

Date: 27/11/2024

To,

The Director (S)

Ministry of Environment, Forest & Climate Change

Regional Office (Southern Zone)

Kendriya Sadan, 4th Floor, E&F Wings,

17th Main Road, 2nd Block,

Koramangala, Bangalore – 560 034

Sub: Submission of compliance to Environmental Clearance (EC) conditions along with half yearly monitoring reports-reg.

Ref: Our EC No: SEIAA:142:CON:2018 Dt: 13th June 2019

Respected Sir,

This is in reference to filing of the half yearly compliance report, here with this letter please find enclosed half yearly compliance report for the period April 2024 to September 2024 to the conditions of Environmental Clearance cited vide reference above.

Kindly accept and acknowledge the receipt of the same

Thanking you

for **AEQUS SEZ PRIVATE LIMITED**

Authorized Signatory

Encl: Half yearly compliance report as stated above

KOPPAL TOYS MOLDING COE PRIVATE LIMITED

Survey No. 139, Survey No.205, Koppal Toy Cluster Campus Talabal Village, Kukanoor taluk, Koppal district, Koppal, Karnataka, 583238.

HALF YEARLY COMPLIANCE REPORT
(PERIOD: April-2024 – September 2024)

OF
DEVELOPMENT OF INDUSTRIAL ESTATE PROJECT

AT
Sy. Nos. 28 to 33 of Banapur Village & Sy. Nos. 128-136, 139-143, 199, 202, 203, 205-211 of Talabal Village, Kukanur Taluk, Koppal District, Karnataka.

BY
AEQUS SEZ PRIVATE LIMITED

PREPARED BY
GANGA ENVIRO TECH (OPC) PVT LTD
#7676, 2nd Floor, G G Complex, 4th Cross, Subhashnagar,
Nelamangala, Bengaluru - 562123

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ANNEXURES

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सत्यमेव जयते

State Level Environment Impact Assessment Authority-Karnataka

(Constituted by MoEF, Government of India, under section 3(3) of E(P) Act, 1986)

No. SEIAA 142 CON 2018

Date: 13-06-2019

To,

Mr. Vikram S Annappa
Executive Director,
M/s. Aequs SEZ Pvt. Ltd.,
No. 55, Aequs Towers,
ITPB - Whitefield Main Road,
Mahadevapura Post,
Bengaluru - 560 048.

Sir,

Sub: Proposed Development of Industrial Estate project at Sy No. 128 - 136, 139 - 143, 199, 202, 203, 205 - 211 of Talabal Village and Sy No. 28 - 33 of Banapura Village, Kukanur Taluk, Koppal District, Karnataka by M/s. Aequs SEZ Pvt. Ltd. - Issue of Environmental Clearance - Reg.

This has reference to your online application dated 29th September 2018 bearing proposal No.SIA/KA/NCP/29272/2018 and SIA/KA/MIS/32335/2018 addressed to SEIAA, Karnataka and subsequent letters addressed to SEIAA/SEAC Karnataka furnishing further information/seeking prior Environmental Clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of the provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Application in Form 1, Form 1A, conceptual plan, EIA study report for Proposed Development of Industrial Estate project and the additional clarifications furnished in response to the observations of the SEIAA and SEAC, Karnataka.

2. It is inter-alia, noted that M/s. Aequs SEZ Pvt. Ltd. have proposed for Development of Industrial Estate project. The total plot area is 10,24,664.10 sq.m (253.20 Acres). The total built up area is 4,22,642.00 sqm. The proposed area statement and intended usage is tabulated below:

SI No.	Intended Use	Area (sq.m)
1	Plots	5,63,565.20
2	Green Belt and Parks	3,38,179.12
3	Road, Parking and Common Amenities	1,22,959.68



Total parking space proposed for 1945 Numbers (1,717 No's of Car, 40 No of Trucks/day and 20 No. of Buses). Total water consumption is 1,000 KLD (Fresh water + Recycled water), out of which 500KLD is for Domestic consumption and 500 KLD is for Industrial consumption. The total wastewater discharge for Domestic consumption is 450 KLD. It is proposed to construct Sewage Treatment Plant with a total capacity of 500 KLD. The Project shall have DG sets of 2MW × 2 No's as alternate source of power supply. The project cost is Rs. 468 Crores.

3. The project proposal has been considered by SEAC during the meeting held on 26th October 2018 recommended to SEIAA for issue standard ToRs along with additional ToRs. The Authority during the meeting held on 15th November 2018 decided to issue ToR as recommended by SEAC for conducting the Environment Impact Assessment study in accordance with EIA Notification, 2006. Accordingly the ToR was issued on 15th December 2018. The EIA study has been conducted by M/s. Ganga Enviro Tech, 2nd Floor, "G G Complex", 4th Cross, Subhash Nagar, Nelamangala, Bengaluru - 562 123. In respect to whom the notification dated 3.3.2016 of the MOE&CC stand deferred as per the order of the Hon'ble High court of Karnataka dated 21st March 2016 in W.P.No.15026-15038/2016. Final Environment Impact Assessment report has been submitted on 6th March 2019.

4. Based on the information submitted by you, presentation made by you and the consultant M/s. Ganga Enviro Tech, 2nd Floor, "G G Complex", 4th Cross, Subhash Nagar, Nelamangala, Bengaluru - 562 123. The State Level Expert Appraisal Committee (SEAC) examined the proposal in the meeting held on 10th April 2019 and has recommended for issue of Environmental Clearance.

5. The SEIAA Karnataka in the meeting held on 4th May 2019 after due consideration of the relevant documents submitted by the project proponent, additional clarifications furnished in response to its observations and the appraisal and recommendation of the SEAC has decided to accord Environmental Clearance in accordance with the provisions of Environmental Impact Assessment Notification-2006 and its subsequent amendments, subject to strict compliance of the following terms and conditions:

I. Statutory Compliance.

- i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii) The approval of the Competent Authority shall be obtained for structural safety of the constructions due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightening
- iii) The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of diversion of forest land for non forest purpose involved in the project.



State Level Environment Impact Assessment Authority-Karnataka

(Constituted by MoEF, Government of India under section 3(3) of E(P) Act, 1986)

SEIAA 142 CON 2018

Proposed Development of Industrial Estate project by
M/s. Aequs SEZ Pvt. Ltd.

- iv) The proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v) The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
- vi) The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
- vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- viii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix) The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016 shall be followed.
- x) The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
- xi) The order of the Hon'ble Supreme Court dated February 22, 2017 in W.P. No. 375 of 2012 shall be complied with.
- xii) No industrial activities listed in the schedule to EIA notification, 2006 shall be established without prior Environmental Clearance as required under EIA notification, 2006 from the competent authorities.

II. Air quality monitoring and preservation

- i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii) A management plan shall be drawn up and implemented to contain the current exceedance if any in ambient air quality at the site.
- iii) The project proponent shall install system to carry out Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5}) covering upwind and downwind directions during the construction period.



- iv) Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
- vi) Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii) Wet jet shall be provided for grinding and stone cutting.
- viii) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- ix) All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- x) The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to standards prescribed under Environmental (Protection) Rules for air and noise emission standards.
- xi) 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. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.

III. Water quality monitoring and preservation

- i) The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water



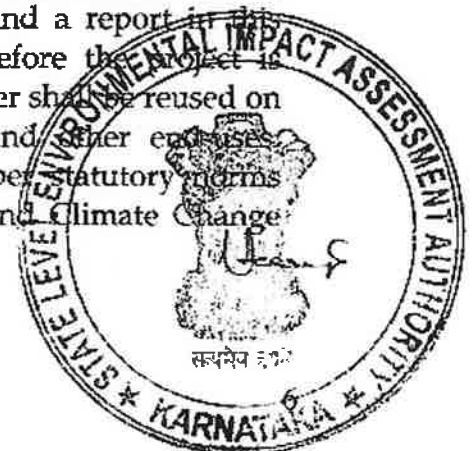
bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.

- ii) Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii) Total fresh water use shall not exceed the proposed requirement as provided in project details.
- iv) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- v) A certificate shall be obtained from local body supplying water, specifying the total annual water availability with local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available, this should be specified separately for ground water and surface water sources, ensuring that there is no impact on the other users.
- vi) At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc.would be considered as pervious surface.
- vii) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii) Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the project area.
- ix) Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- x) The project proponent shall identify a suitable source of treated water for construction and submit an MOU/Agreement with such suppliers. If so the supplier identified shall be responsible for treatment of water with appropriate technology the standards required for construction purpose.
- xi) The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate



provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016.

- xii) A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii) All recharge should be limited to shallow aquifer.
- xiv) No ground water shall be used during construction phase of the project.
- xv) Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xvi) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- xvii) Sewage shall be treated in the STP based on MBBR/SBR Technology with tertiary treatment i.e. Ultra Filtration. The treated effluent from STP shall be recycled/re-used for flushing, landscaping and HVAC cooling. No treated water shall be discharged to municipal drain.
- xviii) No sewage or untreated effluent water would be discharged through storm water drains.
- xix) The existing water body, canals and rajakaluve and other drainage and water bound structures shall be retained unaltered with due buffer zone as applicable and maintained under tree cover, overall natural hydrology and drainage pattern of the area shall remain unaltered.
- xx) Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in that regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.



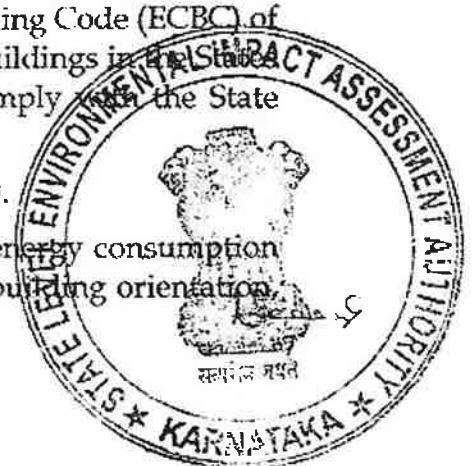
- xxi) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxii) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
- xxiii) Prospective individual industries shall establish required Effluent treatment plant in accordance with law and due permission from KSPCB.
- xxiv) The project authorities shall incorporate a specific condition in the Lease/Sale deed to be entered with the prospective industrial units that they shall establish required Effluent treatment plant with due permission from KSPCB.

IV. Noise monitoring and prevention

- i) Ambient noise levels shall conform to residential area both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
- ii) Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii) Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
- iv) The project proponent shall ensure the time specification prescribed by the Honourable High Court of Karnataka in WP. No. 1958/2011 (LB - RES - PIL) on 04.12.2012 for different activities involved in construction work

V. Energy Conservation measures

- i) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the State which have notified their own ECBC, shall comply with the State ECBC.
- ii) Outdoor and common area lighting shall be LED.
- iii) Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation,

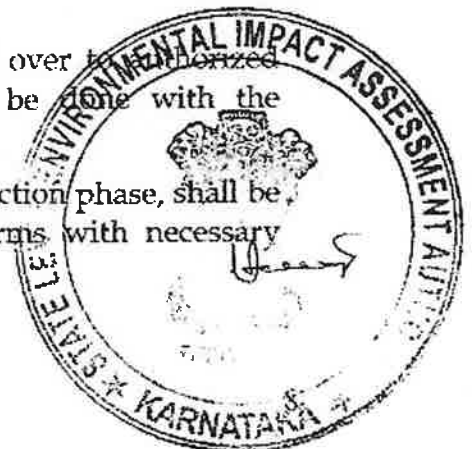


landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.

- iv) Energy conservation measures like installation of LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v) Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- vi) Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

VI. Waste Management

- i) A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
- ii) Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iii) Separate wet and dry bins must be provided and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- iv) Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
- v) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
- vi) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.



- vii) Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
- viii) Fly ash should be used as construction material as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in construction.
- ix) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
- x) Used CFLs/TFLs/LED should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i) No tree cutting/transplantation should be carried out unless exigencies demand. Where absolutely necessary, tree transplantation shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
- ii) A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iii) Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted).
- iv) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation at site.

VIII. Transport

- i) A comprehensive mobility plan, as per MoEF best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed



with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.

- a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points.
 - d. Parking norms as per local regulation.
- ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during nonpeak hours.
 - iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of roads within a 5 km radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 5 km radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
 - iv) Provide at the main entrances bell gates, which are located at least 12' inside the boundary of the project to enable smooth flow of traffic on the main road leading to the entrance

IX. Human health issues

- i) All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase. Sufficient number of toilets/bathrooms shall be provided with required mobile STP for construction workforce
- iii) For indoor air quality the ventilation provision as per National Building Code of India.
- iv) Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.



- v) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- vi) Occupational health surveillance of the workers shall be done on a regular basis.
- vii) A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Corporate Environment Responsibility

- i) The project proponent shall comply with provision contained in OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, of the Ministry of Environment, Forest and Climate Change as applicable, regarding Corporate Environment Responsibility and shall extend the action plan around the project site.
- ii) The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or stakeholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization. The project proponent enter into an agreement with the prospective buyers/ tenants to ensure that they maintain the cell and take care of all environment concerns during the operation phase of the project. In addition, sufficient fees should be levied so as to raise a corpus fund to maintain the Environment cell.
- iv) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry of Environment, Forest and Climate



Change/Regional Office along with the Six Monthly Compliance Report.

XI. Miscellaneous

- i) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii) The Project Proponent shall obtain the construction material such as stones and aggregates etc. only from the approved quarries and other construction material shall also be procured from the authorized agencies/traders.
- iv) The project proponent shall not use Kharab land if any for any purpose and keep available to the general public duly displaying a board as public property. No structure of any kind be put up in the Kharab land and shall be afforested and maintained as green belt only.
- v) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- vi) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii) The project proponent shall inform the Regional Office, the Ministry of Environment, Forest and Climate Change, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.



- x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the Expert Appraisal Committee.
- xi) No further expansion or modifications in the plan shall be carried out without prior Environmental Clearance from the competent authority.
- xii) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiii) The State Level Environment Impact Assessment Authority, Karnataka may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv) The SEIAA, Karnataka reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv) The Regional Office of MoEF&CC shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xvi) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvii) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- xviii) Copies of six monthly compliance on the conditions of the Environmental Clearance shall be submitted to SEIAA, Karnataka.

XII. Additional Condition

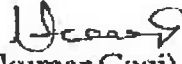
- i) The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Energy Efficiency.
- ii) 15% of Parking space shall be reserved for Electric vehicles with recharging facility.
- iii) The proponent shall identify suitable place (KIOSK) for collection and storage of E-Waste generated within the premises and shall be



disposed of regularly only with the KSPCB authorized F-Waste recyclers.



Yours faithfully,


(Vijayakumar Gogi)
Member Secretary,
SEIAA, Karnataka.

Copy to:

1. The Secretary, Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhavan, Jor Bagh Road, Aliganj, New Delhi - 110 003.
2. The Member Secretary, Karnataka State Pollution Control Board, Bengaluru.
3. The APCCF, Regional Office, Ministry of Environment & Forests (SZ), Kendriya Sadan, IV Floor, E & F wings, 17th Main Road, Koramangala II Block, Bengaluru - 560 034.
4. Guard File.

**Compliance Report to Environmental Clearance Conditions
(April 2024 to September 2024)**

AEQUS SEZ PRIVATE LIMITED

**Sy. Nos. 28 to 33 of Banapur Village & Sy. Nos. 128-136, 139-143, 199, 202, 203, 205-211 of
Talabal Village, Kukanur Taluk, Koppal District, Karnataka.**

No: SEIAA: 142: CON: 2018

Dt: 13th June 2019

SL.	EC CONDITIONS	COMPLIANCE												
1	<p>This has reference to your online application dated 29th September 2018 bearing proposal No. SIA/KA/NCP/29272/2018 and SIA/KA/MIS/32335/2018 addressed to SEIAA, Karnataka and subsequent letters addressed to SEIAA/SEAC Karnataka furnishing further information/seeking prior Environmental Clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of the provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Application Form-1, Form-1A, conceptual plan, EIA study report for Proposed Development of Industrial estate project and the additional clarifications furnished in response to the observations of the SEIAA and SEAC, Karnataka.</p>	<p>Noted and accepted.</p>												
2	<p>It is inter-alia, noted that M/s. Aequs SEZ Pvt. Ltd.-Koppal has proposed for Development of Industrial Estate project. The total plot area is 10,24,664.10 sqm. (253.20 Acres). The total built up area is 4,22,642.00 sqm. The proposed under area statement and intended usage is tabulated below.</p> <table border="1"> <thead> <tr> <th align="center">Sl. No.</th> <th align="center">Intended Use</th> <th align="center">Area (Sqm)</th> </tr> </thead> <tbody> <tr> <td align="center">1</td> <td>Plots</td> <td align="right">5,63,565.20</td> </tr> <tr> <td align="center">2</td> <td>Green Belt & Parks</td> <td align="right">3,38,139.12</td> </tr> <tr> <td align="center">3</td> <td>Road, Parking and Common Amenities</td> <td align="right">1,22,959.60</td> </tr> </tbody> </table> <p>Total parking space proposed for 1945 Numbers (1,717 no's of car, 40 no of Trucks/day and 20 no of buses). Total water consumption is 1000KLD (Fresh water + Recycled water) out of which 500KLD is for domestic consumption and 500KLD is for industrial consumption the total waste water discharged for Domestic consumption is 450KLD. It is proposed to construct sewage treatment plant with a total; capacity of 500KLD. The project shall have DG Sets of 2MW x 2No's as alternate source of power supply. The project cost is Rs. 468Crores.</p>	Sl. No.	Intended Use	Area (Sqm)	1	Plots	5,63,565.20	2	Green Belt & Parks	3,38,139.12	3	Road, Parking and Common Amenities	1,22,959.60	<p>Complied, The total plot area remains same i.e. 10,24,664.10sqm. (253.20 Acres) & The layout plan was submitted along with previous compliance report.</p> <p>Currently, it is constructed 4nos of industrial buildings, 1*500KLD STP (Modular Type) and also The developed such as internal road and drainages etc.</p> <p>Total water consumption, waste water generation will be within the approved limit.</p> <p>The 1*500KLD STP (Modular Type) construction work is completed and now ready for operation & the photographs of the same is submitted along with previous compliance report.</p> <p>Currently, a 1x250 kVA DG set, 1x500 kVA DG set, and 1x725 kVA</p>
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		<p>DG set are installed. Additionally, two 2000 kVA DG sets have been approved and will be installed at a later stage to meet future requirements. At present, no construction activities are being undertaken.</p> <p>The photographs of the DG sets are enclosed as Annexure-1.</p> <p>Currently, the estimated project cost within the limits as approved.</p>
3	<p>The project proposal has been considered by SEAC during the meeting held on 26th October 2018 recommended to SEIAA for issue standard ToRs along with additional ToRs. The Authority during the meeting held on 15th November 2018 decided to issue ToR as recommended by SEAC for conducting the Environment Impact Assessment study in accordance with EIA Notification, 2006. Accordingly the ToR was issued on 15th December 2018. The EIA study has been conducted by M/s. Ganga Enviro Tech, 2nd Floor, "GG complex", 4th Cross, Subhash Nagar, Nelamangala, Bengaluru-562123. In respect to whom the notification dated 03.03.2016 of the MOE & CC stand deferred as per the order of the Hon'ble High court of Karnataka dated 21st March 2016 in W.P.No. 15026-15038/2016. Final Environment Impact Assessment report has been submitted on 6th March 2019.</p>	Noted and accepted.
4	<p>Based on the information submitted by you, presentation made by you and the consultant M/s. Ganga Enviro Tech, 2nd Floor, "GG Complex", 4th Cross, Subhash Nagar, Nelamangala, Bengaluru-562123. The State Level Expert Appraisal Committee (SEAC) examined the proposal in the meeting held on 10th April 2019 and has recommended for issue of Environmental Clearance.</p>	Noted and accepted.
5	<p>The SEIAA Karnataka in the meeting held on 4th May 2019 after due consideration of the relevant documents submitted by the project proponent, additional clarifications furnished in response to its observations and the appraisal and recommendation of the SEAC has decided to accord Environmental Impact Assessment Notification-2006 and its subsequent amendments, subject to strict compliance of the following terms and conditions.</p>	Noted and accepted.
1	STATUTORY COMPLIANCE	
i)	The project proponent shall obtain all necessary clearance/permission from all relevant agencies	The project has secured permission under Land Revenue Act and land

	including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.	conversion for the said property. NOC has been obtained from Town & Country Planning Dept., Koppal and the copy of the same is submitted along with previous compliance report. We have obtained approval from local panchayat office for industrial building construction and the copy of the same is submitted along with previous compliance report. Also We commit to construct industrial buildings in line with local building byelaws.
ii)	The approval of the Competent Authority shall be obtained for structural safety of the constructions due to earthquakes, adequacy of firefighting equipment etc. as per National building code including protection measures from lightening etc.	Structural design & Engineering is in progress as per governing laws and NBC. The obtained building stability certificate is submitted along with previous compliance report.
iii)	The project proponent shall obtain forest clearance under the provision of Forest (Conservation) Act, 1980, in case of diversion of forest land for non-forest purpose involved in the project.	Not Applicable as there is no forest land involved.
iv)	The proponent shall obtain a clearance from the National Board for Wildlife, if applicable.	There is no Wildlife/Reservoirs/National forest/Reserved forest in the surrounding area. Hence not applicable.
v)	The project proponent shall obtain Consent for Establish/Operate under the provision of Air (Prevention & Control of pollution) Act, 1981 and the Water (Prevention & Control of pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.	CFE is obtained from KSPCB and the copy was submitted along with previous compliance report. Similarly, the CFO is obtained from KSPCB for operating STP and IE & the consent order no. AW-333290 which is valid up to 30/06/2027 and the copy of the same is submitted along with previous compliance report.
vi)	The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.	NoC is obtained from KGWA (Karnataka Groundwater Authority) and Karnataka Urban Water Supply & Drainage Board (KUWSSB) & the copy was submitted along with previous compliance report.
vii)	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.	For campus operation during initial period power requirement estimated to the tune of 2MVA and

		we obtained approval letter from local DISCOM and the copy of the same is submitted along with previous compliance report.
viii)	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, and Civil Aviation Department shall be obtained, as applicable, by project proponent should be obtained.	Noted and Complied. Chief controller of explosives – NOC from Petroleum and Explosives Safety Organization (PESO) has been obtained and the copy of the same is submitted along with previous compliance report. Fire Department – NOC and Civil Aviation Dept. NOC from AAI has been obtained and the same copy submitted along with previous EC Compliance report.
xi)	The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016 shall be followed.	As the development of industrial estate is under progress, provisions made to comply with relevant sections of Solid waste management 2016 & Plastic waste management 2016.
x)	The project proponent shall follow the ECBC/ECBC-R prescribed by the bureau of Energy Efficiency, Ministry of Power strictly.	Aequis SEZ Private Limited Koppal is always committed to adopt Energy Efficiency measures in all possible areas. The energy conservation measures have been obtained and the same copy submitted along with previous EC Compliance report.
xi)	The order of the Hon'ble Supreme Court dated February 22, 2017 in W.P. No. 375 of 2012 shall be complied with.	Over all Environment Management System proposed for our industrial estate project is in line with the Hon'ble Supreme Court order dated February 22, 2017 in W.P. No. 375 of 2012, the same will be implemented.
xii)	No Industrial activities listed in the schedule to EIA notification, 2006 shall be established without prior Environmental Clearance as required under EIA notification, 2006 from the competent authorities.	As proposed in our EIA documents & EMP we don't have any industrial activity coming up which attracts EIA notification 2006. However in future if any such proposal comes, prior approval will be obtained by the respective unit as per the provisions of the EIA notification.
II)	AIR QUALITY MONITORING AND PRESERVATION	
i)	Notification GSR 94(E) dated 25.01.2018 of MoEF & CC regarding Mandatory Implementation of Dust	Currently there is no construction activities are carrying in our premises.

