



HETERO LABS LIMITED (UNIT-III)
S.No. 120 & 128, 150 (PART), 150/1, 151/2, 158/1,
N.Narasapuram (Village),
Nallamattipalem (V), Nakkapalli (Mandal),
Anakapalli (Dist) - 531 081., A.P., INDIA.
Tel : +91 891 2877900, Fax: +91 891 2877933
CIN: U24110AP1989PLC009723

19 May 2026

Letter NO: HLL-III/EHS/MoEF&CC/2026-27/03

**Joint Director (S)
Integrated Regional Office (IRO),
Ministry of Environment, Forest & Climate Change,
Green House complex, Gopala Reddy Road,
Vijayawada - 520010,
Andhra Pradesh.**

Dear Sir,

Sub : Submission of Certified six-monthly compliance report of Environmental Clearance issued to M/s Hetero Labs Ltd, Unit-III (Formerly Hetero Drugs Ltd, Unit -VI) Nakkapalli, Anakapalli (Erstwhile Visakhapatnam) District-Regarding

**Ref : Environmental Clearance No: J-11011/396/2010-IA II (I) Dated 10/09/2012
Transfer of Environmental Clearance Dated 27th January 2020**

With reference to the above, please find enclosed herewith six-monthly compliance report of Environmental clearance issued to M/s Hetero Labs Ltd, **(Formerly Hetero Drugs Ltd, Unit -VI)** for the period of 1st October 2025 to 31st March 2026 with all necessary enclosures for your kind information and perusal.

You are requested to kindly acknowledge the receipt.

Thanking you,

Yours faithfully,
**For Hetero Labs Ltd, Unit-III
Formerly (Hetero Drugs Ltd, Unit -VI)**


**S. Kullayi Reddy
Associate Vice President -EHS**

Enclosures : As above

Corporate

7-2-A2, Industrial Estates, Sanath Nagar, Hyderabad-500 018. Telangana, India
T: +91 40 23704923 / 24 / 25, Fax : +91 40 23704926, 23714250, 23714119

www.hetero.com



**Compliance report to the conditions of Environmental Clearance of
M/s Hetero Labs Ltd, Unit-III Formerly Hetero Drugs Ltd, Unit-VI
Vide Letter No. J-11011/398/2010-IA II (I) dated 10th September 2012**

EC Compliance Period – 1st October 2025 to 30th March 2026

A. Specific Conditions

| S. NO | Description of Condition | Compliance Status | | | | | | | | | |
|-----------------|---|---|-----------------|--------------|------|--------|------|----------------------------|--------|------|------------------------------|
| i. | All the specific conditions and general conditions specified in the environmental clearance letter accorded vide ministry no. J-11011/253/2003-la. II (I) dated 22 nd September, 2006 shall be implemented. | Complied. The industry has implemented all conditions specified in the Environmental Clearance letter accorded vide ministry no. J-11011/352/2003-IA. II (I) dated 25 th September 2006. Condition wise Compliance report is enclosed as Annexure -I. | | | | | | | | | |
| ii. | National Emission standards for organic chemicals manufacturing Industry issued by the ministry vide G.S.R.608 (E) dated 21 st July, 2010 and amended time to time shall be followed by the unit. | Being Complied. The industry has engaged third party agency (Laboratory approved by MoEF&CC) for monitoring of Ambient Air Quality for the parameters mentioned in this order on monthly basis. As per the analysis reports, all the parameters are within standards. The Ambient Air Quality Monitoring Reports are enclosed as Annexure -II. The industry has installed & maintaining online Continuous Ambient Air Quality Monitoring Stations for monitoring the ambient air quality. | | | | | | | | | |
| iii. | Permission and recommendation shall be obtained from the state forest department regarding the impact of the proposed expansion on the surrounding reserve forests (2 Nos.) | Not Applicable. There is no reserve forest in the surrounding area. The reserve forest is far away from the project area and hence not applied for the permission. | | | | | | | | | |
| iv. | Multi-cyclone followed by bag filter shall be provided to the boiler to control particulate emissions within permissible limit. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/APPCB guidelines. | Complied. Boilers are installed in the premises of M/s Hetero Infrastructure SEZ Ltd and required steam for the unit is being supplied by M/s Hetero Infrastructure SEZ Ltd. The industry M/s Hetero Infrastructure SEZ Ltd has provided adequate stack height to the boilers as per the CPCB/APPCB guidelines and Air pollution Control devices provided to the Boiler stacks are as below: <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Boiler Capacity</th> <th style="text-align: center;">Stack Height</th> <th style="text-align: center;">APCB</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">45 TPH</td> <td style="text-align: center;">53 m</td> <td style="text-align: center;">Electrostatic Precipitator</td> </tr> <tr> <td style="text-align: center;">20 TPH</td> <td style="text-align: center;">33 m</td> <td style="text-align: center;">Multi cyclone and Bag filter</td> </tr> </tbody> </table> | Boiler Capacity | Stack Height | APCB | 45 TPH | 53 m | Electrostatic Precipitator | 20 TPH | 33 m | Multi cyclone and Bag filter |
| Boiler Capacity | Stack Height | APCB | | | | | | | | | |
| 45 TPH | 53 m | Electrostatic Precipitator | | | | | | | | | |
| 20 TPH | 33 m | Multi cyclone and Bag filter | | | | | | | | | |
| v. | Adequate scrubbing system shall be provided to the process vents to control process emissions. The scrubbing media shall be sent to effluent treatment plant (ETP) for treatment. Efficiency of scrubber shall be monitored regularly and | Complied. Multi Stage scrubbers have been provided to the vents of reactors where acidic reactions are being carried. At present 39 Nos of Multistage scrubbers & 04 no's of secondary stage scrubbers (Common Scrubbers) are in | | | | | | | | | |

