400                  |
| 7,   | Ammonia (NH <sub>a</sub> )                                       | μg/m³ | AAS Method             | ND(DL-1.0)  | For Annual=06                      |
| 8.   | Arsenic (as As)  | ng/m³ |                        | A           | For Annual=20                      |
| 9.   | Nickel (as Ni)   | ng/m³ | AAS Method             | ND(DL-5.0)  |                                    |
| 10   | 11 ( 00)   | mg/m³ | IS:5182 (Part 6)       | 0.51        | For 08 Hrs.= 02 For 01 Hrs.=0      |
|      | Paramonia I I I I I I I I I I I I I I I I I I I                  | μg/m³ | GC Method              | ND(DL-1.0)  | For Annual=05                      |
| 11   |  | ng/m³ | GC Method              | ND(DL-0.1)  | For Annual=01                      |
| 12   | Benzo (alpha) Pyrine- (BaP) VOC (As BTEX)                        | μg/m³ | IS:5182 (P-11) 2006    | ND(DL-1.0)  | Not Specified                      |

Remark: ND=NOT DETECTABLE, DL-DETECTION LIMIT.

\*\*\*\*End of Report\*\*\*\*

FOR NEWCON CONSULTANTS LABORATORIES

CHECKED BY Rahul Singh Sr. Analyst

GHAZIABAD

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#### **TEST REPORT**

### AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Page 1 of 1

TEST REPORT NO. NCL/ED-007/16/01/23

Name and Address of Customer

JUBILANT INGREVIA LIMITED

BHARTIAGRAM, GAJRAULA, AMROHA, UTTAR PRADESH, INDIA

SAMPLING DETAIL

**Analysis Start Date** 

: 16/01/2023

**Analysis End Date** 

: 23/01/2023

**Date of Sampling** 

: 13/01/2023

Sampling Done By

: NCL

**DATE OF REPORT: 23/01/2023** 

Time of Sampling

: 11:30 (13/01/2023) TO 11:30 (14/01/2023)

Sampling Location

: NEAR CETP AREA

Sampling Protocol

: IS:5182 (Part-5) AS PER CPCB GUIDELINES

Sampling Flow Rate for

SPM(Average)

: 1.24 mtr3/min

Sampling Machine placed at

Sampling Flow Rate for Gas

: 0.5 LPM

Height(from ground)

**Sampling Duration** 

**Equipment Used** 

: 24 Hrs.

: Respairable Dust Sampler (PM 10) + Fine Particulate Sampler (PM 2.5) With Gaseous Attachment.

PHYSICAL OBSERVATIONS

Ambient temperature

:8°C

Wind Direction

West to East

**Weather Condition** 

: Clear

TEST RESULT

| S.No | Parameter  | Unit           | Protocol               | Result      | Specification/ Limit (as per CPCB) |
|------|--|----------------|------------------------|-------------|------------------------------------|
| 1.   | Particulate Matters (Size Less Than<br>10µm) (PM10)  | µg/m³          | IS:5182 Part 23        | 85.0        | For 24 Hrs. = 100                  |
| 2.   | Particulate Matters (Size Less Than  | μg/m³          | Grav. Method           | 42.0        | For 24 Hrs. = 60                   |
|      | 2.5µm) (PM <sub>2-5</sub> ) Sulphur Dioxide (SO <sub>2</sub> )   | μg/m³          | IS:5182 (Part 2)       | 21.0        | For 24 Hrs. = 80                   |
| . 3, | Nitrogen Dioxides (NO <sub>2</sub> )   | μg/m³          | IS:5182 (Part 10)      | 35.0        | For 24 Hrs. = 80                   |
| 4.   |  | μg/m³          | IS:5182 Part-22        | ND(DL-0.05) | For 24 Hrs. = 1.0                  |
| 5.   |  | μg/m³          | UV-Spectrophotometer   | 27.5        | For 8 Hrs= 100 for 1 Hr=180        |
| 6.   |  | μg/m³          | Indophenol Blue Method | ND(DL-20.0) | For 24 Hrs. = 400                  |
| 7.   | The state of the s | ng/m³          | AAS Method             | ND(DL-1.0)  | For Annual=06                      |
| 8.   | Arsenic (as As)  | ng/m³          | AAS Method             | ND(DL-5.0)  | For Annual=20                      |
| 9.   | Nickel (as Ni)   | mg/m³          | IS:5182 (Part 6)       | 0.59        | For 08 Hrs.= 02 For 01 Hrs.=04     |
| 10   | 27 - 10 pg (27)  |                | GC Method              | ND(DL-1.0)  | For Annual=05                      |
| 11   |  | μg/m³          | GC Method              | ND(DL-0.1)  | For Annual=01                      |
| 12   | and the second s | ng/m³<br>μg/m³ | IS:5182 (P-11) 2006    | ND(DL-1.0)  | Not Specified                      |
| 13   | VOC (As BTEX)  | hg/m           | 13.3202 (1 22) 2000    |             |                                    |

Remark: ND=NOT DETECTABLE, DL-DETECTION LIMIT.

\*\*\*\*end of Report\*\*\*\*

FOR NEWCON CONSULTANTS LABORATORIES

CHECKED BY Rahul Singh Sr. Analyst

GHAZIABAD

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#### TEST REPORT

### AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Page 1 of 1

TEST REPORT NO. NCL/ED-008/16/01/23

Name and Address of Customer

JUBILANT INGREVIA LIMITED

BHARTIAGRAM, GAJRAULA, AMROHA, UTTAR PRADESH, INDIA

SAMPLING DETAIL

Analysis Start Date

:16/01/2023

Analysis End Date

29/10/2022

**DATE OF REPORT: 23/01/2023** 

**Date of Sampling** 

13/01/2023

Sampling Done By

: NCL

Time of Sampling

: 12:10 (13/01/2023) TO 12:10 (14/01/2023)

Sampling Location

NEAR SLF AREA

Sampling Protocol

Sampling Flow Rate for

: IS:5182 (Part-5) AS PER CPCB GUIDELINES

SPM(Average)

1,255 mtr3/min

Sampling Machine placed at

: 1.5 Mtr.