	Mitigation Measures for Construction and Demolition activities for projects requiring Environmental Clearance shall be complied with.	However if any construction activity is involved than we will incorporated all necessary Dust Mitigation Measures as per the said notification.
ii)	A management plan shall be drawn up and implemented to contain the current exceedance if any in ambient air quality at the site.	Monitoring was carried out during April 2024 to September 2024. During the monitoring period, it was observed that there is no exceedance of ambient air quality for the parameters like SO ₂ , NO ₂ , and PM ₁₀ in all the monitoring area and all the parameters of the monitoring area are within the limits of AAQM standard. The monitoring test reports are enclosed as Annexure-2 .
iii)	The project proponent shall install system to carry out Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM ₁₀ and PM _{2.5}) covering upwind and downwind directions during the construction period.	Currently there is no construction activities are carrying in our premises. The AAQM is being done once in a month for the said Parameters and the monitoring reports are enclosed.
iv)	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environmental (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of Low Sulphur Diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.	Noted and Complied. Currently, a 1x250 kVA DG set, 1x500 kVA DG set, and 1x725 kVA DG set are installed. Additionally, two 2000 kVA DG sets have been approved and will be installed at a later stage to meet future requirements. However the currently installed DG set is low sulfur diesel type and we have provided acoustic enclosures as per CPCB guidelines. The photographs of the DG sets and stack height are enclosed as Annexure-1 . The KSPCB has issued CFE and CFO based on the demarcation of the DG sets on the layout plan.
v)	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the sites as well as taking out debris from the site.	All the necessary barricades are provided in the construction site. We commit that no dust, smoke & other air pollutants will be going out of our premises in excess of the standards. Required covers as directed will be used for all vehicles carrying dust generating construction materials.
vi)	Sand, murrum, loose soil, cement, stored on site	All the construction material will be

	shall be covered adequately so as to prevent dust pollution.	stored at site with proper dust control measures to prevent dust pollution.
vii)	Wet jet shall be provided for grinding and stone cutting.	Not applicable. We are not involved in any grinding and cutting of stones within our SEZ premises.
viii)	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.	Water spray to suppress dust incorporated.
ix)	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.	Currently, there is no construction activities are carrying in our premises and there will be no any demolition work is need. However the waste generated during construction phase is being stored and disposed to low lying area within project premises.
x)	The Diesel generator sets to be used during construction phase shall be Low Sulphur Diesel type and shall conform to standards prescribed under Environmental (Protection) Rules for air and noise emission standards.	Noted and the same is being complied.
xi)	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. Low Sulphur Diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.	Noted and Complied. Currently, a 1x250 kVA DG set, 1x500 kVA DG set, and 1x725 kVA DG set are installed. Additionally, two 2000 kVA DG sets have been approved and will be installed at a later stage to meet future requirements. At present, no construction activities are being undertaken. However the currently installed DG set is low sulfur diesel type and we have provided acoustic enclosures as per CPCB guidelines. The stack height for the DG set is provided as per the standards. The KSPCB has issued CFE and CFO based on the demarcation of the DG sets on the layout plan.
III	WATER QUALITY MONITORING AND PRESERVATION	
i)	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.	The natural drain system protection is incorporated in the design by providing proper Storm water drainage line and the photograph is submitted along with previous compliance report.
ii)	Building shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	The contour of the existing land will be retained to the maximum extent. Cutting & filling will be very minimum.

iii)	Total fresh water use shall not exceed the proposed requirement as provided in project details.	We will not exceed the proposed quantity.
iv)	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.	We are internally maintaining the necessary records and will submit the same to RO, MoEF&CC as required.
v)	A certificate shall be obtained from local body supplying water, specifying the total annual water availability with local authority, the quantity of water allocated to the project under consideration and the balance water available, this should be specified separately for ground water and surface water sources, ensuring that there is no impact on the other users.	The water supply approval certificate obtained from KGWA and KUWSSB and the certificate is submitted along with previous compliance report.
vi)	At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.	Noted and complied.
vii)	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.	As the treated sewage is proposed to be reused for onland for gardening and toilet flushing. The dual plumbing is considered only for toilet flushing purpose. The effluent generated will be completely recycled.
Viii)	Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low faucets tap aerators etc.) for water conservation shall be incorporated in the project area.	Noted and complied. The use of water saving devices/ fixtures (viz. low flow flushing systems; use of low faucets tap aerators etc.) for water conservation are incorporated.
ix)	Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system to be done.	As it is an industrial area project, separation of grey & black water is not proposed. Instead both sullage & sewage will be conveyed in a single Under Ground Drainage (UGD) line to STP for treatment. The photograph of UGD manhole is submitted along with previous compliance report. However installation of the dual plumbing system is under review of feasibility.

x)	The project proponent shall identify a suitable source of treated water for construction and suitable an MOU/ Agreement with such suppliers. If so the supplier identified shall be responsible for treatment of water with appropriate technology to the standards required for construction purpose.	As the surrounding area is not so developed to get the treated water for construction purposes, the same will be used if available and feasible.
xi)	The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016.	Noted and complied. The same is considered in the design and will be implemented by providing the Rainwater harvesting ponds abutting to Nala towards western side of the site is provided. The Photograph is submitted along with previous compliance report.
xii)	A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the competent Authority.	We have provided rain water harvesting ponds and all the rain water collected by the roof is connected to that water pond.
xiii)	All recharge should be limited to shallow aquifer.	Will Ensure. The same will be implemented.
xiv)	No ground water shall be used during construction phase of the project.	As our water requirement during development phase is minimum and there is no other alternative such as treated water available in the near vicinity, we are dependent on ground water only. However all attempts will be made to use treated sewage if available & feasible.
xv)	Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from CGWA for any ground water abstraction or dewatering.	Permission from KGWA has been obtained. All the conditions specified in the permission letter are being complied with.
xvi)	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly monitoring reports.	We are internally maintaining the necessary records and will submit the same to RO, MoEF&CC as required.
xvii)	Sewage shall be treated in STP based on MBBR/SBR Technology with tertiary treatment i.e. Ultra Filtration. The treated effluent from STP shall be recycled/reused for flushing, landscaping and HVAC cooling. No treated water shall be discharged to municipal drain.	Will Ensure. The same is considered in the design and implemented as approved. The treated sewage is being utilized for garden and other purpose.
xviii)	No sewage or untreated effluent water would be	Will ensure. We will not dispose

	discharged through storm water drains.	either sewage or untreated effluent through storm water drains.
xix	The existing water body, canals and rajakaluve and other drainage and water bound structures shall be retained unaltered with due buffer zone as applicable	Will Ensure. We have maintained the buffer all along the Nalas/water body as committed.
xx	Onsite sewage treatment of capacity of treating 100% Wastewater to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated wastewater shall be reused on site for landscape, flushing, cooling tower, and other end uses, Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change Natural treatment systems shall be promoted.	Total 500KLD STP is proposed to treat 100% waste water. We will ensure, the same will be implemented phase wise.
xxi	Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.	Noted and complied. The analysis of treated sewage was recently conducted, and all parameters were found to be within permissible limits. The test reports are provided in Annexure-3 .
xxii	Sludge from onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and sewage Treatment Systems, 2013.	The dried and stabilized sludge will be used within the industrial area for gardening as manure.
xxiii	Prospective individual industries shall establish required Effluent treatment plant in accordance with law and due permission from KSPCB.	Complied, currently there is no construction activities are carrying in our premises for individual industries and individual industries are in operational also obtained CFO fresh obtained from the board and the copies of the same is submitted along with the previous compliance report.
xxiv	The project authorities shall incorporate a specific condition in the Lease/ Sale deed to be entered with the prospective industrial units that they shall establish required Effluent treatment plant with due permission from KSPCB.	Noted and complied.
IV	NOISE MONITORING AND PREVENTION	
i)	Ambient noise levels shall conform to residential area both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental Pollution loads on the ambient air and noise quality shall be closely monitored during construction	Ambient noise levels are being monitored and records of the same are being maintained. All measures are being taken up to reduce the noise levels.

	phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.	
ii)	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Monitoring was carried out during April 2024 to September 2024. Noise monitoring test reports are enclosed as Annexure-4 .
iii)	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.	Noted and complied.
iv)	The project proponent shall ensure the time specification prescribed by the Honorable High Court of Karnataka in WP. No. 1958/2011 (LB-RES-PIL) on 04.12.2012 for different activities involved in construction work.	We ensure compliance to the specification prescribed by the Honorable High Court of Karnataka in WP. No. 1958/2011 (LB-RES-PIL) on 04.12.2012 for different activities involved in construction work.
v	ENERGY CONSERAVTION MEASURES	
i)	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.	Noted and complied. The energy conservation measures have been obtained and the same copy submitted along with previous EC Compliance report.
ii)	Outdoor and common area lighting shall be LED.	Noted and complied.
iii)	Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.	Will Ensure. The same will be implemented.
iv)	Energy conservation measures like installation of LED for lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.	Noted and complied. The energy conservation measures have been obtained and the same copy submitted along with previous EC Compliance report.
v)	Solar, wind or other renewable Energy shall be installed to meet electricity generation equivalent to 1 % of the demand load or as per the State level/local building bye-laws requirement, whichever is higher.	Will Ensure. The same will be implemented.
vi)	Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet	It is an industrial area development project. The applicable bye-laws will be considered.

	its hot water demand from solar water heaters, as far as possible.	
VI)	WASTE MANAGEMENT	
i)	A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.	We manage the waste generated in our premises directly in house or through private approved parties.
ii)	Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Will Ensure. Will be complied with.
iii)	Separate wet and dry bins must be provided and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.	Will ensure segregation of different wastes will be done at the ground level & will be managed scientifically.
iv)	Organic waste compost/ vermiculture pit/ organic waste converter within the premises with a minimum capacity of 0.3kg/ person/ day must be installed.	We have setup the organic composter to compost the natural organic wastes such as plants, leaves etc., within our IE and the details are submitted along with previous compliance report. Currently, no canteen is operating in our IE since the industrial estate development is under process. Will ensure that we will setup biogas digester once after the canteen is getting started to operate and the generated biogas will be utilised for kitchen.
v)	All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.	Will ensure to comply with the same.
vi)	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.	Any hazardous waste generated during development/construction will be handled scientifically in a safe and secured manner and will be disposed in scientific way with necessary records.
vii)	Use of environmentally friendly materials in bricks, blocks, and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly-Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, compressed earth blocks, and other environmental friendly materials.	We will use environment friendly construction materials wherever possible.
viii)	Fly ash should be used as construction material as per the provision of Fly Ash Notification of	Will Ensure. Fly ash blocks will be utilized to the best possible extent.

	September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in construction.	
ix)	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.	Construction/Demolition will be handled in house for filling up the low lying areas with all precautional measures.
x)	Used CFLs/TFLs/LED should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.	E wastes generated will be handled as per the E waste rules 2016 and further amendments and the waste will be disposed to authorized person only.
VII	GREEN COVER	
i)	No tree cutting/transplantation should be carried out unless exigencies demand. Where absolutely necessary, tree transplantation shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).	In our industrial estate, the total 241nos. of trees existing. Out of that 28Nos tree are transplanted and remaining are retained. If any construction activities required in that place, then we will transplant those trees also. The photographs of the tree transplantation are submitted along with previous compliance report.
ii)	A minimum of 1 tree for every 80 sqm. of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.	Noted and complied. We have proposed green belt area of 338139.12sqm i.e., 33% of the total plot area, out of this, about 235604.34Sqm i.e., 22% is developed. The details of tree species and their numbers are submitted along with previous compliance report. Additionally, the tree plantation event organized in celebration of Environmental Day along with the accompanying photographs is enclosed as Annexure-5 .
iii)	Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted).	Tree cutting is not proposed in the project. Hence permission seeking is not applicable. However we propose to include local species in our green belt plan and also tree transplantation will be included.
iv)	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.	The Stripped/Excavated top soil at the construction site is safely stored in a proper place and used for green belt area filling the low lying areas within the IE.
VIII	TRANSPORT	
i)	A comprehensive mobility plan, as per MoUD best	Will Ensure. The same is complied, as

	practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.	proposed in our traffic study and the construction of the concrete roads is completed. The photograph of concrete roads is submitted along with previous compliance report.
a)	Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.	1. Yelburga road (SH-129 / NH-367) is having 24 m RoW with 2-lanes undivided road, which connects to Yelburga on one side & Bellary – Hubli Road (NH -63) on another side of the road. 2. Bellary – Hubli Road (NH -63) is having 30 m RoW with 2-lanes undivided road, which connects to Hubli on one side & Hampi on another side of the road.
b)	Traffic calming measures.	Will Ensure. The same will be complied, as proposed in our traffic study.
c)	Proper design of entry and exit points.	
d)	Parking norms as per local regulation.	
ii)	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during nonpeak hours.	Only PUC Certified vehicles are used for material transportation and the records will be maintained for the same. The movement of heavy vehicles will be only during nonpeak hours.
iii)	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of roads within a 5km radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 5km radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.	We will implement the same will be complied as proposed in our traffic study submitted as part of our EMP along with EIA report.
iv)	Provide at the main entrances bell gates, which are located at least 12' inside the boundary of the project to enable smooth flow of traffic on the main road leading to the entrance.	A Bell gate is provided at the main entrance for proper entry & exit of the vehicles and the copy of the same is submitted along with previous compliance report.
ix)	HUMAN HEALTH ISSUES	
i)	All workers working at the construction site and	All workers & staffs are provided

	involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.	with required PPEs depending on the area of their work.
ii)	All required sanitary and hygienic measures should be in place before starting activities and to be maintained throughout the construction phase. Sufficient number of toilets/bathrooms shall be provided with required mobile toilets mobile STP for construction workforce.	Noted and complied. We have provided Sufficient number of toilets/bathroom and mobile STP for construction workforce.
iii)	For Indoor Air Quality the ventilation provision as per National Building Code of India.	Will Ensure. The same will be implemented in line with the said provisions.
iv)	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Noted and complied. The emergency preparedness plan implemented and the copy of the same is submitted along with previous compliance report.
v)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	The source of laborers is mainly from the local area, no temporary housing is provided for construction laborers in the project site. First aid medical facility is made available in the site.
vi)	Occupational health surveillance of the workers shall be done on a regular basis.	Regular health camps will be organized for health surveillance w.r.t occupational health of the workers and the health checkup reports of the employees/workers is submitted along with previous compliance report.
vii)	A first-aid room shall be provided in the project both during construction and operations of the project.	The health check-up will be carried out once during the construction phase and annually during the operational phase at our in-house Occupational Health Centre. These details have been previously submitted with the compliance report.
X	CORPORATE ENVIRONMENT RESPONSIBILITY	
i)	The project proponent shall comply with provision contained in OM vide F.No. 22-65/2017-IA. III dated 1 st May 2018, of the Ministry of Environment, Forest and Climate Change as applicable, regarding Corporate Environment Responsibility and shall extend the action plan around the project site.	We have carried several CER/CSR activities and the details of the same are enclosed as Annexure-6 .

ii)	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The Environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or stakeholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	The company has well laid out EHS Policy. The company has well defined system for reporting of infringement /deviation /violation of environmental condition; EHS (Environmental, Health, and Safety) Policy for our IE development project has been submitted with the previous compliance report.
iii)	A separate environmental cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization. The project proponent enter into an agreement with the prospective buyers/tenants to ensure that they maintain the cell and take care of all environmental concerns during the operation phase of the project. In addition, sufficient fees should be levied so as to raise a corpus fund to maintain the Environmental cell.	There is a separate Environmental Cell with qualified personal under the control of Senior Executive, who will directly report to the head of the organization.
iv)	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation or action plan shall be reported to the Ministry of Environment, Forest and Climate Change/ Regional Office along with the Six Monthly Compliance Report.	Will Ensure. Recently the development/ construction activities are started; hence the company will implement the EMP and environmental condition in upcoming days. The company will ensure that the money earmarked for Environmental protection will strictly use only for respective purpose only and also we will submit action plan report along with 6 months compliance report regularly to MoEF.
XI MISCELLANEOUS		
i)	The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.	Advertisement regarding grant of environmental clearance was given in the local newspaper and a copy of the advertisement was submitted along with previous compliance report.
ii)	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from	The copy of environmental clearance is submitted to Panchayats and the same is submitted along with previous compliance report.

	the date of receipt.	
iii)	The Project Proponent shall obtain the construction material such as stones and aggregates etc. only from the approved quarries and other construction material shall also be procured from the authorized agencies/traders.	Will purchase the construction materials from approved agencies/traders if available & feasible.
iv)	The project proponent shall not use Kharab land if any for any purpose and keep available to the general public duly displaying a board as public property. No structure of any kind be put up in the Kharab land and shall be afforested and maintained as green belt only.	Will ensure and the same will be complied with.
v)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Complied. The EC conditions along with compliance and monitoring data is uploaded in our official website and copy of the same is submitted along with previous compliance report.
vi)	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of Ministry of Environment, Forest and Climate Change at Environment clearance portal.	Will Ensure. The Six Monthly Reports are being submitted regularly.
vii)	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1989, as amended subsequently and put on the website of the company.	The Environmental Statement (Form-V) for the financial year from April 2023 to March 2024 has been submitted to the regional office. A copy of the same is enclosed in Annexure-7 .
viii)	The project proponent shall inform the Regional Office as well as the Ministry of Environment, Forest and Climate Change, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Will Ensure. The same will be initiated accordingly.
ix)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Agreed and being complied with.
x)	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the Expert Appraisal Committee.	Will ensure. It will be Complied.
xi)	No further expansion or modifications in the plan shall be carried out without prior Environmental Clearance from the competent authority.	Will Ensure. For any further expansion or modifications we will take prior approval.
xii)	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental Clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Will Ensure. All the data submitted are facts/figures only.

xiii)	The State Level Environment Impact Assessment Authority, Karnataka may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed.
xiv)	The SEIAA, Karnataka reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed.
xv)	The Regional Office of MoEF & CC shall monitor compliance of the stipulated conditions. The project authorities should extend full Co-operation to the officer (s) of the Regional Office by furnishing the requisite data/information/ monitoring reports.	Agreed, will Ensure to extent full Co-operation to the officers.
xvi)	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Protection) Act, 1986, Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of law relating to the subject matter.	Will Ensure. All the said conditions shall be enforced inter-alia with said provisions/Acts.
xvii)	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted & Agreed.
xviii)	Copies of six monthly compliance on the conditions of the Environmental Clearance shall be submitted to SEIAA, Karnataka.	Agreed & Being complied with. Six monthly compliance reports on the conditions of the Environmental Clearance are being submitted regularly.
XII	ADDITIONAL CONDITION	
i)	The proponent to conduct energy audit by an accredited agency before operation of the project in accordance with the Bureau of Energy Efficiency.	Will Ensure. The same will be implemented.
ii)	15% of parking space shall be reserved for Electric vehicles with recharging facility.	As it is an industrial project, the same as required will be implemented.
iii)	The proponent shall identify suitable place (KIOSK) for collection and storage of E-Waste generated within the premises and shall be disposed of regularly only with the KSPCB authorized E-Waste recyclers.	Will Ensure. The same will be implemented.

for **AEQUS SEZ PRIVATE LIMITED**


Authorized Signatory

ANNEXURE 1

DG SETS



250 KWA



500 KWA



725 KWA

ANNEXURE 2



Ganga Enviro Tech (OPC) Private Limited

ENGINEERING SOLUTION FOR POLLUTION

CPCB Recognized Environmental Laboratory Under E (P) Act 1986
ISO 45001 : 2018 (OHSAS) CERTIFIED LABORATORY



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TEST REPORT

GET/T/F/015

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 13.04.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near STP plant area
	Sample collected by	Raju K S
	Date of collection	01.04.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	02.04.2024
	Particulars	Ambient Air
	Date of analysis commencement	02.04.2024
	Date of analysis completed	05.04.2024
	Number of pages	1 of 1
	Sample number	GET/2024/Apr/41
ULR report number	TC555124000000927F	

Environmental conditions			
Temperature (°C)	33	Climate	Clear sky
Humidity (%)	38	Wind Flow	Normal

Sl. No.	Parameter	Test Method	Unit	Result	Standards as per NAAQS
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	55.2	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	16.8	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	19.9	80
Inference		Conforms to prescribed standards			

Note: 1. NAAQS - National Ambient Air Quality Standards.