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| | <p>maintained properly. At no time, the emission levels should go beyond the prescribed standards. Scrubbers vent shall be provided with on-line detection and alarm system to indicate higher than permissible value of controlled parameters.</p> | <p>operation and all scrubbers are provided with online pH meters with data loggers system. Online pH meters are connected to APPCB website.</p> <p>Emission levels are being monitored through portable analyzers and records are being maintained.</p> <p>The industry is sending scrubbing media to effluent treatment plant (ETP) of M/s Hetero Infrastructure SEZ Ltd for treatment & disposal.</p> <p>Copy of list of scrubbers installed in the plant is enclosed as Annexure –III.</p> |
| vi. | <p>Ambient air quality data shall be controlled as per NAAQES standards notified by the ministry vide G.S.R. No. 826(E) 16th September 2009. The levels of PM₁₀, SO₂, NOX, CO and VOC shall be monitored in the Ambient air and emissions from the stacks and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the regional office of MOEF, the respective Zonal office of CPCB and the AP Pollution Control Board (APPCB)</p> | <p>Complied</p> <p>The industry has installed 03 no's Continuous Ambient Air Quality Monitoring stations at site and are connected to APPCB website. The online data is being displayed at Main entrance Gate of the plant.</p> <p>The industry has engaged third party Laboratory (Approved by MoEF&CC) for monitoring of Ambient Air Quality for the parameters mentioned in the EC Order. The monitoring reports are being submitted to AP Pollution Control Board on monthly basis and are being submitted to IRO, Vijayawada of MoEF&CC along with six monthly compliances.</p> <p>Latest Ambient Air Quality report is enclosed as Annexure –II.</p> |
| vii. | <p>To Eliminate/reduce odour problem, the effluent before going to ETP shall be treated in stripper for removal of VOC. VOC shall be monitored in ETP area.</p> | <p>Complied.</p> <p>The effluents generated from the unit are being treated in CETP of M/s Hetero Infrastructure SEZ Ltd. Installed 03 no' s of Strippers in the CETP for removal of VOCs before sending the effluent to MEE of ETP. VOCs are being monitored in ETP area through online as well as portable instruments and records are being maintained. Online VOC meter is connected to APPCB website.</p> <p>VOC results for the past one month recorded in online VOC meter is enclosed as Annexure-IV.</p> |
| viii. | <p>Specific VOC to be monitored for the specific solvents using proper sampling and analysis protocols.</p> | <p>Complied.</p> <p>VOC is being monitored through portable and online VOC meters and records are being maintained.</p> |
| ix. | <p>In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions Controlled by providing closed storage, closed handling & conveyance of</p> | <p>Complied.</p> <p>The industry is controlling fugitive emissions from all sources by following measures:</p> <ul style="list-style-type: none"> • Storing solvents in closed tanks with vent condensers in dedicated areas. |