Sampling Flow Rate for Gas

: 0.5 LPM

Height(from ground)

**Sampling Duration** 

**Equipment Used** 

24 Hrs.

: Respairable Dust Sampler (PM 10) + Fine Particulate Sampler (PM 2.5) With Gaseous Attachment.

PHYSICAL OBSERVATIONS Wind Direction

:8°C

: West to East

Ambient temperature Weather Condition

: Clear

TEST DESIGN

|      |  | 152   | KESULI                 |             |                                    |
|------|--|-------|------------------------|-------------|------------------------------------|
| S.No | Parameter  | Unit  | Protocol               | Result      | Specification/ Limit (as per CPCB) |
| 1.   | Particulate Matters (Size Less Than 10um) (PM <sub>10</sub> )      | μg/m³ | IS:5182 Part 23        | 84.0        | For 24 Hrs. = 100                  |
| 2.   | Particulate Matters (Size Less Than<br>2.5µm) (PM <sub>2-5</sub> ) | μg/m³ | Grav. Method           | 45.0        | For 24 Hrs. = 60                   |
| 3.   | Sulphur Dioxide (SO <sub>2</sub> )                                 | μg/m³ | IS:5182 (Part 2)       | 26.0        | For 24 Hrs. ≈ 80                   |
| 4.   | Nitrogen Dioxides (NO₂)  | μg/m³ | IS:5182 (Part 10)      | 39.0        | For 24 Hrs. = 80                   |
|      |  | μg/m³ | IS:5182 Part-22        | ND(DL-0.05) | For 24 Hrs. = 1.0                  |
| 5.   | Lead (Pb) Ozone (as O <sub>3</sub> )                               | μg/m³ | UV-Spectrophotometer   | 32.0        | For 8 Hrs= 100 for 1 Hr=180        |
| 6.   |  | μg/m³ | Indophenol Blue Method | ND(DL-20.0) | For 24 Hrs. = 400                  |
| 7.   | Ammonia (NH <sub>3</sub> )   | ng/m³ | AAS Method             | ND(DL-1.0)  | For Annual=06                      |
| 8.   | Arsenic (as As)  | ng/m³ | AAS Method             | ND(DL-5.0)  | For Annual=20                      |
| 9.   | Nickel (as Ni)   | mg/m³ | IS:5182 (Part 6)       | 0.59        | For 08 Hrs.= 02 For 01 Hrs.=04     |
| 10   | 76331034513cm  |       | GC Method              | ND(DL-1.0)  | For Annual=05                      |
| 11   |  | μg/m³ | GC Method              | ND(DL-0.1)  | For Annual=01                      |
| 12   | Benzo (alpha) Pyrine- (BaP)  | ng/m³ |                        | ND(DL-1.0)  | Not Specified                      |
| 13   | VOC (As BTEX)  | μg/m³ | IS:5182 (P-11) 2006    | HD(DL-1.0)  |                                    |

Remark: ND=NOT DETECTABLE, DL-DETECTION LIMIT.

\*\*\*\*End of Report\*\*\*\*

FOR NEWCON CONSULTANTS LABORATORIES

Rahul Singh Sr. Analyst

GHAZIABAD

**AUTHORIZED SIGNATORY Rekha Raut Quality Manager** 

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#### 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.<br>2.<br>3. | Dr. Harikesh Bahadur Singh,<br>Dr. Amrit Lal Haldar,<br>Dr. Dineshwar Prasad Singh,<br>Shri Tanzar Ullah Khan, | Chairman, SEAC-2<br>Member, SEAC-2 (through VC)<br>Member, SEAC-2 (through VC)<br>Member, SEAC-2 |
|----------------|--|--|
| 4.<br>5.       | Prof. Jaswant Singh, Dr. Shiv Om Singh,  | Member, SEAC-2<br>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 in information:

- 1. NOC from Airport Authority of India as per revised proposal.
- Protection measure against impact of lighting.
- 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.
- 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 m<sup>2</sup>, built up area 1,63,902 m<sup>2</sup>. Due to revision of building plan (additional 5% Green FAR) the built-up area decreases from 1,63,902 m<sup>2</sup> to 1,56,700.64 m<sup>2</sup> (change 7,201.356 sq m) and revised built-up area of the project is 1,56,700.64  $\,$  m $^{2}$ .

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.

|        |  | 2.52  | TPD    |
|--------|--|-------|--------|
| 31     | Total Solid Waste Generation           | 1.54  | TPD    |
| 32     | Organic waste                          | 30.71 | KG/DAY |
| 33     | Quantity of E-Waste Generation- Kg/Day | 2.02  | LPD    |
| 34     | Quantity of Hazardous waste Generation | 26    | KG/DAY |
| 35     | Quantity of Sludge Generated from STP  | 20    |        |
| ENERGY |  | 3170  | KVA    |
| 36     | Total Power Requirement                | 2750  | KVA    |
| 37     | DG set backup                          | 1     | No.    |
| 38     | No of DG Sets                          |       |        |

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 550<sup>th</sup> SEAC meeting dated 16/07/2021 and directed the project proponent to submit following in information:

- Compliance report for the environmental clearance letter no. 1795/PARYA/SEAC /1188 /2011/TA(J) dated 12/10/2013 issued by SEIAA.
- 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 Imtiyaz 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.