AUTHORISED SIGNATORY
Harish C S (T.M)

End of the report

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TEST REPORT

GET/T/F/015

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 13.04.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near bunk yard area
	Sample collected by	Raju K S
	Date of collection	01.04.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	02.04.2024
	Particulars	Ambient Air
	Date of analysis commencement	02.04.2024
	Date of analysis completed	05.04.2024
	Number of pages	1 of 1
	Sample number	GET/2024/Apr/40
ULR report number	TC555124000000926F	

Environmental conditions			
Temperature (°C)	32	Climate	Clear sky
Humidity (%)	37	Wind Flow	Normal

Sl. No.	Parameter	Test Method	Unit	Result	Standards as per NAAQS
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	48.2	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	18.3	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	21.0	80
Inference		Conforms to prescribed standards			

Note: 1. NAAQS - National Ambient Air Quality Standards.


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Harish C S (T.M)

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TEST REPORT

GET/T/F/015

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 13.04.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near incubation office area
	Sample collected by	Kiran G L
	Date of collection	01.04.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	02.04.2024
	Particulars	Ambient Air
	Date of analysis commencement	02.04.2024
	Date of analysis completed	05.04.2024
	Number of pages	1 of 1
	Sample number	GET/2024/Apr/39
ULR report number	TC555124000000925F	

Environmental conditions			
Temperature (°C)	32	Climate	Clear sky
Humidity (%)	38	Wind Flow	Normal

Sl. No.	Parameter	Test Method	Unit	Result	Standards as per NAAQS
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	45.8	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	16.2	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	19.3	80
Inference		Conforms to prescribed standards			

Note: 1. NAAQS - National Ambient Air Quality Standards.


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TEST REPORT

GET/T/F/015

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 13.04.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near security building area
	Sample collected by	Kiran G L
	Date of collection	01.04.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	02.04.2024
	Particulars	Ambient Air
	Date of analysis commencement	02.04.2024
	Date of analysis completed	05.04.2024
	Number of pages	1 of 1
	Sample number	GET/2024/Apr/38
ULR report number	TC555124000000924F	

Environmental conditions			
Temperature (°C)	32	Climate	Clear sky
Humidity (%)	37	Wind Flow	Normal

Sl. No.	Parameter	Test Method	Unit	Result	Standards as per NAAQS
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	54.3	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	21.8	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	23.2	80
Inference		Conforms to prescribed standards			

Note: 1. NAAQS - National Ambient Air Quality Standards.


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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 16.05.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near security building area
	Sample collected by	Kiran G L, Field Technician
	Date of collection	08.05.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	09.05.2024
	Particulars	Ambient Air
	Date of commencement of analysis	09.05.2024
	Date of completion of analysis	13.05.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/May/63
Sample report number	GPL/2024/May/63	
ULR number	TC555124000001229F	

Environmental conditions	
Temperature in °C	33
Humidity in %	45
Climate	Clear sky
Wind Flow	Normal

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	50.6	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	17.4	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	19.3	80
Inference		Conforms to prescribed standards			

Note: 1. * As per NAAQS - National Ambient Air Quality Standards.


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TEST REPORT

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ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR


Date: 16.05.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near incubation office area
	Sample collected by	Kiran G L, Field Technician
	Date of collection	08.05.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	09.05.2024
	Particulars	Ambient Air
	Date of commencement of analysis	09.05.2024
	Date of completion of analysis	13.05.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/May/64
Sample report number	GPL/2024/May/64	
ULR number	TC555124000001230F	

Environmental conditions	
Temperature in °C	32
Humidity in %	40
Climate	Clear sky
Wind Flow	Normal

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	48.7	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	14.8	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	17.1	80
Inference		Conforms to prescribed standards			

Note: 1. * As per NAAQS - National Ambient Air Quality Standards.


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TEST REPORT

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ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 16.05.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near STP plant area
	Sample collected by	Raju K S, Field Technician
	Date of collection	08.05.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	09.05.2024
	Particulars	Ambient Air
	Date of commencement of analysis	09.05.2024
	Date of completion of analysis	13.05.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/May/66
Sample report number	GPL/2024/May/66	
ULR number	TC555124000001232F	

Environmental conditions	
Temperature in °C	33
Humidity in %	42
Climate	Clear sky
Wind Flow	Normal

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	58.3	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	20.4	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	23.8	80
Inference		Conforms to prescribed standards			

Note: * As per NAAQS - National Ambient Air Quality Standards.


AUTHORISED SIGNATORY
Harish C S (T.M)

End of the report

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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 16.05.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near bunk yard area
	Sample collected by	Kiran G L, Field Technician
	Date of collection	08.05.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	09.05.2024
	Particulars	Ambient Air
	Date of commencement of analysis	09.05.2024
	Date of completion of analysis	13.05.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/May/65
Sample report number	GPL/2024/May/65	
ULR number	TC555124000001231F	

Environmental conditions	
Temperature in °C	33
Humidity in %	46
Climate	Clear sky
Wind Flow	Normal

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	44.5	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	15.4	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	18.8	80
Inference		Conforms to prescribed standards			

Note: 1. * As per NAAQS - National Ambient Air Quality Standards.


AUTHORISED SIGNATORY
Harish C S (T.M)

End of the report

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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 10.06.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near STP plant area
	Sample collected by	Raju K S, Field Technician
	Date of collection	03.06.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	04.06.2024
	Particulars	Ambient Air
	Date of commencement of analysis	04.06.2024
	Date of completion of analysis	10.06.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Jun/21
Sample report number	GPL/2024/Jun/21	
ULR number	TC555124000001465F	

Environmental conditions	
Temperature in °C	29
Humidity in %	67
Climate	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	49.5	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	15.5	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	18.8	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


AUTHORISED SIGNATORY
 Muniraju G (Q.M)

End of the report

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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 10.06.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near bunk yard area
	Sample collected by	Raju K S, Field Technician
	Date of collection	03.06.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	04.06.2024
	Particulars	Ambient Air
	Date of commencement of analysis	04.06.2024
	Date of completion of analysis	10.06.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Jun/20
Sample report number	GPL/2024/Jun/20	
ULR number	TC555124000001464F	

Environmental conditions	
Temperature in °C	29
Humidity in %	61
Climate	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	40.7	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	11.8	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	14.3	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


AUTHORISED SIGNATORY
Muniraju G (Q.M)

End of the report

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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 10.06.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near incubation office area
	Sample collected by	Kiran G L, Field Technician
	Date of collection	03.06.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	04.06.2024
	Particulars	Ambient Air
	Date of commencement of analysis	04.06.2024
	Date of completion of analysis	10.06.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Jun/19
Sample report number	GPL/2024/Jun/19	
ULR number	TC555124000001463F	

Environmental conditions	
Temperature in °C	29
Humidity in %	67
Climate	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	43.8	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	12.4	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	16.0	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


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Muniraju G (Q.M)

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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 10.06.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near security building area
	Sample collected by	Kiran G L, Field Technician
	Date of collection	03.06.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	04.06.2024
	Particulars	Ambient Air
	Date of commencement of analysis	04.06.2024
	Date of completion of analysis	07.06.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Jun/18
	Sample report number	GPL/2024/Jun/18
ULR number	TC555124000001462F	

Environmental conditions	
Temperature in °C	29
Humidity in %	61
Climate	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	46.8	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	15.0	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	17.1	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


AUTHORISED SIGNATORY
 Muniraju G (Q.M)

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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 10.07.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near security building area
	Sample collected by	Kiran G L, Field Technician
	Date of collection	01.07.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	02.07.2024
	Particulars	Ambient Air
	Date of commencement of analysis	02.07.2024
	Date of completion of analysis	05.07.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Jul/12
Sample report number	GPL/2024/Jul/12	
ULR number	TC555124000001746F	

Environmental conditions	
Temperature in °C	28
Humidity in %	71
Climate	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	49.3	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	13.8	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	15.4	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


AUTHORISED SIGNATORY
Harish C S (T.M)

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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 10.07.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talaba Village, Yelbarga Taluk, Koppal District	Sampling location	Near incubation area
	Sample collected by	Kiran G L, Field Technician
	Date of collection	01.07.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	02.07.2024
	Particulars	Ambient Air
	Date of commencement of analysis	02.07.2024
	Date of completion of analysis	05.07.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Jul/13
Sample report number	GPL/2024/Jul/13	
ULR number	TC555124000001747F	

Environmental conditions	
Temperature in °C	28
Humidity in %	71
Climate	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	39.7	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	10.6	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	13.8	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


AUTHORISED SIGNATORY
Harish C S (T.M)

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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 10.07.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near bunk yard area
	Sample collected by	Raju K S, Field Technician
	Date of collection	01.07.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	02.07.2024
	Particulars	Ambient Air
	Date of commencement of analysis	02.07.2024
	Date of completion of analysis	05.07.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Jul/14
Sample report number	GPL/2024/Jul/14	
ULR number	TC555124000001748F	

Environmental conditions	
Temperature in °C	28
Humidity in %	72
Climate	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	46.3	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	10.5	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	12.7	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


AUTHORISED SIGNATORY
Harish C S (T.M)

End of the report

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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 10.07.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near STP plant area
	Sample collected by	Raju K S, Field Technician
	Date of collection	01.07.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	02.07.2024
	Particulars	Ambient Air
	Date of commencement of analysis	02.07.2024
	Date of completion of analysis	05.07.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Jul/15
Sample report number	GPL/2024/Jul/15	
ULR number	TC555124000001749F	

Environmental conditions	
Temperature in °C	28
Humidity in %	71
Climate	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	52.6	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	17.8	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	19.9	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


AUTHORISED SIGNATORY
Harish C S (T.M)

End of the report

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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 14.08.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near STP plant area
	Sample collected by	Raju K S, Field Technician
	Date of collection	06.08.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	07.08.2024
	Particular	Ambient Air
	Date of commencement of analysis	07.08.2024
	Date of completion of analysis	10.08.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Aug/95
Sample report number	GPL/2024/Aug/95	
ULR number	TC555124000001927F	

Environmental conditions	
Ambient Temperature in °C	27
Humidity in %	74
Weather Condition	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	56.8	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	15.6	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	17.7	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


AUTHORISED SIGNATORY
 Harish C S (T.M)

End of the report

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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 14.08.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near bunk yard area
	Sample collected by	Raju K S, Field Technician
	Date of collection	06.08.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	07.08.2024
	Particular	Ambient Air
	Date of commencement of analysis	07.08.2024
	Date of completion of analysis	10.08.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Aug/94
Sample report number	GPL/2024/Aug/94	
ULR number	TC555124000001926F	

Environmental conditions	
Ambient Temperature in °C	28
Humidity in %	71
Weather Condition	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	43.4	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	13.8	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	17.1	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


AUTHORISED SIGNATORY
 Harish C S (T.M)

End of the report

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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 14.08.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near incubation area
	Sample collected by	Kiran G L, Field Technician
	Date of collection	06.08.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	07.08.2024
	Particular	Ambient Air
	Date of commencement of analysis	07.08.2024
	Date of completion of analysis	10.08.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Aug/93
Sample report number	GPL/2024/Aug/93	
ULR number	TC555124000001925F	

Environmental conditions	
Ambient Temperature in °C	27
Humidity in %	70
Weather Condition	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	42.5	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	12.8	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	16.0	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


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Harish C S (T.M)

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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 14.08.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near security building area
	Sample collected by	Kiran G L, Field Technician
	Date of collection	06.08.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	07.08.2024
	Particular	Ambient Air
	Date of commencement of analysis	07.08.2024
	Date of completion of analysis	10.08.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Aug/92
	Sample report number	GPL/2024/Aug/92
	ULR number	TC555124000001924F

Environmental conditions	
Ambient Temperature in °C	28
Humidity in %	67
Weather Condition	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	51.8	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	16.2	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	18.8	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


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End of the report

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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 11.09.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near security building area
	Sample collected by	Kiran G L, Field Technician
	Date of collection	02.09.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	03.09.2024
	Particular	Ambient Air
	Date of commencement of analysis	03.09.2024
	Date of completion of analysis	06.09.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Sep/08
	Sample report number	GPL/2024/Sep/08
ULR number	TC555124000002157F	

Environmental conditions	
Ambient Temperature in °C	28
Humidity in %	66
Weather Condition	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	48.6	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	13.2	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	15.9	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 11.09.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near incubation area
	Sample collected by	Kiran G L, Field Technician
	Date of collection	02.09.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	03.09.2024
	Particular	Ambient Air
	Date of commencement of analysis	03.09.2024
	Date of completion of analysis	06.09.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Sep/09
	Sample report number	GPL/2024/Sep/09
ULR number	TC555124000002158F	

Environmental conditions	
Ambient Temperature in °C	28
Humidity in %	69
Weather Condition	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	39.6	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	10.4	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	13.8	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 11.09.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near bunk yard area
	Sample collected by	Raju K S, Field Technician
	Date of collection	02.09.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	03.09.2024
	Particular	Ambient Air
	Date of commencement of analysis	03.09.2024
	Date of completion of analysis	06.09.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Sep/10
	Sample report number	GPL/2024/Sep/10
ULR number	TC555124000002159F	

Environmental conditions	
Ambient Temperature in °C	29
Humidity in %	61
Weather Condition	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	40.9	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	11.2	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	14.8	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 11.09.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near STP plant area
	Sample collected by	Raju K S, Field Technician
	Date of collection	02.09.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	03.09.2024
	Particular	Ambient Air
	Date of commencement of analysis	03.09.2024
	Date of completion of analysis	06.09.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Sep/11
Sample report number	GPL/2024/Sep/11	
ULR number	TC555124000002160F	

Environmental conditions	
Ambient Temperature in °C	29
Humidity in %	64
Weather Condition	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	50.3	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	17.9	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	20.8	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


AUTHORISED SIGNATORY
Harish C S (T.M)

End of the report

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ANNEXURE 3



TEST REPORT

GPL/T/F/14

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF WASTE WATER

Date: 22.07.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sample collected by	Kiran G L, Field Technician
	Sampling procedure	IS 17614:Part 1:2021
	Date of collection	17.07.2024
	Date of sample receipt	18.07.2024
	Particulars of sample	Sewage treated sample collected from final tank
	Date of commencement of analysis	18.07.2024
	Date of completion of analysis	22.07.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Jul/192
	Sample report number	GPL/2024/Jul/192
ULR number	TC555124000001840F	

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	pH	IS 3025:Part 11:2022	-	7.6	6.5-9.0
2	Chemical Oxygen Demand	IS 3025:Part 58:2023	mg/l	44.0	50
3	Bio-Chemical Oxygen Demand (3 days @ 27 °C)	IS 3025:Part 44:2023	mg/l	9.0	10
4	Non-Filterable Residue (Total Suspended Solids)	IS 3025:Part 17:2022	mg/l	14.8	20
5	Ammonical Nitrogen	IS 3025:Part 34:1988 (Reaffirmed:2019)	mg/l	4.6	5
6	Total Nitrogen	IS 3025:Part 34:1988 (Reaffirmed:2019)	mg/l	9.2	10
7	Fecal Coliform	APHA 24 th Edition 9221 E:2023	MPN/100ml	70	<100
Inference		Conforms to prescribed standards			

Note: 1. * As per KSPCB consent copy.

AUTHORISED SIGNATORY
Muniraju G (Q.M)

End of the report

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TEST REPORT

GPL/T/F/14

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF WASTE WATER

Date: 16.09.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sample collected by	Raju K S, Field Technician
	Sampling procedure	IS 17614:Part 1:2021
	Date of collection	02.09.2024
	Date of sample receipt	03.09.2024
	Particular of sample	Sewage treated sample collected from STP final tank
	Date of commencement of analysis	03.09.2024
	Date of completion of analysis	10.09.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Sep/07
	Sample report number	GPL/2024/Sep/07
ULR number	TC555124000002156F	

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	pH	IS 3025:Part 11:2022	-	7.8	6.5-9.0
2	Chemical Oxygen Demand	IS 3025:Part 58:2023	mg/l	12.0	50
3	Bio-Chemical Oxygen Demand (3 days @ 27 °C)	IS 3025:Part 44:2023	mg/l	5.2	10
4	Non-Filterable Residue (Total Suspended Solids)	IS 3025:Part 17:2022	mg/l	2.6	20
5	Ammonical Nitrogen	IS 3025:Part 34:1988 (Reaffirmed:2019)	mg/l	4.0	5
6	Total Nitrogen	IS 3025:Part 34:1988 (Reaffirmed:2019)	mg/l	8.2	10
7	Fecal Coliform	APHA 24 th Edition 9221 E:2023	MPN/100 ml	79	<100
Inference		Conforms to prescribed standards			

Note: 1. * As per KSPCB consent copy


AUTHORISED SIGNATORY
 Muniraju G (Q.M)

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ANNEXURE 4



Ganga Enviro Tech (OPC) Private Limited

ENGINEERING SOLUTION FOR POLLUTION

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TEST REPORT

GET/T/F/017

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT NOISE

Date: 12.04.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Monitoring done by	Raju K S
	Sampling procedure	IS 9989:1981 (Reaffirmed:2020)
	Date of monitoring	01.04.2024
	Particulars	Ambient noise
	Date of sample receipt	02.04.2024
	Environmental conditions	Normal
	Number of pages	1 of 1
	Sample number	GET/2024/Apr/01
	ULR report number	TC555124000000896F

Day Time Ambient Noise

Sl. No.	Sample locations	Duration	Test method	Noise level Leq in dB(A)	Standards as per The Noise Pollution (Regulation and Control) Rules, 2000
1	Near security building area	11.20 AM-11.25 AM	IS 9989:1981 (Reaffirmed:2020)	67.4	75dB(A) Leq Max (6 AM-10 PM)
2	Near incubation area	11.30 AM-11.35 AM		73.2	
3	Near bunk yard area	11.40 AM-11.45 AM		66.6	
4	Near STP plant area	11.50 AM-11.55 AM		67.8	
Inference		Conforms to prescribed standard			


AUTHORISED SIGNATORY
Harish C S (T.M)

End of the report

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TEST REPORT

GPL/T/F/17

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT NOISE

Date: 15.05.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Monitoring done by	Kiran G L, Field Technician
	Sampling procedure	IS 9989:1981 (Reaffirmed:2020)
	Date of monitoring	08.05.2024
	Date of sample receipt	09.05.2024
	Particulars	Ambient noise
	Environmental conditions	Normal
	Number of pages	1 of 1
	Sample number	GPL/2024/May/67
	Sample report number	GPL/2024/May/67
ULR number	TC555124000001233F	

Day Time Ambient Noise

Sl. No.	Sample locations	Duration	Test method	Noise level Leq in dB(A)	Standard*
1	Near security building area	11.15 AM-11.20 AM	IS 9989:1981 (Reaffirmed:2020)	66.6	75dB(A) Leq Max (6 AM-10 PM)
2	Near incubation area	11.25 AM-11.30 AM		64.8	
3	Near STP plant area	11.35 AM-11.40 AM		62.4	
4	Near bunk yard area	11.45 AM-11.50 AM		66.2	
Inference			Conforms to prescribed standard		

Note: 1. * As per The Noise Pollution (Regulation and Control) Rules, 2000


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Harish C S (T.M)

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TEST REPORT

GPL/T/F/17

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT NOISE

Date: 08.06.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Monitoring done by	Raju K S, Field Technician
	Sampling procedure	IS 9989:1981 (Reaffirmed:2020)
	Date of monitoring	03.06.2024
	Date of sample receipt	04.06.2024
	Particulars	Ambient noise
	Environmental conditions	Normal
	Number of pages	1 of 1
	Sample number	GPL/2024/Jun/22
	Sample report number	GPL/2024/Jun/22
ULR number	TC555124000001466F	

Day Time Ambient Noise

Sl. No.	Sample locations	Duration	Test method	Noise level in dB(A) Leq	Standard*
1	Near security building area	12.20 PM-12.25 PM	IS 9989:1981 (Reaffirmed:2020)	64.9	75 dB(A) Leq (6 AM-10 PM)
2	Near incubation area	12.30 PM-12.35 PM		67.6	
3	Near STP plant area	12.40 PM-12.45 PM		61.8	
4	Near bunk yard area	12.50 PM-12.55 PM		65.7	
Inference			Conforms to prescribed standard		


AUTHORISED SIGNATORY
Muniraju G (Q.M)

End of the report

Note : 1) The results listed above pertain only to the tested samples & applicable parameters. 2) This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and shouldnot be used in advertising media without prior written permission. 3) Sampling is not done by us unless otherwise specified. 4) The Sample will be preserved for maximum of 15 days on request.