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| | chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emission shall conform to the limits stipulated by the APPCB | <ul style="list-style-type: none"> • Transfer of solvents & chemicals through closed pipelines. • Vents of reactors in which acidic reactions are being carried are connected to scrubbers. • Dual stage condensers are provided to the vents of all reactors, ANFDs and Solvent Recovery units. • Water sprinkler system to Ammonia storage & solvent storage yard. • Fugitive emissions are being regularly monitored, and records are being maintained. • Dust collectors are installed in the powder processing areas to control the dust. <p>As per the records, all emissions are within the limits prescribed by the APPCB.</p> |
| x. | <p>For further control of fugitive emissions, following steps shall be followed:</p> <ol style="list-style-type: none"> 1. Closed handling system shall be provided for chemicals. 2. Reflux condenser shall be provided over reactor. 3. System of leak detection and repair of pump/pipeline based on preventive maintenance. 4. The acids shall be taken from storage tanks to reactors through closed pipelines. Storage tanks shall be vented through trap receiver and condenser operated on chilled water. 5. Cathodic protection shall be provided to the underground solvent storage tanks. | <p>Complied.</p> <ol style="list-style-type: none"> 1. All chemicals & solvents are being transferred through closed pipelines. 2. Dual stage Reflux condensers are provided over the reactors (Vents of reactors). 3. Preventive maintenance of all major equipment is in place and is being followed. LDAR is an integral part of Preventive maintenance. 4. Acids are being transferred through closed pipeline from storage area to reactors. The vents of storage tanks are connected to the scrubber. 5. There are no underground storage tanks in the factory. <p>Regarding Leak detection and repairs, the industry has prepared LDAR protocols/SOPs and the same is an integral part of preventive Maintenance of equipment's.</p> |
| 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. | <p>Complied.</p> <p>All DG sets in the industry are provided with adequate stack height as per CPCB guidelines and provided with Acoustic Enclosures to reduce noise levels.</p> <p>Photographs of the DG sets are enclosed as Annexure-V.</p> |

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| <p>xii.</p> | <p>Solvent management shall be carried out as follows:</p> <ul style="list-style-type: none"> i. Reactor shall be connected to chilled brine condenser system. ii. Reactor and solvent handling pump shall have mechanical seals to prevent leakages. iii. The condensers shall be provided with sufficient HTA residence time so as to achieve more than 95% recovery. iv. Solvents shall be stored in a separate space specified with all safety measures. v. Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. vi. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. vii. All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation. | <p>Complied.</p> <ul style="list-style-type: none"> i. All reactor vents are connected to the dual stage Chilled brine condenser system. ii. All Reactors and solvent handling pumps are provided with Mechanical Seals to prevent leaks. iii. All condensers are provided with sufficient HTA residence time to achieve maximum recovery. The installed condensers are designed based on the flow of vapor quantity. iv. All solvents are stored in a separate space (Premises approved by the Department of Explosives) with all safety precautions. v. Ensured double earthing for all the equipment's installed in the factory. vi. All electrical fittings inside the factory are of Flame proof only. All solvent storage tanks are provided with Breather valves & Flame arresters. vii. All vents of low boiling solvent storage tanks are provided with vent condensers with chilled brine circulation. |
| <p>xiii.</p> | <p>Total freshwater requirement from desalination plant will be 958 m³/day after expansion and prior permission shall be obtained from the concerned authority. No ground water shall be used.</p> | <p>Complied.</p> <p>The industry is using water as per the Consents issued by A.P. Pollution Control Board.</p> <p>No Ground water is being used for the industrial purpose and Complete water required for the industry is being met through Sea Water Desalination Plant of M/s Hetero Infrastructure SEZ Ltd.</p> |
| <p>xiv</p> | <p>Trade effluent shall be segregated into high COD/TDS and low COD/TDS effluent streams. High COD/TDS shall be passed through stripper followed by MEE and agitated thin film drier (ATFD). Low TDS effluent stream shall be treated in ETP and then passed through RO system. The unit will have common effluent treatment facilities to treat the effluent generated from two units by name Hetero Labs Ltd. Unit-III and Hetero Drugs Ltd. Unit-VI in the neighbouring SEZ owned by a group company. The treated effluent shall be disposed off to marine outfall after conforming to the standards prescribed for the effluent discharge and obtaining permission from the APPCB. Water quality of treated effluent shall be monitored regularly and monitoring report shall be submitted to the APPCB. No process effluent shall be discharged in</p> | <p>Complied by the industry.</p> <p>The industry has installed Common Effluent Treatment Plant (CETP) in the premises of M/s Hetero Infrastructure SEZ Ltd for the treatment & disposal of effluent.</p> <p>The industry is segregating the effluents into high COD/TDS and low COD/TDS streams. High TDS/COD effluents are being treated in Stripper, MEE & ATFD and the condensate of MEE & ATFD is further treated in Biological ETP (De-nitrification followed by Dual stage aerobic treatment plant).</p> <p>All Low TDS/COD streams are being treated in Biological System along with condensate of MEE.</p> <p>The treated effluent is being monitored by third party (approved by MoEF&CC) and the reports are being submitted to RO, APPCB, Visakhapatnam regularly on monthly basis.</p> |