Ganga Enviro Tech (OPC) Private Limited

ENGINEERING SOLUTION FOR POLLUTION

CPCB Recognized Environmental Laboratory Under E (P) Act 1986
ISO 45001 : 2018 (OHSAS) CERTIFIED LABORATORY



Address: # 7676, 2nd Floor, "G.G. Complex", 4th Cross, Subhashnagar, Nelamangala, Bengaluru Rural Dist.: 562 123.
+91 9535272266, E-mail : gangaenvirotech@gmail.com / gangaenvirotechlab@gmail.com. web : www.gangaenvirotech.in

TEST REPORT

GPL/T/F/17

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT NOISE

Date: 09.07.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Monitoring done by	Raju K S, Field Technician
	Sampling procedure	IS 9989:1981 (Reaffirmed:2020)
	Date of monitoring	01.07.2024
	Date of sample receipt	02.07.2024
	Particulars	Ambient noise
	Environmental conditions	Normal
	Number of pages	1 of 1
	Sample number	GPL/2024/Jul/16
	Sample report number	GPL/2024/Jul/16
	ULR number	TC555124000001750F

Day Time Ambient Noise

Sl. No.	Sample locations	Duration	Test method	Noise level in dB(A) Leq	Standard*
1	Near security building area	02.15 PM-02.20 PM	IS 9989:1981 (Reaffirmed:2020)	66.8	75 dB(A) Leq (6 AM-10 PM)
2	Near incubation area	02.25 PM-02.30 PM		65.2	
3	Near STP plant area	02.35 PM-02.40 PM		60.6	
4	Near bunk yard area	02.45 PM-02.50 PM		66.4	
Inference		Conforms to prescribed standard			

Note: 1. * Limits as per The Noise Pollution (Regulation and Control) Rules, 2000.


AUTHORISED SIGNATORY
 Harish C S (T.M)

End of the report

Note : 1) The results listed above pertain only to the tested samples & applicable parameters. 2) This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and shouldnot be used in advertising media without prior written permission. 3) Sampling is not done by us unless otherwise specified. 4) The Sample will be preserved for maximum of 15 days on request.



Ganga Enviro Tech (OPC) Private Limited

CPCB Recognized Environmental Laboratory Under E (P) Act 1986
ISO 45001 : 2018 (OHSAS) CERTIFIED LABORATORY



7676, 2nd Floor, "G.G. Complex", 4th Cross, Subhashnagar, Nelamangala, Bengaluru Rural Dist.: 562 123
☎ +91 8105490078, ✉ gangaenvirotech@gmail.com, 🌐 www.gangaenvirotech.in

TEST REPORT

GPL/T/F/17

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT NOISE

Date: 20.08.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Monitoring done by	Kiran G L, Field Technician
	Sampling procedure	IS 9989:1981 (Reaffirmed:2020)
	Date of monitoring	06.08.2024
	Date of sample receipt	07.08.2024
	Particular	Ambient Noise
	Environmental condition	Normal
	Number of pages	1 of 1
	Sample number	GPL/2024/Aug/96
	Sample report number	GPL/2024/Aug/96
	ULR number	TC555124000001928F

Day Time Ambient Noise

Sl. No.	Sample Locations	Duration	Test Method	Noise level in dB(A) Leq	Standard*
1	Near security building area	12.20 PM-12.25 PM	IS 9989:1981 (Reaffirmed:2020)	66.4	75 dB(A) Leq (6 AM-10 PM)
2	Near incubation area	12.35 PM-12.40 PM		64.8	
3	Near STP plant area	12.50 PM-12.55 PM		68.2	
4	Near bunk yard area	01.10 PM-01.15 PM		62.6	
Inference		Conforms to prescribed standard			

Note: 1. * Limits as per The Noise Pollution (Regulation and Control) Rules, 2000.


AUTHORISED SIGNATORY
Harish C S (T.M)

End of the report

Note: 1) The results listed above pertain only to the tested samples applicable parameters. 2) This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in advertising media without prior written permission. 3) Sampling is not done by us unless otherwise specified. 4) The Sample will be preserved for maximum of 15 days.



Ganga Enviro Tech (OPC) Private Limited

CPCB Recognized Environmental Laboratory Under E (P) Act 1986
ISO 45001 : 2018 (OHSAS) CERTIFIED LABORATORY



7676, 2nd Floor, "G.G. Complex", 4th Cross, Subhashnagar, Nelamangala, Bengaluru Rural Dist.: 562 123
☎ +91 8105490078, ✉ gangaenvirotech@gmail.com, 🌐 www.gangaenvirotech.in

TEST REPORT

GPL/T/F/17

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT NOISE

Date: 17.09.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Monitoring done by	Kiran G L, Field Technician
	Sampling procedure	IS 9989:1981 (Reaffirmed:2020)
	Date of monitoring	02.09.2024
	Particular	Ambient Noise
	Date of sample receipt	03.09.2024
	Environmental condition	Normal
	Number of pages	1 of 1
	Sample number	GPL/2024/Sep/15
	Sample report number	GPL/2024/Sep/15
	ULR number	TC555124000002164F

Day Time Ambient Noise

Sl. No.	Sample Locations	Duration	Test Method	Noise level in dB(A) Leq	Standard*
1	Near security building area	10.40 AM-10.45 AM	IS 9989:1981 (Reaffirmed:2020)	67.2	75 dB(A) Leq (6 AM-10 PM)
2	Near incubation area	10.50 AM-10.55 AM		69.4	
3	Near STP plant area	11.00 AM-11.05 AM		68.6	
4	Near bunk yard area	11.10 AM-11.15 AM		66.8	
Inference			Conforms to prescribed standard		

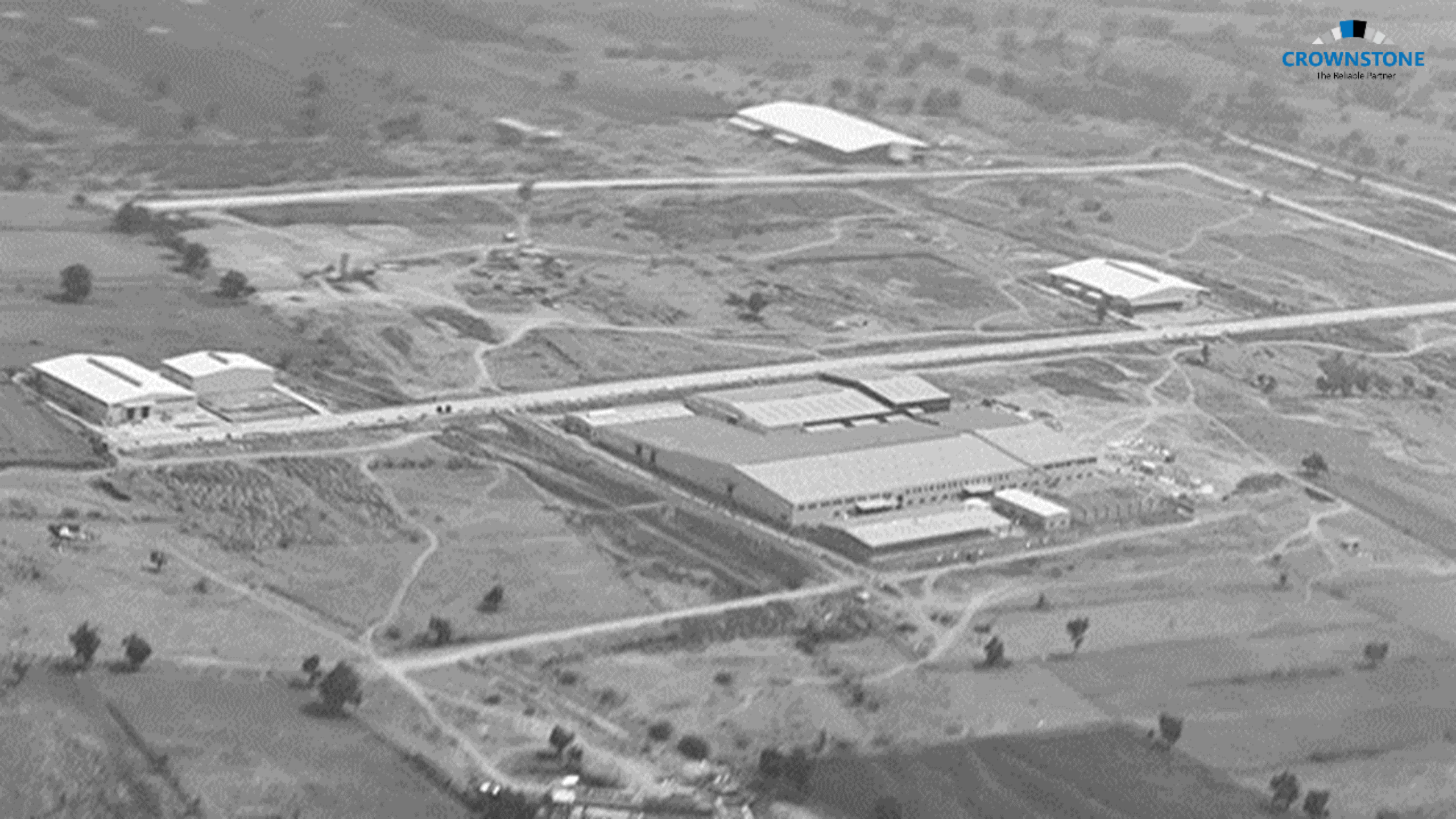
Note: 1. * Limits as per The Noise Pollution (Regulation and Control) Rules, 2000.


AUTHORISED SIGNATORY
Harish C S (T.M)

End of the report

Note: 1) The results listed above pertain only to the tested samples applicable parameters. 2) This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in advertising media without prior written permission. 3) Sampling is not done by us unless otherwise specified. 4) The Sample will be preserved for maximum of 15 days.

ANNEXURE 5



Theme:- “LAND RESTORATION, DESERTIFICATION and DROUGHT RESILIENCE”

AEQUS
ecosystems of efficiency

ವಿಶ್ವ ಪರಿಸರ ದಿನ

5ನೇ ಜೂನ್ - 2024

WORLD ENVIRONMENT DAY

June 5th - 2024



**Theme: LAND RESTORATION, DESERTIFICATION
and DROUGHT RESILIENCE**

**ಧ್ಯೇಯ: ಭೂ ಮರುಸ್ಥಾಪನೆ, ಮರು ಭೂಮೀಕರಣ
ಮತ್ತು ಬರದಿಂದ ಚೇತರಿಸಿಕೊಳ್ಳುವುದು**

Sapling Plantation at Koppal



Sapling Plantation at Koppal



Sapling Plantation at Koppal



THANK YOU

“Our Land, Our Future. We are #GenerationRestoration.”

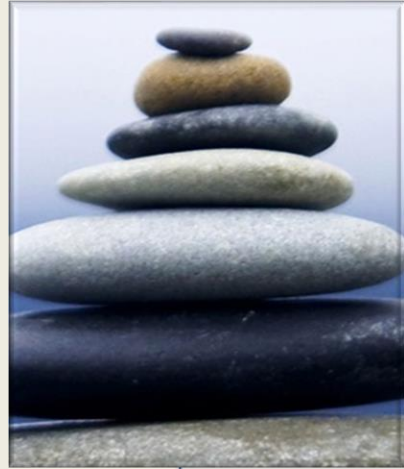
ANNEXURE 6



Aequs Foundation



Vision and Mission



Vision:

- Inspiring and Educating students in STEAM* education and Health at neighboring community of Aequs



Mission :

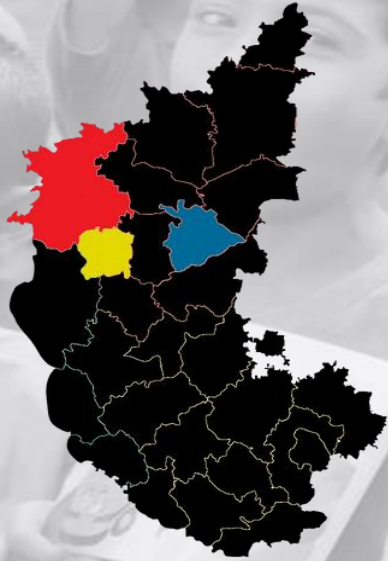
- To bring about positive changes in our society that are measurable and sustainable



**STEAM: Science, Technology, Engineering, Arts and Math*

AEQUS FOUNDATION

Journey so far...



3

Districts



152

Schools



30,082

Students



2.72 Million

Learning Hours

Programs

Programs

Cognitive Development Program

STEAM Literacy Program

Student Excel Program (STEP)

Health Awareness Program

To improve Foundation Literacy and Numeracy

To improve Awareness, Confidence, Curiosity, Knowledge and Application towards STEAM education

To assist students to achieve Excellence in Curricular and Co-Curricular performance

To achieve behavior, change towards Hygiene and Sanitary practices

Humara Gaon

Science Centre, Mobile Science Labs, After School Program

Career Orientation, Workbook Support

Health & Hygiene Education, Health Check Ups

Pratham Education Foundation

Agastya International Foundation

Youth for Seva

Youth for Seva

Objectives

Projects

Implementation Partner

Cognitive Development Program : Humara Gaon

Projects & Initiatives

- Anganwadi Training
- Learning Camps
- Mother Group
- Mother Mela

Location

- Koppal

Beneficiaries

- 25 Schools and 59 Anganwadis at Koppal
- 5000 Students
- 150 Mother groups, 500 Mothers

Learning Hours Till Now

- 5,80,000



Anganwadi Training



Learning Camps



Mother Group



Mother Mela

STEAM Literacy Program : Mobile Science Labs

Projects & Initiatives

- Labs for Physics , Chemistry, Mathematics, Biology , Innovation, Computer & Lab on Tab

Location

- Koppal : Banapur

Beneficiaries

- 26 Schools
- 3000 Students

Learning Hours Till Now

- 1,20,000



Mobile Lab



PCMB Lab



Innovation Lab



Computer Learning

STEAM Literacy Program : Other Projects

Projects & Initiatives

- After School Centers
- Science Fairs
- Make Your Own Lab
- Yuvacharya

Location

- Koppal

Beneficiaries

- After School Centres : 4 students
- Yuvacharya – 1 B.Ed Colleges
300 Future Teachers

Learning Hours Till Now

- After School Centres : 2,00,000
- Yuvacharya : 25,000



After School Centres



Avishkar : Science Fair



Make Your Own Lab : Teacher's Training



Yuvacharya : B.Ed Student Training

Cost

1. Humara Gaon : Rs 36,00,000/-
2. Mobile Science Lab : Rs. 23,00,000/-

Our Journey...

- 2006-2007**
 - QuEST Global Manufacturing started as part of QuEST Global in Bengaluru
 - Aerospace Processing India (API) JV partnership set up with Magellan Aerospace, adding Surface Treatment capabilities to the Aerospace ecosystem
- 2009-2010**
 - Airbus and Boeing approve API's Surface Treatment facility, the first in India
 - Manufacturing operations commence at Belagavi SEZ
- 2011-2012**
 - SQUAD Forging India partnership established with Aubert & Duval, adding Forging & Heat Treatment capabilities to the Aerospace ecosystem
 - Aerostructures Assemblies (AAI) business established
- 2014**
 - India's largest Aerospace Hydraulic Press (10K tonne) becomes operational in Belagavi
 - QuEST Global Manufacturing is rebranded as "Aequs"
- 2015**
 - Dedicated machining facility for Airbus (100K sq.ft.) inaugurated at SEZ
 - Acquired aerospace manufacturing operations in North America
 - Launched Consumer vertical for Toy Manufacturing
- 2016**
 - Acquired aerospace manufacturing operations in Europe
 - Established India's only Aerospace FTWZ & Material Processing center
 - Received Airbus Innovation Award & Detailed Parts Partner (D2P) Status
- 2017**
 - Consumer manufacturing facilities become operational at Belagavi
 - First Airbus A321 door plug delivered from AAI
- 2018**
 - Introduced Flexible Manufacturing System (FMS) for Aerospace operations
 - Achieved 1 MN installed machining hours
 - Established Toy Manufacturing partnership with GFT
- 2019**
 - First in India to produce A321 Over Wing Exit Door (OWED) structural assemblies
 - Announced India's first ~400-acre Toy Manufacturing cluster at Koppal, Karnataka
- 2020**
 - Aequs in India certified as 'Great Place to Work' by GPTW for FY21
 - Received first Casing Industrialization Award from Safran Helicopter Engines (SHE)
- 2021**
 - Groundbreaking of India's first Toy Manufacturing cluster at Koppal
 - Completed 100th shipset of both Over Wing Exit Doors (OWED) & Plug Door assemblies
 - Ground-breaking of India's first Consumer Durable Goods Cluster at Hubballi
- 2022-2023**
 - On target to deliver the 1st vertically integrated, machined forging product out of India
 - Onward to creating up to 100% in-country / in-cluster value-add
 - 1st external fundraising with 2 rounds led by Amansa and Amicus
 - Launched new vertical **ATP**

Thank You

ANNEXURE 7

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Environmental Audit Statement

For The Year

2023 - 2024

Aegus SEZ Private Limited

Sy. Nos. 28 to 33 of Bannapur Village & Sy. Nos. of 128-136,
139-143,199, 202,203,25-211 of Talabal Village,
Kukanoor Taluk, Koppal District

: Submitted To

KARNATAKA STATE POLLUTION CONTROL BOARD

Regional Office – Koppal
Karnataka State Pollution Control Board,
Building No. 09/7/680/30A, B.T. Patil Nagar,
3rd Cross, Near Focus Mart, Koppal - 583231

GENERAL INFORMATION

Name of the Company : Aequs SEZ Private Limited

Address : Sy. Nos. 28 to 33 of Bannapur Village &
Sy. Nos. of 128-136,139-143, 199, 202,
203, 25-211 of Talabal Village,
Kukanoor Taluk, Koppal District

District : Koppal

State : Karnataka

Phone : 8147612776

Product Manufactured : Operation of 500 KLD CSTP installed at
Industrial Area (SEZ&DTA) of TBUA
4,22,642 SQM (Plot area 253.20 Acres

Year of Establishment : 2022

Operation during the period of audit

a) Working days per year : 302days

b) Working days per week : 6 days

c) No. of working shifts : 3 shifts

No. of Employees : 12 Nos.

Current Approvals : KSPCB Consent under
WATER Act , AIR Act & HWM
authorization

FORM-V**Environmental Statement for the financial year ending
31st March 2024****Part -A**

1. Name and address of the owner / occupier of the industry in operation or process.

Mr. Vikram Annappa
Managing Director

Aequs SEZ Private Limited
Sy. Nos. 28 to 33 of Bannapur Village &
Sy. Nos. of 128-136,139-143, 199, 202,
203, 25-211 of Talabal Village,
Kukanoor Taluk, Koppal District

2. Industry Category Primary -(STC Code) Secondary (SIC Code):
Red
3. Production category-units :

Consented capacity: Operation of 500 KLD CSTP installed at Industrial Area (SEZ&DTA) of TBUA 4,22,642 SQM (Plot area 253.20 Acres)

Actual Production: NA

4. Year of Establishment : 2022
5. Date of the last environmental statement submitted: 26.09.2023

Part -B**Water and Raw materials consumption:****Water consumption in m³/day**

Sl No	Purpose	Quantity(m ³ /day)
1	Domestic	0.480

Name of products	Process water consumption per unit of product	
	During the previous financial year	During the current financial year
Operation of 500 KLD CSTP installed at Industrial Area (SEZ&DTA) of TBUA 4,22,642 SQM (Plot area 253.20 Acres	Nil	Nil

Note: There is no water consumption for production process

Raw material consumption:

Name of raw materials	Name of products	Consumption of raw material per unit of Product	
		During the previous financial year 2022-23	During the current financial year 2023-24
NA	Operation of 500 KLD CSTP installed at Industrial Area (SEZ&DTA) of TBUA 4,22,642 SQM (Plot area 253.20 Acres	NA	NA

Part -C

Pollution discharged to environment/unit of output

(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/ volume)	Percentage of variation from prescribed standards with reasons.
WATER: Sewage- 384LPD	Sewage effluent shall be discharge into STP of capacity 500 KLD, treated to standards stipulated at all times and used for secondary urban purposes within the premises with Zero Liquid discharge outside.		
AIR: • 2000KVA-2 Nos.	Reports of AAQM, Ambient Noise monitoring & Stack monitoring are enclosed.		

Part-D**Hazardous Wastes**

[As specified under Hazardous & Other wastes (Management & Transboundary Movement) Rules, 2016]

Hazardous Wastes	Total Quantity	
	During the previous financial year	During the current financial year
a. From Process		
• Used Oil	Nil	20 Ltrs
• Oil soaked cotton waste	Nil	2Kgs
• Waste residue containing Oil	Nil	Nil
• Empty barrels	Nil	Nil
b. From Pollution Control Facilities	NA	NA

Other Wastes

Other Wastes	Total Quantity	
	During the previous financial year	During the current financial year
a. From Process		
• Wood Scrap	NIL	NIL
• Rubber Scrap	NIL	NIL
• Paper Scrap	NIL	NIL
• Metal & Metal scrap in metallic non-dispersible form	NIL	NIL
b. From Pollution Control Facilities	NA	NA

Part-E**Solid Wastes**

Solid Wastes	Total Quantity	
	During the previous financial year	During the current financial year
a. From Process	-	-
b. From Pollution Control Facilities	NA	NA
• STP Sludge		
c. Qty. recycled or reutilized within the unit.	NA	NA
• STP Sludge		

Part - F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Used Oil & Oil Soaked Cotton Waste are the hazardous wastes generated in the industry which will be scientifically stored at site in a safe and secured manner. There is no other wastes generated in the industry during the financial year 2023-24.

Part - G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

Housekeeping is of high priority has reduced the mismanaging of materials. The sewage from all the Aequis -koppal units are being treated in STP of capacity 500KLD. After treatment the water is being used onland for gardening and toilet flushing.

Part - H

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

- a. Environment protection and pollution control have been the priority for the industry.*
 - b. Any suggestions or improvements directed by the PCB would be implemented.*
-

Part - I

Miscellaneous

Any other particulars in respect of environmental protection and abatement of pollution.

- a. The premises is always kept clean and tidy.*
 - b. Constant efforts will be made in making use of the updated technologies.*
 - c. We have conducted workshops and sessions throughout the year in 26 Schools & 59 anganawaadi to educate students as well as teachers to get awareness on Health & Hygiene.*
 - d. We have organized Happy School Project, the objective of this project is to provide infrastructural support to government schools.*
-

ENCLOSURES

**Consent For Operation
(CFO-Air,Water)**Consent No. AW-333290
Valid upto: 30/06/2027Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321
email id: ho@kspcb.gov.in

Industry Colour: RED Industry Scale: LARGE

Application Type: CFO-Fresh

(This document contains 5 pages including annexure & excluding additional conditions)

Combined Consent Order No. AW-333290 PCB ID: 79383 Date: 16/09/2022

Combined consent for discharge of effluents under the Water (Prevention and Control of Pollution) Act, 1974 and emission under the Air (Prevention and Control of Pollution) Act, 1981

- Ref: 1. Application filed by the applicant/organization on 10/08/2022
 2. Inspection of the Industry/organization/by RO, on 04/08/2022
 3. Proceedings of the ECM dated 31/08/2022, held on 24/08/2022

Consent is hereby granted to the Occupier under Section 25(4) of the Water (Prevention & Control of Pollution) Act, 1974 (herein referred to as the Water Act) & Section 21 of Air (Prevention & Control of Pollution) Act, 1981, (herein referred to as the Air Act) and the Rules and Orders made there under and authorizes the Occupier to operate/carryout industry/activity & to make discharge of the effluents & emissions conforming to the stipulated standards from the premises mentioned below and subject to the terms and conditions as detailed in the Schedule Annexed to this order.

Location:

Name of the Industry: Aequs Sez Private Limited
 Address: sy. nos. 28 to 33 of Bannapur Village & sy. nos. 128-136, 139 to 143, 199, 202, 203, 25 to 211 of Talabal Village,, Kukanur Taluk & Koppal District
 Industrial Area: Not In I.A., Banapur & Talabal,
 Taluk: Yelbarga, District: Koppal

CONDITIONS:**a) Discharge of effluents under the Water Act:**

Sr	Water Code	WC(KLD)	WWG(KLD)	Remark
1	Domestic Purpose	500.000	450.000	Sewage effluent shall be discharge into STP of capacity 500 KLD, treated to standards stipulated at all times and used for secondary urban purposes within the premises with Zero Liquid discharge outside

b) Discharge of Air emissions under the Air Act from the following stacks etc.

Sl. No.	Description of chimney/outlet	Limits specified refer schedule
The details of Sources, control equipments and its specification, type of fuel, constituents to be controlled in emissions etc. are detailed in Annexure-II.		

The consent for operation is granted considering the following activities/Products;

Sr	Product Name	Applied Qty	Unit
1	Operation of 500 KLD CSTP installed at Industrial Area (SEZ&DTA) of TBUA 4.22.642 SQM(Plot area 253.20 Acres)	1.0000	Number

This consent is valid for the period from 10/08/2022 to 30/06/2027

To,
 Aequs Sez Private Limited
 sy. nos. 28 to 33 of Banapur Village & sy. nos. 128-136, 139-143, 199, 202, 203

COPY TO:

- The Environmental Officer, KSPCB, Regional Office Koppal for information and necessary action.
 2. Master Register.
 3. Case file.

Consent Fee paid : Rs. 1500000



**Consent For Operation
(CFO-Air,Water)**

Consent No. AW-333290
Valid upto: 30/06/2027

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321
email id: ho@kspcb.gov.in

Industry Colour: RED Industry Scale: LARGE

Application Type: CFO-Fresh

(This document contains 5 pages including annexure & excluding additional conditions)

SCHEDULE

TERMS AND CONDITIONS

A. TREATMENT AND DISPOSAL OF EFFLUENTS UNDER THE WATER ACT.

1. The discharge from the premises of the occupier shall pass through the terminal manhole/manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act/Rules made there under.
- 2(a). The sewage/domestic effluent shall be treated in septic tank and with soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be as per IS 2470 Part-I & Part-II.
- 2(b). The treated sewage effluent discharged shall conform to the standards specified in Annexure-I.
- 3(a). The trade effluent generated in the industry shall be treated in the ETP and treated effluent shall conform to the standards stipulated by the Board in Annexure-I
- 3(b). The trade effluent shall be handed over to CETP and maintain logbook of effluent generated & sent every day.
4. The applicant shall install flow measuring/recording devices to record the discharge quantity and maintain the record.
5. The applicant shall not change or alter either the quality or the quantity or the place of discharge or temperature or the point of discharge without the previous consent/ permission of the Board.
6. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises. Storm water shall not be allowed to mix with the effluents on the upstream of the terminal manhole where the flow measuring devices are installed.
7. The daily quantity of domestic effluent and trade effluent from the industry shall not exceed the limits as indicated in this consent order:
8. The applicant shall discharge the effluents only to the place mentioned in the Consent order and discharge of treated/untreated outside the premises is not permitted.

B. EMISSIONS:

1. The discharge of emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in **Annexure-II** where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under. The tolerance limits of the constituents forming the emissions in each of the stacks shall not exceed the limits laid down in Annexure-II.
2. The applicant shall provide port holes for sampling of emission, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder as indicated in Annexure-II.
3. The applicant shall upgrade/modify/replace the control equipment with prior permission of the Board.

C. MONITORING & REPORTING:

1. The applicant shall get the samples of effluents & emissions collected and get them analyzed once a month/either by in house monitoring laboratory or through EP approved laboratories for the parameters as Indicated in Annexure I & II.
2. The applicant shall maintain log books to reflect the working condition of pollution control systems and also self monitoring results and keep it open for inspection.

D. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:

1. The applicant shall segregate solid waste from Hazardous Waste, Municipal Solid Waste and store it properly till treatment/disposal without causing pollution to the surrounding Environment.
2. The solid waste generated shall be handled & disposed by scientific method without causing eye sore to the general public and to the surrounding environment.



**Consent For Operation
(CFO-Air,Water)**

Consent No. AW-333290
Valid upto: 30/06/2027

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321
email id: ho@kspcb.gov.in

Industry Colour: RED Industry Scale: LARGE

Application Type: CFO-Fresh

(This document contains 5 pages including annexure & excluding additional conditions)

E. NOISE POLLUTION CONTROL:

The applicant shall ensure that the ambient noise levels within its premises during construction and during operational period shall not exceed w.r.t Area/Zone as per Noise Pollution (Regulation and Control) Rules, 2000 as mentioned below:-

- In Industrial Area 75 dB(A) Leq during day time and 70 dB(A) Leq during night time.
- In Commercial Area 65 dB(A) Leq during day time and 55 dB(A) Leq during night time.
- In Residential Area 55 dB(A) Leq during day time and 45 dB(A) Leq during night time.
- In Silence Zone 50 dB(A) Leq during day time and 40 dB(A) Leq during night time.

Note: - * Day time shall mean 6 am to 10 pm and Night time shall mean 10 pm to 6 am.

- * dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- * A "decibel" is a unit in which noise is measured.
- * "A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
- * Leq: It is an energy mean of the noise level over a specified period.

F. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUNDARY MOVEMENT) Rules 2016:

The applicant shall comply with the provisions of the Hazardous and other Wastes (Management & Transboundary Movement) Rules 2016.

G. GENERAL CONDITIONS:

- The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises.
- The applicant shall promptly comply with all orders and instructions issued by the Board from time to time or any other officers of the Board duly authorized in this behalf.
- The applicant shall set-up Environmental Cell comprising of qualified and competent personnel for complying with the conditions specified.
- The Board reserves the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent.
- The applicant shall forthwith keep the Board informed of any accidental discharge of emissions/effluents into the atmosphere in excess of the standards laid down by the Board. The applicant shall also take corrective steps to mitigate the impact.
- The applicant shall provide alternate power supply sufficient to operate all Pollution control equipments.
- The entire premises shall always be kept clean. The effluent holding area, inspection chambers, outlets, flow measuring points should be made easily approachable.
- The applicant shall display the consent granted in a prominent place for perusal of the inspecting officers of the Board.
- The applicant his heirs, legal representatives or assignee shall have no claims what so ever to the continuation or renewal of this consent after expiry of the validity of consent.



**Consent For Operation
(CFO-Air,Water)**

**Consent No. AW-333290
Valid upto: 30/06/2027**

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321
email id: ho@kspcb.gov.in

Industry Colour: RED Industry Scale: LARGE

Application Type: CFO-Fresh

(This document contains 5 pages including annexure & excluding additional conditions)

- 10. The applicant shall make an application for consent for subsequent period at least 45 days before expiry of this consent.
- 11. The applicant shall develop and maintain adequate green belt all around the periphery.
- 12. The applicant shall provide rain water harvesting system and shall provide proper storm water management system.
- 13. This consent is issued without prejudice to any Court Cases pending in any Hon'ble Court
- 14. The applicant shall furnish the Environmental statement for every financial year ending with 31st March in Form-V as per Environment (Protection) Rules, 1986. The statement shall be furnished before the end of September.
- 15. The applicant shall display flow diagram of the pollution control system near the pollution control system/s.

NOTE:

The Conditions Nil mentioned in the schedule are not applicable.

Additional Conditions:

A - 2(a), 3(a), 3(b), C, D, F, G(8) these conditions are not applicable.

The project authorities shall strictly comply with the conditions stipulated in Annexure I contains pages.

The CFO is issued as per the recommendations of the Enforcement Committee Meeting held on 24.08.2022 & duly approved by Member Secretary & Hon'ble Chairman.

Chimney No.	Chimney attached to	Capacity/ KVA Rating	Minimum chimney height to be provided above ground level (in Mts)	Constituents to be controlled in the emission	Tolerance limits mg/NM3	Fuel	Air pollution Control equipment to be installed, in addition to chimney height as per col.(4)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.
1	D.G. Sets	2000KV A-II	30	PM, SO ₂ , NO _x , CO, NMHC	0, 0, 0	DIE	AEC, PRT	
2	D.G. Sets	2000KV A-30m ARL	30	PM, SO ₂ , NO _x , CO, NMHC	0, 0, 0	DIE	AEC	

Note:

AEC, PRT : Acoustic Enclosures

AEC : Acoustic Enclosures

Note:

- 1. The Noise levels within the premises shall not exceed 75 dB (A) leq during day time and 70 dB(A) leq during night time respectively.
- 2. The DG set shall be provided with acoustic measures as per SI.No.94 in Schedule-I of Environment (Protection) Rules.
- 3. There shall be no smell or odour nuisance from the industry.



**Consent For Operation
(CFO-Air,Water)**

**Consent No. AW-333290
Valid upto: 30/06/2027**

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Application Type: CFO-Fresh

(This document contains 5 pages including annexure & excluding additional conditions)

LOCATION OF SAMPLING PORTHOLES, PLATFORMS, ELECTRICAL OUTLET.

1. Location of Portholes and approach platform:

Portholes shall be provided for all chimneys, stacks and other sources of emission. These shall serve as the sampling points. The sampling point should be located at a distance equal to atleast eight times the stack or duct diameters downstream and two diameters upstream from source of low disturbance such as a Bend, Expansion, Construction Valve, Fitting or Visible Flame for rectangular stacks, the equivalent diameter can be calculated from the following equation.

$$\text{Equivalent Diameter} = \frac{2 (\text{Length} \times \text{Width})}{(\text{Length} + \text{Width})}$$

2. The diameter of the sampling port should not be less than 100 mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period
3. An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point of 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.
4. The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.

For and on behalf of the
Karnataka State Pollution Control Board

Signature valid

Digitally signed by
Date: 2022.09.13 13:13:14
+05:30

Additional Conditions

In addition to the Consent for Operation issued by the Board in electronic format under Section (25) of the Water (Prevention & Control of Pollution) Act, 1974 and Section (21) of the Air (Prevention and Control of Pollution) Act, 1981 and the Rules & Orders made there under to **Mr. Vikram S Annappa, Executive Director, AEQUS SEZ Private Limited**, authorizing them to operate Common Sewage Treatment Plant (CSTP) of capacity **500 KLD** installed at their **Industrial Area for Light Engineering Goods and Service Ecosystem (SEZ & DTA) Special Economic Zone, Domestic tariff area at Sy. No. 28 to 33 of Bannapur Village & Sy. No.128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Kukanur Taluk & Koppal District having TBUA 4,22,642.0 SQM, (plot area in an extent of 253.20 Acres)** subject to the applicant complying with the following additional conditions for treatment and discharge of sewage effluent and air emissions from the project:

References:

1. CFE No. CTE-314635 PCB ID: 79383 dated 07.09.2019.
2. CFO application submitted at Regional Office, **Koppal** with PCB Id **79383**, dated: 10.08.2022.
3. Proceedings of the Enforcement Committee Meeting held on 24th August 2022.

Discharge of Sewage under the Water Act 1974:

Sl. No	Description	Permitted Quantity of discharge	Place of discharge
1	Domestic	450 KLD	Sewage effluent shall be discharged into CSTP of capacity 500 KLD , treated to standards stipulated at all times and used for secondary urban reuse such as landscape, gardening, toilet flushing, fire protection and heating ventilation and air conditioning within the premises with Zero Liquid discharge outside.
2	Tolerance Limits	As specified in Table 01 below	
3	Frequency of monitoring	Monthly	

Table 1: Discharge Standards for Treated Sewage Effluent:

Sl. No	Parameter	Prescribed Standards	Sl. No	Parameter	Prescribed Standards
01.	pH	6.5 – 9.0	05.	NH ₄ -N (mg/l)	Not more than 5
02.	BOD ₃ at 27°C (mg/l)	Not more than 10	06.	N-Total (mg/l)	Not more than 10
03.	COD (mg/l)	Not more than 50	07.	Fecal Coli form (MPN/100 ml).	Less than 100
04.	TSS (mg/l)	Not more than 20			

Discharge of Air Emissions under the Air Act, 1981 from the following stacks.

Sl.No.	Description of chimney/outlet	Limits specified refer schedule
1	2000 KVA DG Set x 2 Nos	As per Table 2
	Frequency of Stack Monitoring	Once in 03 months

This Consent to Operate is granted for Period up to 30.06.2027 from the date of issue.

For and on behalf of the KSPCB

Senior Environmental Officer



To

Mr. Vikram S Annappa, Executive Director,
AEQUS SEZ Private Limited, No.55, Aequs Towers,
ITPB-Whitefield Main Road, Mahadevapura Post, Bengaluru – 560 048.



A. Treatment & Disposal of Sewage Effluent under the Water Act, 1974.

1. The discharge from the premises of the applicant shall pass through the terminal manhole/manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act or Rules made there under.
2. All the treatment units shall be made impervious and if they do not achieve the standards stipulated above or if it is found to be inadequate, the applicant shall have to modify the units or upgrade the STP with prior consent of the Board, in order to attain standard stipulated.
3. Applicant shall add appropriate disinfectant to treated sewage to ensure residual chlorine preferably in the range of 1 mg/l. to 3 mg/l. In case of excess treated sewage is an arrangement can be made with the end users such as civic authority parks or nearby construction projects with proper documentation and prior approval of the Board.
4. **DANGER** sign board near the STP shall be installed to maintain safety of the personnel involved in its operation and maintenance. Proper signage shall be displayed in both Kannada and English languages near the taps that discharge treated sewage as non potable water. Access to STPs shall be given to authorized persons only with issue of necessary permits
5. In event of breakdown of regular power supply alternate source such as a captive diesel generator set to run and operate the essential units of sewage treatment plant shall be provided.
6. The services of qualified Environmental Engineer or Scientist shall be availed for the management of environmental aspects such as STP operation & cleaning, municipal solid waste management, domestic hazardous waste management, etc. The STP operators shall be trained & certified by a reputed organization such as Environmental Management Policy Research Institute.
7. Suitable flow measuring device shall be installed to quantify the flow of sewage.
8. Online sensor shall be installed in the STP for monitoring and displaying the parameters mentioned in Table 1 and the same shall be synchronized to the PCB server.

B. Air Pollution Control:

1. The rate of emissions discharged and the tolerance limits of the constituents forming the emissions in each of the stacks shall not exceed the limits laid down in Annexure. The applicant shall monitor the emission levels as per the frequency schedule indicated in the **Table-2,**
2. All diesel generators sets above the capacity of 125 KVA shall be fixed with a retrofitting emission control device having a minimum specified particulate matter capturing efficiency of at least 70% as per Board order No. 2887 dated 17.09.2021 which in turn is as per directions of the honorable NGT in matters related to OA 681/ 2018, order dated 06.08.2019. Any installation of additional air pollution sources shall be done with prior permission of the Board.

C. Noise Pollution Control:

1. The applicant shall ensure that the ambient noise levels within the premises are maintained as per provisions of the Noise Pollution (Regulation and Control) Rules, 2000.

D. Solid Waste Disposal:

1. The applicant shall earmark suitable place with adequate space for management of solid wastes such as segregation, treatment and scientific storage. Organic solid waste shall be treated in in-house organic waste processing facility. Inorganic portion shall be handed over to authorized agency or ULB collection system with proper documentation.

2. Biomedical waste shall be handled & disposed as per the provisions of Biomedical Waste Management Rules, 2016. Separate bins shall be provided for the collection of the same.
3. Used sanitary napkins shall be stored and disposed scientifically as per prevailing law. The sanitary napkins shall be collected in separate bins with proper precautions and markings.
4. Plastic waste shall be handled & disposed as per provisions of Plastic Waste Management (Amendment) Rules, 2021. The waste plastic shall be handed over to authorized plastic waste processors duly maintaining appropriate records.
5. E waste shall be managed & disposed as per E-Waste (Management) Rules, 2016. Separate bins shall be kept at appropriate location in the premises for collection of the same with proper notification and markings.
6. Battery waste shall be managed & disposed as per Battery (Management & Handling) Rules 2010.
7. Hazardous wastes & other wastes shall be stored and disposed as per Hazardous & Other Wastes (Management and Trans boundary Movement) Rules, 2016. Hazardous waste generated shall be stored separately and handed over to authorized reprocessors.

E. Health & Safety:

1. The applicant shall provide all necessary personal protective equipment & healthcare facilities to Workers as per the prevailing policies of the competent authorities. Wastes such as mask, gloves generated during the pandemic periods shall be packed separately without mixing with the other wastes and handed over to Common Biomedical Waste Management Facilities. Used sanitary napkins, tampons and such allied materials shall be packed separately and handed over to the civic authorities for the safe disposal.

F. Project Specific conditions:

1. Common Sewage treatment plant(CSTP) shall mandatorily install inlet and outlet sensors with common platform for data transfer.
2. The authorities shall provide proper scientific piping network for individual industries to Common Sewage Treatment plant CSTP.
3. The applicant shall provide inlet flow meter to CSTP from individual industrial sheds regarding quantification of trade effluent and sewage entering into CSTP.
4. The applicant shall maintain scientific log book for collection, treatment and disposal of treated domestic sewage.
5. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc., and other for supply of recycled water for flushing, landscape, irrigation and bathing etc., and other for supply of recycled water for flushing, landscape, irrigation, car washing, cooling, conditioning etc., shall be done.
6. The applicant shall adopt Solar energy harvesting measures by installing Solar water heaters, solar lighting for road side and on all common area lighting.
7. The applicant shall harvest Solar energy by installing roof top Solar panels to minimize grid energy in phase wise to become sustainable project.
8. The applicant shall earmark separate Solid Waste management area for collection, storage and management of Solid waste viz., Organic, inorganic, E-Waste & Hazardous Waste generated from this industrial Estate.
9. The applicant shall have dedicated Environmental Management Cell headed by qualified and experienced Environmental professional to look after the issues of Environmental management inside and outside the Industrial Estate.
10. The applicant shall provide wooded buffer zone by taking up of 5 rows tall growing local species all along the boundary of the project site.

G. GENERAL:

1. The applicant shall adopt rain water harvesting and details with drawings shall be furnished within a month.
2. The industrial units in the industrial area and the associated facilities shall be strictly in accordance with the norms laid down by the Karnataka State Government and Board.
3. The existing water body, canals and rajakaluve and other drainage and water bound structures if any shall be retained unaltered with due buffer zone as applicable and maintained under tree cover.
4. The natural sloping pattern of the project site other than the area excavated for the purpose of construction of proposed building shall remain unaltered and the natural hydrology of the area be maintained as it is to ensure natural flow of storm water.
5. Lakes and other water bodies within and/or at the vicinity of the project area shall be protected and conserved.
6. The excess water beyond rain water harvesting shall be let into recharge pits of sufficient numbers. The design details shall be furnished within a month.
7. The applicant must create structure/facility for rain water harvesting and ground water recharge pits to facilitate the increase of ground water table.
8. The provision of Energy Conservation Building code, 2006 shall be fully complied with.
9. The project authority shall ensure that no water bodies are polluted due to project activities and the nala/water bodies if any within the project areas are well protected with sufficient buffer.
10. The industrial units in the industrial area and the associated facilities shall be strictly in accordance with the norms laid down by the Karnataka State Government and Board.
11. The project authorities shall strictly adhere to the commitments made with regard to establishment of CSTP, buffer zone, green belt conditions to be incorporated in the lease document while allotting plots to individual industries, environment safety aspects etc.,
12. The existing water body, canals and Rajakaluve and other drainage and water bound structures if any shall be retained unaltered with due buffer zone as per Local Planning Authority Zoning Regulations.
13. The project authority shall implement all the recommendations made in the Environmental Impact Assessment/EMP report and risk assessment report.
14. The project proponent shall ensure that the greenery of the area is maintained. Further 33% of the project area shall be dedicated for green belt development. The local Forest Department shall be associated for this purpose and requisite budget earmarked.
15. Adequate measures should be taken to prevent odour problem from solid waste processing plant and CSTP.
16. The project authorities shall bifurcate the industrial plots and residential plots if any with a thick and tall vegetative barrier green belt.
17. The project authority shall incorporate a condition in the prospective lease/sale deed/Agreement with individual industries that they also shall abide by the conditions of the E.C. & individual industries shall obtain separate CFE & CFO by submitting their project details from the Board.
18. The applicant must create structure/storage facility for rain water harvesting and ground water recharge.

19. The applicant shall implement the Environmental Management Plan during construction and after construction as given under EMP report.
20. Shall provide necessary electrical charging facilities for battery operated vehicles in the car parking area or at vantage places as per the prevailing policies of the Government.
21. The applicant shall promptly comply with all orders and instructions issued from time to time by the Board or any other officers of the Board duly authorized in this behalf.
22. The applicant shall display the consent granted in a prominent place for perusal of the inspecting officers of the Board.
23. No sewage, solid waste and should be put in the storm water drains.
24. The applicant, their heirs, legal representatives or assignees shall have no claims what so ever to the continuation or renewal of this consent after expiry of the period of consent.
25. The applicant shall make an application for consent at least 120 days before expiry of this consent.
26. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.
27. The applicant shall submit Half Yearly Consent Conditions Compliance Report to the Regional & Board Office as per schedule mentioned here in – April to September months to be submitted before 31st October, while October to March to be submitted before 30th April.
28. Non Compliances to conditions stipulated, Board has the right to withdraw the consent.
29. The applicant shall impart awareness on Environmental matters across the Hotel, thorough electronic media installed at vantage places.
30. The Board reserves the right to withdraw this consent in case of any non compliance to the conditions stipulated herein.

For and on behalf of
Karnataka State Pollution Control Board


Senior Environmental Officer


Senior Environmental Officer

Table - 2

Sl. No.	Source of Air Pollution	Requisite Air Pollution Control	Emission Constituents to be controlled	Tolerance limits mg/Nm ³
1	2000 KVA DG Set x 2 Nos	Refer Note 1 Below. And to be Installed and Working At All Times of Operation of the Air Pollution Source	NO _x * NMHC** PM *** CO ****	710 100 75 150
<p>Note 1: Chimney height of 30 m AGL individually or 6 m ARL individually of the building housing the DG, whichever is higher, along with good quality Acoustic Enclosure having minimum Insertion Loss of 25 dB(A)</p> <p>Note 2: AGL : Above Ground Level : ARL : Above Roof Level</p> <p>Note 3: The noise levels shall not exceed 65 dB (A) leq. and 55 dB(A) leq. during day time and night time respectively.</p> <p>Note 4:</p> <p>* (as NO₂) (at 15% O₂) dry basis in ppmv</p> <p>** (as C) (at 15% O₂), mg/Nm³</p> <p>*** (at 15% O₂), mg/Nm³</p> <p>**** (at 15% O₂), mg/Nm³</p>				



Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement]Rules,2016

Authorization No: 339373

Valid upto: 30/06/2027

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383/388
Fax:080-25586321
email id: ho@kspcb.gov.in

(This document contains 4 pages excluding annexure)

Authorization No: 339373

PCB ID:

79383

Date: 02/09/2023

**FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION
CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER
AND OPERATORS OF DISPOSAL FACILITIES**

Ref: 1. Authorization application submitted by the industry/organization on 12/07/2023 at
Regional Office.

2. Inspection of the project site/organization by Regional Officer , Koppal on 01/08/2023

3. Proceedings of CCM dated: , held on:

1. Number of authorization 339373 and date of issue 02/09/2023

2. Reference of application No. 179834 Inward Date 12/07/2023

3. Director of Aequs Sez Private Limited is hereby granted an authorization based on the enclosed signed
inspection report for Generation, Collection, Reception, Disposal or any other use of hazardous or other wastes
or both on the premises situated at the location **Address:** sy. nos. 28 to 33 of Bannapur Village & sy. nos. 128
-136, 139 to 143, 199, 202, 203, 25 to 211 of Talabal Village, , Kukanur Taluk & Koppal District **Industrial
Area :** Banapur & Talabal , **Taluk :** Yelbarga , **District :** Koppal

Details of Authorization:

Category of Hazardous waste as per the Schedule I, II, III & IV of these rules	Description of Hazardous Waste	Quantity/Annum	Unit	Authorized Mode of Disposal or recycling or utilization or co-processing, etc.,
I	33.1~Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	15.000	MTA	As Per Annexure
I	5.1~Used Spent Oil	5.580	MTA	As Per Annexure
I	5.2~Wastes Residues Containing Oil	12.000	MTA	As Per Annexure
I	5.3~Wastes or residues containing oil	5.580	MTA	As Per Annexure



Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement]Rules,2016

Authorization No: 339373

Valid upto: 30/06/2027

Karnataka State Pollution Control Board
Parisara Bhavana,No.49, Church
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(This document contains 4 pages excluding annexure)

III	B3050~Untreated cork and wood waste:- Wood waste and scrap, whether or not agglomerated in logs, briquettes, pellets or similar forms,- Cork waste: crushed, granulated or ground cork	8.400 MTA	As Per Annexure
III	B3080~Waste parings and scrap of rubber	3.600 MTA	As Per Annexure
III	DB1010~Metal and metal-alloy wastes in metallic, non-dispersible form:- Precious metals (gold, silver, platinum but not mercury)* *, - Iron and steel scrap * *, - Nickel scrap * *, - Aluminium scrap * *, - Zinc scrap * *, - Tin scrap * *, - Tungsten scrap * *, - Molybd	9.600 MTA	As Per Annexure
III	DB3020~Paper, paperboard and paper product wastes * * The following materials, provided they are not mixed with hazardous wastes: Waste and scrap of paper or paperboard of: - unbleached paper or paperboard or of corrugated paper or paperboard,- other paper or pa	9.600 MTA	As Per Annexure

1. The authorization shall be valid for a period upto 30/06/2027

A. General Conditions of authorization:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986 and the Rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an Officer authorized by the Karnataka State Pollution Control Board.



Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement]Rules,2016

Authorization No: 339373

Valid upto: 30/06/2027

Karnataka State Pollution Control Board
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(This document contains 4 pages excluding annexure)

3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous wastes and other wastes except what is permitted through this authorization and without obtaining prior permission of the KSPCB.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
7. It is the duty of the authorized person to take prior permission of the Karnataka State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
10. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
11. An application for the renewal of an authorization shall be made '3' months before the date of expiry.
12. The Person authorized shall bring to the notice of the Board, if any increase in quantity, change in category and handling operation. In such cases, the authorized Person has to obtain fresh authorization.
13. Karnataka State Pollution Control Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions of this authorization or to suspend or cancel this authorization.
14. The Person authorized shall take steps for reduction and prevention of the waste generated or for recycling or reuse.
15. The authorized person shall maintain the records at site in Form-3 and shall submit the annual returns in Form-4 within 30th June every year for the Period April to March and manifest in Form-10.
16. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
17. The hazardous and other waste which gets generated during recycling or reuse or recovery or per-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.



Form 2 -[Rule 6(2)] Authorization
under Hazardous & Other Wastes
[Management & Transboundary
Movement]Rules,2016

Authorization No: 339373

Valid upto: 30/06/2027

Karnataka State Pollution Control Board
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18. The transportation of hazardous waste shall have to be carried out only through registered/authorized vehicles meant for transportation of hazardous waste.
19. The Person Authorized shall not store the Hazardous Waste more than ninety days as per Rule 8 (1).
20. The Person Authorized shall transport and store the raw materials in a manner so as not to cause any damage to environment, life and property. The applicant shall be solely responsible for any damages to environment.
21. Display Boards: The person authorized shall display sign boards at the storage site as "Hazardous Waste Storage Site" and "Danger" and the site shall be provided with accident preventive measures.

Additional Conditions:

1)This authorization is issued after prior approval of Chairman and Member Secretary for the period upto 30.06.2027 with conditions.2)The Occupier shall comply with all the conditions prescribed in the ANNEXURES attached herewith and submit compliance.

For and on behalf of the
Karnataka State Pollution Control Board

CHIEF/ SENIOR ENVIRONMENTAL OFFICER

COPY TO:

1. The Environmental Officer, KSPCB, Regional Office, for information and to inspect the industry during your next visit to the area.
2. Master copy (Dispatch).
3. Office copy.

Signature valid

Digitally signed by
Date: 2023.09.02 15:54:10
+05:30



ANNEXURE (PCB ID:79383)

ADDITIONAL CONDITIONS TO ACCOMPANY AUTHORISATION OF M/S. AEQUS SEZ PRIVATE LIMITED, SY. NOS. 28 TO 33 OF BANAPUR VILLAGE & SY. NOS. 128-136, 139-143, 199, 202, 203 AND 205-211 OF TALABAL VILLAGE OF KUKANUR TALUK, KOPPAL DISTRICT, ISSUED UNDER THE PROVISIONS OF THE HAZARDOUS AND OTHER WASTE (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016

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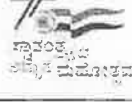
1. This authorization shall be valid for a period upto 30/06/2027.
2. Industry is authorized to generate, storage, dispose the following Hazardous and Other wastes in accordance with the method authorized in Column no. (4)

Category of Hazardous Waste as HWM Rules	Description of the Hazardous / Other Waste	Authorized Quantity In MT/A	Mode of disposal or recycling or utilization Authorized by the Board
Sch-I, 5.1	Used Oil	5.58 (6.0 KL/A)	Proposed to store in secured manner and hand over to KSPCB authorized used recyclers /re-processor.
Sch-I, 5.2	Waste & residues containing oil	12.00	Proposed to store in secured manner and handed over to KSPCB authorized Alternate Fuel and raw material processing unit /co-processing in cement kiln/ incinerators.
Sch-I, 5.3	Wastes / residues containing oil (Coolant Oil)	5.58 (6.0 KL/A)	Proposed to store in secured manner and handed over to KSPCB authorized Alternate Fuel and raw material processing unit /co-processing in cement kiln/ incinerators.
Sch-I, 33.1	Empty barrels/ containers /liners contaminated with hazardous chemicals/ wastes	15.0	Proposed to store in secured manner and hand over to KSPCB authorized recyclers.
OTHER WASTE			
Sch-III, Part B, B 3050	Untreated cork & wood waste	8.4	Proposed to store in secured manner and hand over to KSPCB authorized recyclers.

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Sch-III, Part B, B 3080	Waste parings and scrap of rubber	3.6	Proposed to store in secured manner and hand over to KSPCB authorized recyclers.
Sch-III, Part-D, B 1010	Metal and Metal alloy waste in metallic non dispersible form	9.6	Proposed to store in secured manner and hand over to KSPCB authorized recyclers.
Sch-III, Part-D, B 3020	Paper Scrap	9.6	Proposed to store in secured manner and hand over to KSPCB authorized recyclers.

3. The Occupier of the facility (Generator) shall use e-manifest system (Web Portal) for generation of manifest as per Rule 18 of the Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016, while disposing the Hazardous /Other Waste authorized facility.
4. The generator shall hand over the Hazardous Waste and Other Waste only to the authorized recycler /actual user of the waste after making appropriate entries in the Passbook issued by the Board to respective actual user as per Rule 6 (8) of H & OW(M & TM) Rules, 2016.
5. The Generator shall not generate and dispose any other Hazardous /Other Waste to any transporter/waste facilitator/TSDF/Incinerator/Co-processing without obtaining prior authorization of the Board under H & OW (M & TM) Rules, 2016.
6. The Generator shall establish environmentally sound procedure for de-contamination of containers (including liners) for each of the chemicals used by the industry and ensure that, the authorized recycler to whom the industry intends to hand over possess the required facilities required to effective decontamination.
7. The procedure for de-contamination of chemical Containers (including liners) shall comprise of i) name of the Chemical stored ii) CAS No. iii) Procedure for de-contamination (Water rinse using pressurized or gravity flow, Chemical leaching and extraction, Evaporation/vaporization, Pressurized air jets, Chemical Detoxification, Halogen stripping, Neutralization, Oxidation/ reduction, Disinfection/ Sterilization Chemical disinfection etc.,) iv) Medium for de-contamination (water, dilute acids, dilute bases, detergents, soaps, organic solvents etc.,) and v) quantity of medium required for each type of chemical container for effective de-contamination, personal protective equipment's required, quality to be achieved, etc., to ensure safe de-contamination of chemicals barrels/container and liners by authorized barrel recyclers before putting the barrels for further industrial use. A copy the decontamination procedure developed by the Generator shall be handed over to the authorized recyclers while handing over the barrels or entering MOU with a Copy to Member Secretary, Karnataka State Pollution Control Board, Bangalore.

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8. The Generator shall carryout periodic audit to ensure de-contamination as per the procedure developed mentioned in conditions no. 6 to 8 since the industry is dealing with materials/chemicals related to nuclear chemicals. The Generators shall be liable under the Extended User Responsibility for violation by the Recyclers in case of non-compliance.
9. The Generator shall dispose off the "PVC and FRP waste, RO membrane etc., to authorized Cement Unit for co-processing/AFR in accordance with Guidelines prescribed by Central Pollution Control Board for "*Disposal of Thermoset Plastic Waste including Sheet Molding Compound (SMC)/ Fiber Reinforced Plastic (FRP)*" available in CPCB web site.
10. The hierarchy of disposal in case of incinerable waste shall be in the following order namely i) Co-processing in Cement Kiln ii) handing over to Alternate Fuels and Raw materials processing unit and iii) incineration. In case of land fillable waste, the hierarchy shall be i) handing over to authorized cement kiln to use it as alternate raw materials depending the characteristic of the Waste and acceptance by cement kiln ii) handing over authorized TSDF.
11. The Occupier of the facility shall dispose off "Used lead Acid Batteries" in accordance with the provisions of the Battery Waste Management Rules, 2022 and shall comply with EPR responsibility of producer.
12. The applicant shall initiate all steps to implement/ promote mission life(Life for environment) objectives coined by Ministry of Environment, Forest and Climate Change, Government of India, an India- lead global mass movement to nudge individual and community action to protect and preserve the environment. For details visit web site at <http://missionlife-moefcc.nic.in/>.
13. **The industry shall submit point wise compliance within 30 days.**


SENIOR ENVIRONMENTAL OFFICER
Waste Management Cell -2

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Ganga Enviro Tech (OPC) Private Limited

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TEST REPORT

GPL/T/F/16

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF SOURCE EMISSION

Date: 11.06.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Chimney attached to	250 KVA DG set
	Sample collected by	Kiran G L, Field Technician
	Date of collection	03.06.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	04.06.2024
	Particulars	Source emission
	Date of commencement of analysis	04.06.2024
	Date of completion of analysis	07.06.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Jun/23
	Sample report number	GPL/2024/Jun/23
ULR number	TC555124000001467F	

General Details

Fuel used	Diesel
Ambient temperature in °C	30
Velocity in m/s	17.4
Type of the chimney	Circular
Height of the chimney in meter (AGL)	4.0
Diameter of the chimney in meter	0.1
Area of the cross section in m ²	0.0078
Flue gas temperature in °C	194

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter	IS 11255:Part 1:1985 (Reaffirmed:2019)	mg/Nm ³	47.6	N.S
2	Sulphur Dioxide (SO ₂)	IS 11255:Part 2:1985 (Reaffirmed:2019)	mg/Nm ³	16.8	N.S
3	Oxides of Nitrogen (NO ₂)	IS 11255:Part 7:2005 (Reaffirmed:2022)	mg/Nm ³	19.4	N.S
Inference			Not Applicable		

Note: 1. * As per Environment (Protection) Rules, 1986.
2. N.S - Not Specified
3. AGL - Above Ground Level


AUTHORISED SIGNATORY
Muniraju G (Q.M)

End of the report

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TEST REPORT

GPL/T/F/16

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF SOURCE EMISSION

Date: 11.06.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Chimney attached to	725 KVA DG set
	Sample collected by	Kiran G L, Field Technician
	Date of collection	03.06.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	04.06.2024
	Particulars	Source emission
	Date of commencement of analysis	04.06.2024
	Date of completion of analysis	07.06.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Jun/25
	Sample report number	GPL/2024/Jun/25
ULR number	TC555124000001469F	

General Details

Fuel used	Diesel
Ambient temperature in °C	30
Velocity in m/s	21.1
Type of the chimney	Circular
Height of the chimney in meter (AGL)	6.0
Diameter of the chimney in meter	0.2
Area of the cross section in m ²	0.0314
Flue gas temperature in °C	226

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter	IS 11255:Part 1:1985 (Reaffirmed:2019)	mg/Nm ³	58.6	N.S
2	Sulphur Dioxide (SO ₂)	IS 11255:Part 2:1985 (Reaffirmed:2019)	mg/Nm ³	20.3	N.S
3	Oxides of Nitrogen (NO ₂)	IS 11255:Part 7:2005 (Reaffirmed:2022)	mg/Nm ³	23.4	N.S
Inference			Not Applicable		

Note: 1. * As per Environment (Protection) Rules, 1986.
2. N.S - Not Specified
3. AGL - Above Ground Level


AUTHORISED SIGNATORY
Muniraju G (Q.M)

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TEST REPORT

GPL/T/F/16

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF SOURCE EMISSION

Date: 11.06.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Chimney attached to	500 KVA DG set
	Sample collected by	Raju K S, Field Technician
	Date of collection	03.06.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	04.06.2024
	Particulars	Source emission
	Date of commencement of analysis	04.06.2024
	Date of completion of analysis	07.06.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Jun/24
	Sample report number	GPL/2024/Jun/24
ULR number	TC555124000001468F	

General Details

Fuel used	Diesel
Ambient temperature in °C	30
Velocity in m/s	18.5
Type of the chimney	Circular
Height of the chimney in meter (AGL)	5.0
Diameter of the chimney in meter	0.16
Area of the cross section in m ²	0.0201
Flue gas temperature in °C	197

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter	IS 11255:Part 1:1985 (Reaffirmed:2019)	mg/Nm ³	54.6	N.S
2	Sulphur Dioxide (SO ₂)	IS 11255:Part 2:1985 (Reaffirmed:2019)	mg/Nm ³	18.9	N.S
3	Oxides of Nitrogen (NO ₂)	IS 11255:Part 7:2005 (Reaffirmed:2022)	mg/Nm ³	21.8	N.S
Inference		Not Applicable			

Note: 1. * As per Environment (Protection) Rules, 1986.

2. N.S - Not Specified

3. AGL - Above Ground Level


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Muniraju G (Q.M)

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Ref: ASEZ/2024-25/090

Date: 02nd August 2024

To,

The Environmental Officer,
Karnataka State Pollution Control Board,
Koppal- 583231

Subject: Submission of Self-monitoring reports.



Respected Sir,

Please find enclosed herewith the monitoring report of Ambient Air Quality, and Ambient Noise Level through EPA approved laboratories for the month of July 2024.

Kindly acknowledge the receipt of the same and do the needful.

Thanking you.

Yours faithfully,
For AEQUS SEZ Private Limited,


Authorized Signatory


Documents enclosed herewith.

1. Analysis Reports of July-2024.



Aequs SEZ Private Limited

Corporate Identity Number: U45202KA2007PTC043154

Registered Office: No. 55, Whitefield Main Road, Mahadevapura Post, Bengaluru - 560048, Karnataka, India

Aequs Special Economic Zone, Sy No 30, Bhanapur and Talbal Villages, Kukanur Taluka, Koppal District - 583238, Karnataka, India

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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 10.07.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near security building area
	Sample collected by	Kiran G L, Field Technician
	Date of collection	01.07.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	02.07.2024
	Particulars	Ambient Air
	Date of commencement of analysis	02.07.2024
	Date of completion of analysis	05.07.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Jul/12
Sample report number	GPL/2024/Jul/12	
ULR number	TC555124000001746F	

Environmental conditions	
Temperature in °C	28
Humidity in %	71
Climate	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	49.3	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	13.8	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	15.4	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


AUTHORISED SIGNATORY
Harish C S (T.M)

End of the report

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TEST REPORT

GPL/T/F/17

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT NOISE

Date: 09.07.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Monitoring done by	Raju K S, Field Technician
	Sampling procedure	IS 9989:1981 (Reaffirmed:2020)
	Date of monitoring	01.07.2024
	Date of sample receipt	02.07.2024
	Particulars	Ambient noise
	Environmental conditions	Normal
	Number of pages	1 of 1
	Sample number	GPL/2024/Jul/16
	Sample report number	GPL/2024/Jul/16
ULR number	TC555124000001750F	

Day Time Ambient Noise

Sl. No.	Sample locations	Duration	Test method	Noise level in dB(A) Leq	Standard*
1	Near security building area	02.15 PM-02.20 PM	IS 9989:1981 (Reaffirmed:2020)	66.8	75 dB(A) Leq (6 AM-10 PM)
2	Near incubation area	02.25 PM-02.30 PM		65.2	
3	Near STP plant area	02.35 PM-02.40 PM		60.6	
4	Near bunk yard area	02.45 PM-02.50 PM		66.4	
Inference		Conforms to prescribed standard			

Note: 1. * Limits as per The Noise Pollution (Regulation and Control) Rules, 2000.


AUTHORISED SIGNATORY
Harish C S (T.M)

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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 10.07.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near incubation area
	Sample collected by	Kiran G L, Field Technician
	Date of collection	01.07.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	02.07.2024
	Particulars	Ambient Air
	Date of commencement of analysis	02.07.2024
	Date of completion of analysis	05.07.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Jul/13
	Sample report number	GPL/2024/Jul/13
ULR number	TC555124000001747F	

Environmental conditions	
Temperature in °C	28
Humidity in %	71
Climate	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	39.7	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	10.6	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	13.8	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


AUTHORISED SIGNATORY
Harish C S (T.M)

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TEST REPORT

GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 10.07.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Near STP plant area
	Sample collected by	Raju K S, Field Technician
	Date of collection	01.07.2024
	Sampling procedure	As per respective test method
	Date of sample receipt	02.07.2024
	Particulars	Ambient Air
	Date of commencement of analysis	02.07.2024
	Date of completion of analysis	05.07.2024
	Number of pages	1 of 1
	Sample number	GPL/2024/Jul/15
Sample report number	GPL/2024/Jul/15	
ULR number	TC555124000001749F	

Environmental conditions	
Temperature in °C	28
Humidity in %	71
Climate	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	52.6	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	17.8	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	19.9	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


AUTHORISED SIGNATORY
Harish C S (T.M)

End of the report

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GPL/T/F/15

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF AMBIENT AIR

Date: 10.07.2024

Address of the customer	Report Details	
	M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location
Sample collected by		Raju K S, Field Technician
Date of collection		01.07.2024
Sampling procedure		As per respective test method
Date of sample receipt		02.07.2024
Particulars		Ambient Air
Date of commencement of analysis		02.07.2024
Date of completion of analysis		05.07.2024
Number of pages		1 of 1
Sample number		GPL/2024/Jul/14
Sample report number	GPL/2024/Jul/14	
ULR number	TC555124000001748F	

Environmental conditions	
Temperature in °C	28
Humidity in %	72
Climate	Cloudy
Wind Flow	Windy

Sl. No.	Parameter	Test Method	Unit	Result	Standard*
1	Particulate Matter (size less than 10µm) or (PM ₁₀)	IS 5182:Part 23:2006 (Reaffirmed:2022)	µg/m ³	46.3	100
2	Sulphur Dioxide (SO ₂)	IS 5182:Part 2:2001 (Reaffirmed:2022)	µg/m ³	10.5	80
3	Nitrogen Dioxide (NO ₂)	IS 5182:Part 6:2006 (Reaffirmed:2022)	µg/m ³	12.7	80
Inference		Conforms to prescribed standards			

Note: 1. * As per National Ambient Air Quality Standards.


AUTHORISED SIGNATORY
Harish C S (T.M)

End of the report

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ANNEXURE 8

ADDITIONAL DETAILS



Ganga Enviro Tech (OPC) Private Limited

ENGINEERING SOLUTION FOR POLLUTION

CPCB Recognized Environmental Laboratory Under E (P) Act 1986
ISO 45001 : 2018 (OHSAS) CERTIFIED LABORATORY

Address: # 7676, 2nd Floor, "G.G. Complex", 4th Cross, Subhashnagar, Nelamangala, Bengaluru Rural Dist.: 562 123.
+91 9535272266, E-mail : gangaenvirotech@gmail.com / gangaenvirotechlab@gmail.com. web : www.gangaenvirotech.in

TEST REPORT

GET/T/F/013

ANALYSIS REPORT OF WATER

Date: 16.04.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Collected from Borewell water No. 01
	Sample collected by	Kiran G L
	Sample type	Grab sample
	Date of collection	01.04.2024
	Sampling procedure	IS 17614:Part 1:2021
	Date of sample receipt	02.04.2024
	Particulars	Borewell water
	Date of analysis commencement	03.04.2024
	Date of analysis completed	08.04.2024
	Number of pages	1 of 2
Sample number	GET/2024/Apr/83	

Sl. No.	Parameter	Test Method	Unit	Result	Standards as per IS:10500:2012 (Reaffirmed:2018)	
					Acceptable Limit	Permissible Limit
1	Aluminium as Al	APHA 24 th Edition 3120 B:2023	mg/L	<0.03	0.03	0.2
2	Anionic Detergents as MBAS	IS 13428 Annex-K:2005 (Reaffirmed:2018)	mg/L	<0.1	0.2	1.0
3	Barium as Ba	APHA 24 th Edition 3120 B:2023	mg/L	<0.03	0.7	No relaxation
4	Copper as Cu	APHA 24 th Edition 3120 B:2023	mg/L	<0.03	0.05	1.5
5	Manganese as Mn	APHA 24 th Edition 3120 B:2023	mg/L	<0.03	0.1	0.3
6	Phenolic Compounds as C ₆ H ₅ OH	Cl 6 of IS 3025 (Part 43)/Sec1:2022	mg/L	<0.001	0.001	0.002
7	Selenium as Se	APHA 24 th Edition 3120 B:2023	mg/L	<0.005	0.01	No relaxation
8	Zinc as Zn	APHA 24 th Edition 3120 B:2023	mg/L	<0.02	5	15

Continued....,

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TEST REPORT

GET/T/F/013

Number of pages	2 of 2
Sample number	GET/2024/Apr/83

Sl. No.	Parameter	Test Method	Unit	Result	Standards as per IS:10500:2012 (Reaffirmed:2018)	
					Acceptable Limit	Permissible Limit
9	Silver as Ag	APHA 24 th Edition 3120 B:2023	mg/L	<0.03	0.1	No relaxation
10	Cadmium as Cd	APHA 24 th Edition 3120 B:2023	mg/L	<0.0005	0.003	No relaxation
11	Cyanide as CN	Cl 4 of IS 3025 (Part 27)/Sec1:2021	mg/L	<0.01	0.05	No relaxation
12	Lead as Pb	APHA 24 th Edition 3120 B:2023	mg/L	<0.005	0.01	No relaxation
13	Molybdenum as Mo	APHA 24 th Edition 3120 B:2023	mg/L	<0.03	0.07	No relaxation
14	Nickel as Ni	APHA 24 th Edition 3120 B:2023	mg/L	<0.02	0.02	No relaxation
15	Total Arsenic as As	APHA 24 th Edition 3120 B:2023	mg/L	<0.005	0.01	No relaxation
16	Total Chromium as Cr	APHA 24 th Edition 3120 B:2023	mg/L	<0.03	0.05	No relaxation
Inference			Conforms to prescribed standards			

Note: Above mentioned parameters has been outsourced.


AUTHORISED SIGNATORY
Harish C S (T.M)

End of the report

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TEST REPORT

GET/T/F/013

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF WATER

Date: 16.04.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sampling location	Collected from Borewell water No. 01
	Sample collected by	Kiran G L
	Sample type	Grab sample
	Date of collection	01.04.2024
	Sampling procedure	IS 17614:Part 1:2021
	Date of sample receipt	02.04.2024
	Particulars	Borewell water
	Date of analysis commencement	02.04.2024
	Date of analysis completed	05.04.2024
	Number of pages	1 of 2
	Sample number	GET/2024/Apr/83
	ULR report number	TC555124000000968F

Sl. No.	Parameter	Test Method	Unit	Result	Standards as per IS:10500:2012 (Reaffirmed:2018)	
					Acceptable Limit	Permissible Limit
1	Colour	IS 3025:Part 4:2021	Hazen	<5.0	5	15
2	Odour	IS 3025:Part 5:2018	-	Agreeable	Agreeable	Agreeable
3	pH value @ 25 °C	IS 3025:Part 11:2022	-	7.6	6.5-8.5	No relaxation
4	Taste	IS 3025:Part 8:2023	-	Agreeable	Agreeable	Agreeable
5	Turbidity	IS 3025:Part 10:2023	NTU	0.05	1	5
6	Filterable Residue (Total Dissolved Solids)	IS 3025:Part 16:2023	mg/L	270.4	500	2000
7	Ammonia as total ammonia-N	IS 3025:Part 34 :1988 (Reaffirmed:2019)	mg/L	<0.02	0.5	No relaxation
8	Boron as B	IS 3025:Part 57:2021	mg/L	0.05	0.5	1.0
9	Calcium as Ca	IS 3025:Part 40 :1991 (Reaffirmed:2019)	mg/L	58.5	75	200
10	Chloramines as Cl ₂	IS 3025:Part 26:2021	mg/L	<0.07	4.0	No relaxation
11	Chloride as Cl	IS 3025:Part 32:1988 (Reaffirmed:2019)	mg/L	23.4	250	1000
12	Fluoride as F	IS 3025:Part 60:2008 (Reaffirmed:2019)	mg/L	<0.02	1.0	1.5

Continued....

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TEST REPORT

GET/T/F/013

Number of pages	2 of 2
Sample number	GET/2024/Apr/83
ULR report number	TC555124000000968F

Sl. No.	Parameter	Test Method	Unit	Result	Standards as per IS:10500:2012 (Reaffirmed:2018)	
					Acceptable Limit	Permissible Limit
13	Chlorine Residual	IS 3025:Part 26:2021	mg/L	<0.07	0.2	1
14	Iron as Fe	IS 3025:Part 53:2003 (Reaffirmed:2019)	mg/L	<0.04	0.3	No relaxation
15	Magnesium as Mg	IS 3025:Part 46:2023	mg/L	11.1	30	100
16	Mineral Oil	IS 3025:Part 39:2021	mg/L	<0.03	0.5	No relaxation
17	Nitrate as NO ₃	IS 3025:Part 34:1988 (Reaffirmed:2019)	mg/L	0.30	45	No relaxation
18	Sulphate as SO ₄	IS 3025:Part 24: Sec 1:2022	mg/L	<0.1	200	400
19	Sulphide as H ₂ S	IS 3025:Part 29:2022	mg/L	<0.02	0.05	No relaxation
20	Total Alkalinity as CaCO ₃	IS 3025:Part 23:2023	mg/L	25	200	600
21	Total Hardness as CaCO ₃	IS 3025:Part 21:2009 (Reaffirmed:2019)	mg/L	192	200	600

Microbiology Test

Sl. No.	Parameter	Test Method	Unit	Result	Standards as per IS:10500:2012 (Reaffirmed-2018) (Clause 4.1.1)
1	Escherichia coli	IS 15185:2016 (Reaffirmed:2021)	MPN/100 ml	Absent	Shall not be detectable in any 100 ml sample
2	Total coliform bacteria	IS 15185:2016 (Reaffirmed:2021)	MPN/100 ml	Absent	Shall not be detectable in any 100 ml sample
Inference			Conforms to prescribed standards		


VERIFIED BY
Harish C S (T.M)


AUTHORISED SIGNATORY
Muniraju G (Q.M)

End of the report

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TEST REPORT

GPL/T/F/13

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF WATER

Date: 20.05.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sample collected by	Raju K S, Field Technician
	Sampling procedure	IS 17614:Part 1:2021
	Date of collection	08.05.2024
	Date of sample receipt	09.05.2024
	Particulars of sample	Borewell water collected from borewell water No. 05
	Date of commencement of analysis	09.05.2024
	Date of completion of analysis	16.05.2024
	Number of pages	1 of 2
	Sample number	GPL/2024/May/62
	Sample report number	GPL/2024/May/62
ULR number	TC555124000001228F	

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
1	Colour	IS 3025:Part 4:2021	Hazen	<5.0	5	15
2	Odour	IS 3025:Part 5:2018	-	Agreeable	Agreeable	Agreeable
3	pH	IS 3025:Part 11:2022	-	7.4	6.5-8.5	No relaxation
4	Taste	IS 3025:Part 8:2023	-	Agreeable	Agreeable	Agreeable
5	Turbidity	IS 3025:Part 10:2023	NTU	0.05	1	5
6	Filterable Residue (Total Dissolved Solids)	IS 3025:Part 16:2023	mg/l	338	500	2000
7	Ammonia as total ammonia-N	IS 3025:Part 34 :1988 (Reaffirmed:2019)	mg/l	<0.02	0.5	No relaxation
8	Boron as B	IS 3025:Part 57:2021	mg/l	0.06	0.5	1.0
9	Calcium as Ca	IS 3025:Part 40 :1991 (Reaffirmed:2019)	mg/l	72.1	75	200
10	Chloramines as Cl ₂	IS 3025:Part 26:2021	mg/l	<0.07	4.0	No relaxation
11	Chloride as Cl	IS 3025:Part 32:1988 (Reaffirmed:2019)	mg/l	26.9	250	1000
12	Fluoride as F	IS 3025:Part 60:2008 (Reaffirmed:2019)	mg/l	<0.05	1.0	1.5

Continued....,

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TEST REPORT

GPL/T/F/13

Number of pages	2 of 2
Sample number	GPL/2024/May/62
Sample report number	GPL/2024/May/62
ULR number	TC555124000001228F

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
13	Free Residual Chlorine	IS 3025:Part 26:2021	mg/l	<0.07	0.2	1
14	Iron as Fe	IS 3025:Part 53:2024	mg/l	<0.04	0.3	No relaxation
15	Magnesium as Mg	IS 3025:Part 46:2023	mg/l	4.3	30	100
16	Mineral Oil	IS 3025:Part 39:2021	mg/l	<0.3	0.5	No relaxation
17	Nitrate as NO ₃	IS 3025:Part 34:1988 (Reaffirmed:2019)	mg/l	<0.02	45	No relaxation
18	Sulphate as SO ₄	IS 3025:Part 24: Sec 1:2022	mg/l	<0.1	200	400
19	Sulphide as H ₂ S	IS 3025:Part 29:2022	mg/l	<0.02	0.05	No relaxation
20	Total Alkalinity as CaCO ₃	IS 3025:Part 23:2023	mg/l	30.0	200	600
21	Total Hardness as CaCO ₃	IS 3025:Part 21:2009 (Reaffirmed:2019)	mg/l	198	200	600

Microbiology Test

Sl. No.	Parameter	Test Method	Unit	Result	Standard* (Clause 4.1.1)
1	Escherichia coli	IS 15185:2016 (Reaffirmed:2021)	MPN/100 ml	Absent	Shall not be detectable in any 100 ml sample
2	Total coliform bacteria	IS 15185:2016 (Reaffirmed:2021)	MPN/100 ml	Absent	Shall not be detectable in any 100 ml sample
Inference		Conforms to prescribed standards			

Note: 1. * As per IS 10500:2012 (Reaffirmed:2018)


VERIFIED BY
Harish C S (T.M)


AUTHORISED SIGNATORY
Muniraju G (Q.M)

End of the report

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TEST REPORT

GPL/T/F/13A

ANALYSIS REPORT OF WATER

Date: 21.05.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sample collected by	Raju K S, Field Technician
	Sampling procedure	IS 17614:Part 1:2021
	Date of collection	08.05.2024
	Date of sample receipt	09.05.2024
	Particulars of sample	Borewell water collected from borewell water No. 05
	Date of commencement of analysis	10.05.2024
	Date of completion of analysis	18.05.2024
	Number of pages	1 of 2
	Sample number	GPL/2024/May/62
	Sample report number	GPL/2024/May/62

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
1	Aluminium as Al	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.03	0.2
2	Anionic Detergents as MBAS	IS 13428 Annex-K:2005 (Reaffirmed:2018)	mg/l	<0.1	0.2	1.0
3	Barium as Ba	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.7	No relaxation
4	Copper as Cu	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.05	1.5
5	Manganese as Mn	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.1	0.3
6	Phenolic Compounds as C ₆ H ₅ OH	Cl 6 of IS 3025 (Part 43)/Sec1:2022	mg/l	<0.001	0.001	0.002
7	Selenium as Se	APHA 24 th Edition 3120 B:2023	mg/l	<0.005	0.01	No relaxation
8	Zinc as Zn	APHA 24 th Edition 3120 B:2023	mg/l	<0.02	5	15

Continued....,

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TEST REPORT

GPL/T/F/13A

Number of pages	2 of 2
Sample number	GPL/2024/May/62
Sample report number	GPL/2024/May/62

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
9	Silver as Ag	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.1	No relaxation
10	Cadmium as Cd	APHA 24 th Edition 3120 B:2023	mg/l	<0.0005	0.003	No relaxation
11	Cyanide as CN	Cl 4 of IS 3025 (Part 27)/Sec1)-2021	mg/l	<0.01	0.05	No relaxation
12	Lead as Pb	APHA 24 th Edition 3120 B:2023	mg/l	<0.005	0.01	No relaxation
13	Mercury as Hg	APHA 24 th Edition 3120 B:2023	mg/l	<0.001	0.001	No relaxation
14	Molybdenum as Mo	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.07	No relaxation
15	Nickel as Ni	APHA 24 th Edition 3120 B:2023	mg/l	<0.02	0.02	No relaxation
16	Total Arsenic as As	APHA 24 th Edition 3120 B:2023	mg/l	<0.005	0.01	No relaxation
17	Total Chromium as Cr	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.05	No relaxation
Inference			Conforms to prescribed standards			

Note: 1. * As per IS 10500:2012 (Reaffirmed:2018)
2. Above mentioned parameters has been outsourced


AUTHORISED SIGNATORY
Harish C S (T.M)

End of the report

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TEST REPORT

GPL/T/F/13

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF WATER

Date: 12.06.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sample collected by	Raju K S, Field Technician
	Sampling procedure	IS 17614:Part 1:2021
	Date of collection	03.06.2024
	Date of sample receipt	04.06.2024
	Particulars of sample	Borewell water collected from borewell water No. 10
	Date of commencement of analysis	04.06.2024
	Date of completion of analysis	10.06.2024
	Number of pages	1 of 2
	Sample number	GPL/2024/Jun/17
	Sample report number	GPL/2024/Jun/17
ULR number	TC555124000001461F	

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
1	Colour	IS 3025:Part 4:2021	Hazen	<5.0	5	15
2	Odour	IS 3025:Part 5:2018	-	Agreeable	Agreeable	Agreeable
3	pH	IS 3025:Part 11:2022	-	8.0	6.5-8.5	No relaxation
4	Taste	IS 3025:Part 8:2023	-	Agreeable	Agreeable	Agreeable
5	Turbidity	IS 3025:Part 10:2023	NTU	0.05	1	5
6	Filterable Residue (Total Dissolved Solids)	IS 3025:Part 16:2023	mg/l	94.0	500	2000
7	Ammonia as total ammonia-N	IS 3025:Part 34 :1988 (Reaffirmed:2019)	mg/l	<0.02	0.5	No relaxation
8	Boron as B	IS 3025:Part 57:2021	mg/l	0.08	0.5	1.0
9	Calcium as Ca	IS 3025:Part 40 :1991 (Reaffirmed:2019)	mg/l	24.0	75	200
10	Chloramines as Cl ₂	IS 3025:Part 26:2021	mg/l	<0.07	4.0	No relaxation
11	Chloride as Cl	IS 3025:Part 32:1988 (Reaffirmed:2019)	mg/l	29.4	250	1000
12	Fluoride as F	IS 3025:Part 60:2008 (Reaffirmed:2019)	mg/l	<0.05	1.0	1.5



Continued....,

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TEST REPORT

GPL/T/F/13

Number of pages	2 of 2
Sample number	GPL/2024/Jun/17
Sample report number	GPL/2024/Jun/17
ULR number	TC555124000001461F

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
13	Free Residual Chlorine	IS 3025:Part 26:2021	mg/l	<0.07	0.2	1
14	Iron as Fe	IS 3025:Part 53:2024	mg/l	<0.04	0.3	No relaxation
15	Magnesium as Mg	IS 3025:Part 46:2023	mg/l	<0.4	30	100
16	Mineral Oil	IS 3025:Part 39:2021	mg/l	<0.3	0.5	No relaxation
17	Nitrate as NO ₃	IS 3025:Part 34:1988 (Reaffirmed:2019)	mg/l	<0.02	45	No relaxation
18	Sulphate as SO ₄	IS 3025:Part 24: Sec 1:2022	mg/l	<0.1	200	400
19	Sulphide as H ₂ S	IS 3025:Part 29:2022	mg/l	<0.02	0.05	No relaxation
20	Total Alkalinity as CaCO ₃	IS 3025:Part 23:2023	mg/l	40.0	200	600
21	Total Hardness as CaCO ₃	IS 3025:Part 21:2009 (Reaffirmed:2019)	mg/l	<2.0	200	600

Microbiology Test

Sl. No.	Parameter	Test Method	Unit	Result	Standard* (Clause 4.1.1)
1	Escherichia coli	IS 15185:2016 (Reaffirmed:2021)	MPN/100 ml	Absent	Shall not be detectable in any 100 ml sample
2	Total coliform bacteria	IS 15185:2016 (Reaffirmed:2021)	MPN/100 ml	Absent	Shall not be detectable in any 100 ml sample
Inference			Conforms to prescribed standards		

Note: 1. * As per IS 10500:2012 (Reaffirmed:2018)


AUTHORISED SIGNATORY
Muniraju G (Q.M)

End of the report

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TEST REPORT

GPL/T/F/13A

ANALYSIS REPORT OF WATER

Date: 12.06.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sample collected by	Raju K S, Field Technician
	Sampling procedure	IS 17614:Part 1:2021
	Date of collection	03.06.2024
	Date of sample receipt	04.06.2024
	Particulars of sample	Borewell water collected from borewell water No. 10
	Date of commencement of analysis	05.06.2024
	Date of completion of analysis	11.06.2024
	Number of pages	1 of 2
	Sample number	GPL/2024/Jun/17
Sample report number	GPL/2024/Jun/17	

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
1	Aluminium as Al	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.03	0.2
2	Anionic Detergents as MBAS	IS 13428 Annex-K:2005 (Reaffirmed:2018)	mg/l	<0.1	0.2	1.0
3	Barium as Ba	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.7	No relaxation
4	Copper as Cu	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.05	1.5
5	Manganese as Mn	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.1	0.3
6	Phenolic Compounds as C ₆ H ₅ OH	Cl 6 of IS 3025 (Part 43)/Sec1:2022	mg/l	<0.001	0.001	0.002
7	Selenium as Se	APHA 24 th Edition 3120 B:2023	mg/l	<0.005	0.01	No relaxation
8	Zinc as Zn	APHA 24 th Edition 3120 B:2023	mg/l	<0.02	5	15

Continued....,

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TEST REPORT

GPL/T/F/13A

Number of pages	2 of 2
Sample number	GPL/2024/June/17
Sample report number	GPL/2024/June/17

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
9	Silver as Ag	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.1	No relaxation
10	Cadmium as Cd	APHA 24 th Edition 3120 B:2023	mg/l	<0.0005	0.003	No relaxation
11	Cyanide as CN	Cl 4 of IS 3025 (Part 27)/Sec1)-2021	mg/l	<0.01	0.05	No relaxation
12	Lead as Pb	APHA 24 th Edition 3120 B:2023	mg/l	<0.005	0.01	No relaxation
13	Mercury as Hg	APHA 24 th Edition 3120 B:2023	mg/l	<0.001	0.001	No relaxation
14	Molybdenum as Mo	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.07	No relaxation
15	Nickel as Ni	APHA 24 th Edition 3120 B:2023	mg/l	<0.02	0.02	No relaxation
16	Total Arsenic as As	APHA 24 th Edition 3120 B:2023	mg/l	<0.005	0.01	No relaxation
17	Total Chromium as Cr	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.05	No relaxation
Inference				Conforms to prescribed standards		

Note: 1. * As per IS 10500:2012 (Reaffirmed:2018)
2. Above mentioned parameters has been outsourced.


AUTHORISED SIGNATORY
Muniraju G (Q.M)

End of the report

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TEST REPORT

GPL/T/F/13

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF WATER

Date: 11.07.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sample collected by	Raju K S, Field Technician
	Sampling procedure	IS 17614:Part 1:2021
	Date of collection	01.07.2024
	Date of sample receipt	02.07.2024
	Particulars of sample	Borewell water collected from tap near borewell No. 01
	Date of commencement of analysis	02.07.2024
	Date of completion of analysis	04.07.2024
	Number of pages	1 of 2
	Sample number	GPL/2024/Jul/11
	Sample report number	GPL/2024/Jul/11
ULR number	TC555124000001745F	

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
1	Colour	IS 3025:Part 4:2021	Hazen	<5.0	5	15
2	Odour	IS 3025:Part 5:2018	-	Agreeable	Agreeable	Agreeable
3	pH	IS 3025:Part 11:2022	-	7.9	6.5-8.5	No relaxation
4	Taste	IS 3025:Part 8:2023	-	Agreeable	Agreeable	Agreeable
5	Turbidity	IS 3025:Part 10:2023	NTU	0.05	1	5
6	Filterable Residue (Total Dissolved Solids)	IS 3025:Part 16:2023	mg/l	73.6	500	2000
7	Ammonia as total ammonia-N	IS 3025:Part 34 :1988 (Reaffirmed:2019)	mg/l	<0.02	0.5	No relaxation
8	Boron as B	IS 3025:Part 57:2021	mg/l	0.03	0.5	1.0
9	Calcium as Ca	IS 3025:Part 40 :1991 (Reaffirmed:2019)	mg/l	22.4	75	200
10	Chloramines as Cl ₂	IS 3025:Part 26:2021	mg/l	<0.07	4.0	No relaxation
11	Chloride as Cl	IS 3025:Part 32:1988 (Reaffirmed:2019)	mg/l	29.9	250	1000

Continued....,

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TEST REPORT

GPL/T/F/13

Number of pages	2 of 2
Sample number	GPL/2024/Jul/11
Sample report number	GPL/2024/Jul/11
ULR number	TC555124000001745F

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
12	Fluoride as F	IS 3025:Part 60:2008 (Reaffirmed:2019)	mg/l	<0.05	1.0	1.5
13	Free Residual Chlorine	IS 3025:Part 26:2021	mg/l	<0.07	0.2	1
14	Iron as Fe	IS 3025:Part 53:2024	mg/l	<0.04	0.3	No relaxation
15	Magnesium as Mg	IS 3025:Part 46:2023	mg/l	<0.4	30	100
16	Mineral Oil	IS 3025:Part 39:2021	mg/l	<0.3	0.5	No relaxation
17	Nitrate as NO ₃	IS 3025:Part 34:1988 (Reaffirmed:2019)	mg/l	<0.02	45	No relaxation
18	Sulphate as SO ₄	IS 3025:Part 24: Sec 1:2022	mg/l	<0.1	200	400
19	Sulphide as H ₂ S	IS 3025:Part 29:2022	mg/l	<0.02	0.05	No relaxation
20	Total Alkalinity as CaCO ₃	IS 3025:Part 23:2023	mg/l	35.0	200	600
21	Total Hardness as CaCO ₃	IS 3025:Part 21:2009 (Reaffirmed:2019)	mg/l	<2.0	200	600

Microbiology Test

Sl. No.	Parameter	Test Method	Unit	Result	Standard* (Clause 4.1.1)
1	Escherichia coli	IS 15185:2016 (Reaffirmed:2021)	MPN/ 100 ml	Absent	Shall not be detectable in any 100 ml sample
2	Total coliform bacteria	IS 15185:2016 (Reaffirmed:2021)	MPN/ 100 ml	Absent	Shall not be detectable in any 100 ml sample
Inference			Conforms to prescribed standards		

Note: 1. * As per IS 10500:2012 (Reaffirmed:2018)


VERIFIED BY
Harish C S (T.M)


AUTHORISED SIGNATORY
Muniraju G (Q.M)

End of the report

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TEST REPORT

GPL/T/F/13A

ANALYSIS REPORT OF WATER

Date: 11.07.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sample collected by	Raju K S, Field Technician
	Sampling procedure	IS 17614:Part 1:2021
	Date of collection	01.07.2024
	Date of sample receipt	02.07.2024
	Particulars of sample	Borewell water collected from tap near borewell No. 01
	Date of commencement of analysis	03.07.2024
	Date of completion of analysis	08.07.2024
	Number of pages	1 of 2
	Sample number	GPL/2024/Jul/11
Sample report number	GPL/2024/Jul/11	

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
1	Aluminium as Al	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.03	0.2
2	Anionic Detergents as MBAS	IS 13428 Annex-K:2005 (Reaffirmed:2018)	mg/l	<0.1	0.2	1.0
3	Barium as Ba	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.7	No relaxation
4	Copper as Cu	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.05	1.5
5	Manganese as Mn	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.1	0.3
6	Phenolic Compounds as C ₆ H ₅ OH	Cl 6 of IS 3025 (Part 43)/Sec1:2022	mg/l	<0.001	0.001	0.002
7	Selenium as Se	APHA 24 th Edition 3120 B:2023	mg/l	<0.005	0.01	No relaxation
8	Zinc as Zn	APHA 24 th Edition 3120 B:2023	mg/l	<0.02	5	15

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TEST REPORT

GPL/T/F/13A

Number of pages	2 of 2
Sample number	GPL/2024/Jul/11
Sample report number	GPL/2024/Jul/11

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
9	Silver as Ag	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.1	No relaxation
10	Cadmium as Cd	APHA 24 th Edition 3120 B:2023	mg/l	<0.0005	0.003	No relaxation
11	Cyanide as CN	Cl 4 of IS 3025 (Part 27)/Sec1)-2021	mg/l	<0.01	0.05	No relaxation
12	Lead as Pb	APHA 24 th Edition 3120 B:2023	mg/l	<0.005	0.01	No relaxation
13	Mercury as Hg	APHA 24 th Edition 3120 B:2023	mg/l	<0.001	0.001	No relaxation
14	Molybdenum as Mo	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.07	No relaxation
15	Nickel as Ni	APHA 24 th Edition 3120 B:2023	mg/l	<0.02	0.02	No relaxation
16	Total Arsenic as As	APHA 24 th Edition 3120 B:2023	mg/l	<0.005	0.01	No relaxation
17	Total Chromium as Cr	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.05	No relaxation
Inference			Conforms to prescribed standards			

Note: 1. * As per IS 10500:2012 (Reaffirmed:2018)
2. Above mentioned parameters has been outsourced.


AUTHORISED SIGNATORY
Harish C S (T.M)

End of the report

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TEST REPORT

GPL/T/F/13

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF WATER

Date: 21.08.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sample collected by	Kiran G L, Field Technician
	Sampling procedure	IS 17614:Part 1:2021
	Date of collection	06.08.2024
	Date of sample receipt	07.08.2024
	Particular of sample	Borewell water collected from borewell water No - 05
	Date of commencement of analysis	07.08.2024
	Date of completion of analysis	12.08.2024
	Number of pages	1 of 2
	Sample number	GPL/2024/Aug/91
	Sample report number	GPL/2024/Aug/91
ULR number	TC555124000001923F	

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
1	Colour	IS 3025:Part 4:2021	Hazen	<5.0	5	15
2	Odour	IS 3025:Part 5:2018	-	Agreeable	Agreeable	Agreeable
3	pH	IS 3025:Part 11:2022	-	8.0	6.5-8.5	No relaxation
4	Taste	IS 3025:Part 8:2023	-	Agreeable	Agreeable	Agreeable
5	Turbidity	IS 3025:Part 10:2023	NTU	0.05	1	5
6	Filterable Residue (Total Dissolved Solids)	IS 3025:Part 16:2023	mg/l	64.6	500	2000
7	Ammonia as total ammonia-N	IS 3025:Part 34 :1988 (Reaffirmed:2019)	mg/l	<0.02	0.5	No relaxation
8	Boron as B	IS 3025:Part 57:2021	mg/l	0.05	0.5	1.0
9	Calcium as Ca	IS 3025:Part 40 :1991 (Reaffirmed:2019)	mg/l	7.2	75	200
10	Chloramines as Cl ₂	IS 3025:Part 26:2021	mg/l	<0.07	4.0	No relaxation
11	Chloride as Cl	IS 3025:Part 32:1988 (Reaffirmed:2019)	mg/l	27.4	250	1000

Continued....,

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TEST REPORT

GPL/T/F/13

Number of pages	2 of 2
Sample number	GPL/2024/Aug/91
Sample report number	GPL/2024/Aug/91
ULR number	TC555124000001923F

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
12	Fluoride as F	IS 3025:Part 60:2008 (Reaffirmed:2019)	mg/l	<0.05	1.0	1.5
13	Free Residual Chlorine	IS 3025:Part 26:2021	mg/l	<0.07	0.2	1
14	Iron as Fe	IS 3025:Part 53:2024	mg/l	<0.04	0.3	No relaxation
15	Magnesium as Mg	IS 3025:Part 46:2023	mg/l	<0.4	30	100
16	Mineral Oil	IS 3025:Part 39:2021	mg/l	<0.3	0.5	No relaxation
17	Nitrate as NO ₃	IS 3025:Part 34:1988 (Reaffirmed:2019)	mg/l	<0.02	45	No relaxation
18	Sulphate as SO ₄	IS 3025:Part 24: Sec 1:2022	mg/l	<0.1	200	400
19	Sulphide as H ₂ S	IS 3025:Part 29:2022	mg/l	<0.02	0.05	No relaxation
20	Total Alkalinity as CaCO ₃	IS 3025:Part 23:2023	mg/l	30.0	200	600
21	Total Hardness as CaCO ₃	IS 3025:Part 21:2009 (Reaffirmed:2019)	mg/l	<2.0	200	600

Microbiology Test

Sl. No.	Parameter	Test Method	Unit	Result	Standard* (Clause 4.1.1)
1	Escherichia coli	IS 15185:2016 (Reaffirmed:2021)	MPN/100 ml	Absent	Shall not be detectable in any 100 ml sample
2	Total coliform bacteria	IS 15185:2016 (Reaffirmed:2021)	MPN/100 ml	Absent	Shall not be detectable in any 100 ml sample
Inference			Conforms to prescribed standards		

Note: 1. * As per IS 10500:2012 (Reaffirmed:2018)


AUTHORISED SIGNATORY
Muniraju G (Q.M)

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TEST REPORT

GPL/T/F/13A

ANALYSIS REPORT OF WATER

Date: 21.08.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sample collected by	Kiran G L, Field Technician
	Sampling procedure	IS 17614:Part 1:2021
	Date of collection	06.08.2024
	Date of sample receipt	07.08.2024
	Particular of sample	Borewell water collected from borewell water No - 05
	Date of commencement of analysis	08.08.2024
	Date of completion of analysis	12.08.2024
	Number of pages	1 of 2
	Sample number	GPL/2024/Aug/91
	Sample report number	GPL/2024/Aug/91

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
1	Aluminium as Al	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.03	0.2
2	Anionic Detergents as MBAS	IS 13428 Annex-K:2005 (Reaffirmed:2018)	mg/l	<0.1	0.2	1.0
3	Barium as Ba	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.7	No relaxation
4	Copper as Cu	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.05	1.5
5	Manganese as Mn	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.1	0.3
6	Phenolic Compounds as C ₆ H ₅ OH	Cl 6 of IS 3025 (Part 43)/Sec1:2022	mg/l	<0.001	0.001	0.002
7	Selenium as Se	IS 3025:Part 65:2022	mg/l	<0.005	0.01	No relaxation
8	Silver as Ag	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.1	No relaxation

Continued.....

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TEST REPORT

GPL/T/F/13A

Number of pages	2 of 2
Sample number	GPL/2024/Aug/91
Sample report number	GPL/2024/Aug/91

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
9	Cadmium as Cd	IS 3025:Part 65:2022	mg/l	<0.0005	0.003	No relaxation
10	Cyanide as CN	Cl 4 of IS 3025 (Part 27)/Sec1):2021	mg/l	<0.01	0.05	No relaxation
11	Lead as Pb	IS 3025:Part 65:2022	mg/l	<0.005	0.01	No relaxation
12	Mercury as Hg	APHA 24 th Edition 3120 B:2023	mg/l	<0.001	0.001	No relaxation
13	Molybdenum as Mo	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.07	No relaxation
14	Nickel as Ni	APHA 24 th Edition 3120 B:2023	mg/l	<0.02	0.02	No relaxation
15	Total Arsenic as As	IS 3025:Part 65:2022	mg/l	<0.005	0.01	No relaxation
16	Total Chromium as Cr	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.05	No relaxation
Inference			Conforms to prescribed standards			

Note: 1. * As per IS 10500:2012 (Reaffirmed:2018)

2. Above mentioned parameters has been outsourced.


AUTHORISED SIGNATORY
 Harish C S (T.M)

End of the report

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TEST REPORT

GPL/T/F/13

ANALYSIS REPORT (ACCREDITED PARAMETERS) OF WATER

Date: 16.09.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sample collected by	Kiran G L, Field Technician
	Sampling procedure	IS 17614:Part 1:2021
	Date of collection	02.09.2024
	Date of sample receipt	03.09.2024
	Particular of sample	Borewell water collected from tap of borewell No. - 10
	Date of commencement of analysis	03.09.2024
	Date of completion of analysis	10.09.2024
	Number of pages	1 of 2
	Sample number	GPL/2024/Sep/06
	Sample report number	GPL/2024/Sep/06
ULR number	TC555124000002155F	

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
1	Colour	IS 3025:Part 4:2021	Hazen	<5.0	5	15
2	Odour	IS 3025:Part 5:2018	-	Agreeable	Agreeable	Agreeable
3	pH	IS 3025:Part 11:2022	-	7.5	6.5-8.5	No relaxation
4	Taste	IS 3025:Part 8:2023	-	Agreeable	Agreeable	Agreeable
5	Turbidity	IS 3025:Part 10:2023	NTU	0.05	1	5
6	Filterable Residue (Total Dissolved Solids)	IS 3025:Part 16:2023	mg/l	162	500	2000
7	Ammonia as total ammonia-N	IS 3025:Part 34 :1988 (Reaffirmed:2019)	mg/l	<0.02	0.5	No relaxation
8	Boron as B	IS 3025:Part 57:2021	mg/l	0.08	0.5	1.0
9	Calcium as Ca	IS 3025:Part 40 :1991 (Reaffirmed:2019)	mg/l	61.7	75	200
10	Chloramines as Cl ₂	IS 3025:Part 26:2021	mg/l	<0.07	4.0	No relaxation
11	Chloride as Cl	IS 3025:Part 32:1988 (Reaffirmed:2019)	mg/l	21.9	250	1000

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TEST REPORT

GPL/T/F/13

Number of pages	2 of 2
Sample number	GPL/2024/Sep/06
Sample report number	GPL/2024/Sep/06
ULR number	TC555124000002155F

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
12	Fluoride as F	IS 3025:Part 60:2008 (Reaffirmed:2019)	mg/l	<0.05	1.0	1.5
13	Free Residual Chlorine	IS 3025:Part 26:2021	mg/l	<0.07	0.2	1
14	Iron as Fe	IS 3025:Part 53:2024	mg/l	<0.04	0.3	No relaxation
15	Magnesium as Mg	IS 3025:Part 46:2023	mg/l	<0.4	30	100
16	Mineral Oil	IS 3025:Part 39:2021	mg/l	<0.3	0.5	No relaxation
17	Nitrate as NO ₃	IS 3025:Part 34:1988 (Reaffirmed:2019)	mg/l	<0.02	45	No relaxation
18	Sulphate as SO ₄	IS 3025:Part 24: Sec 1:2022	mg/l	<0.1	200	400
19	Sulphide as H ₂ S	IS 3025:Part 29:2022	mg/l	<0.02	0.05	No relaxation
20	Total Alkalinity as CaCO ₃	IS 3025:Part 23:2023	mg/l	30.0	200	600
21	Total Hardness as CaCO ₃	IS 3025:Part 21:2009 (Reaffirmed:2019)	mg/l	48.0	200	600

Microbiology Test

Sl. No.	Parameter	Test Method	Unit	Result	Standard* (Clause 4.1.1)
1	Escherichia coli	IS 15185:2016 (Reaffirmed:2021)	MPN/100 ml	Absent	Shall not be detectable in any 100 ml sample
2	Total coliform bacteria	IS 15185:2016 (Reaffirmed:2021)	MPN/100 ml	Absent	Shall not be detectable in any 100 ml sample
Inference			Conforms to prescribed standards		

Note: 1. * As per IS 10500:2012 (Reaffirmed:2018)


AUTHORISED SIGNATORY
Muniraju G (Q.M)

End of the report

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TEST REPORT ANALYSIS REPORT OF WATER

GPL/T/F/13A

Date: 16.09.2024

Address of the customer	Report Details	
M/s AEQUS SEZ PRIVATE LIMITED Sy. No's. 28 to 33 of Bhanapur Village, and Sy. No's. 128 to 136, 139 to 143, 199, 202, 203, 205 to 211 of Talabal Village, Yelbarga Taluk, Koppal District	Sample collected by	Kiran G L, Field Technician
	Sampling procedure	IS 17614:Part 1:2021
	Date of collection	02.09.2024
	Date of sample receipt	03.09.2024
	Particular of sample	Borewell water collected from tap of borewell No,- 10
	Date of commencement of analysis	04.09.2024
	Date of completion of analysis	13.09.2024
	Number of pages	1 of 2
	Sample number	GPL/2024/Sep/06
	Sample report number	GPL/2024/Sep/06

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
1	Aluminum as Al	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.03	0.2
2	Anionic Detergents as MBAS	IS 13428 Annex-K:2005 (Reaffirmed:2018)	mg/l	<0.1	0.2	1.0
3	Barium as Ba	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.7	No relaxation
4	Copper as Cu	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.05	1.5
5	Manganese as Mn	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.1	0.3
6	Phenolic Compounds as C ₆ H ₅ OH	Cl 6 of IS 3025 (Part 43)/Sec1:2022	mg/l	<0.001	0.001	0.002
7	Selenium as Se	IS 3025:Part 65:2022	mg/l	<0.005	0.01	No relaxation
8	Silver as Ag	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.1	No relaxation

Continued....

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TEST REPORT

GPL/T/F/13A

Number of pages	2 of 2
Sample number	GPL/2024/Sep/06
Sample report number	GPL/2024/Sep/06

Sl. No.	Parameter	Test Method	Unit	Result	Standard*	
					Acceptable Limit	Permissible Limit
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10	Cyanide as CN	Cl 4 of IS 3025 (Part 27)/Sec1):2021	mg/l	<0.01	0.05	No relaxation
11	Lead as Pb	IS 3025:Part 65:2022	mg/l	<0.005	0.01	No relaxation
12	Mercury as Hg	APHA 24 th Edition 3120 B:2023	mg/l	<0.001	0.001	No relaxation
13	Molybdenum as Mo	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.07	No relaxation
14	Nickel as Ni	APHA 24 th Edition 3120 B:2023	mg/l	<0.02	0.02	No relaxation
15	Total Arsenic as As	IS 3025:Part 65:2022	mg/l	<0.005	0.01	No relaxation
16	Total Chromium as Cr	APHA 24 th Edition 3120 B:2023	mg/l	<0.03	0.05	No relaxation
Inference		Conforms to prescribed standards				

Note: 1. * As per IS 10500:2012 (Reaffirmed:2018)

2. Above mentioned parameters has been outsourced.


AUTHORISED SIGNATORY
Harish C S (T.M)

End of the report

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