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| | and around the project site. Sewage shall be treated in sewage treatment plant. | Copy of latest analysis reports of ETP outlet is enclosed as Annexure-VI . The treated effluents are being disposed into Sea under the supervision of APPCB Officials and there is no discharge of effluents around the project site. The domestic wastewater is being treated in Sewage treatment plant of 300 KLD Capacity in the premises of M/s Hetero Infrastructure SEZ Ltd. |
| xv | The effluent containing solvent going to bioreactor (ETP) shall be removed by steam stripping. Unit shall ensure that no solvent enters the biological ETP; there it is toxic to the biomass. | Complied. The industry is removing low boiling solvents from the effluents in the strippers of CETP. After stripping the HTDS effluent is going to MEE, and the condensate of MEE along with LTDS effluent is subjected to biological treatment. Copy of ETP flow diagram is enclosed as Annexure-VII . |
| xvi | The treated effluent having TDS above 7000-8000 mg/lit shall be passed through separate RO. Permeate of RO shall be reused/recycled in the process. | Being Complied. The industry has obtained Environmental Clearance with Marine disposal of Effluents after treatment and not with recycling option. At present TDS of treated effluent is less than 6000 mg/l and the treated effluent is being discharged into the sea under the supervision of APPCB officials after treatment and meeting the standards. The industry has installed treatment plant for contaminated Condensate water and recycling treated condensate water to Boiler thereby reducing the water consumption. |
| xvii | Treated industrial effluent shall be passed through guard pond. The guard pond shall have online PH, TOC analyser and flow meter and data shall be online transmitted to the APPCB website. | Complied. The industry is storing the treated effluent in guard ponds of M/s Hetero Infrastructure SEZ Ltd before discharging into Sea and online Effluent monitoring system has been installed for Flow, pH, TSS, TOC, BOD & COD and the data is connected to CPCB & APPCB websites. Photograph of the online effluent monitoring system is enclosed as Annexure-VIII . |
| xviii | Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm. Solvent transfer shall be by pumps. | Complied. All solvents are being stored in the above ground tanks and the tanks are provided with Flame arresters. Hazardous solid chemicals are being stored in drums, Carboys etc in solid raw material warehouses. Solvents are being transferred through pumps from solvent yard to Production area. |
| xix | As proposed, process organic residue and spent carbon shall be sent to cement industries. ETP sludge process inorganic & evaporation salt shall be disposed off to | Complied. The industry is disposing hazardous wastes as per the guidelines of MOEF&CC and APPCB as mentioned below. |

**HETERO LABS LIMITED UNIT-III
(FORMALLY HETERO DRUGS LIMITED UNIT-IV)**

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| | the TSDF. The ash from boiler shall be sold to brick manufacturers. | <ul style="list-style-type: none"> • Inorganic Process salts are being disposed to TSDF, Ramky, Visakhapatnam. • Organic residue and spent carbon is being sent to either TSDF or cement Industries for incineration purposes as per CFO conditions • Boiler ash is being sent to brick manufacturers (from M/s Hetero Infrastructure SEZ Ltd) <p>The details of Hazardous waste and its mode of disposal as per the Hazardous waste Authorization issued by APPCB is enclosed as Annexure-IX.</p> |
| xx | Waste organic residue having very high calorific value which is being sent to cement plant for co processing requires complete audit. The study shall include how waste are fed into the kiln and other associated problems. The study report shall be submitted to ministry's regional office at Bangalore, APPCB and CPCB within three months. | <p>Complied. The industry has carried audit at one cement industry M/s Sagar Cement Industries and the report has already submitted to the RO, MoEF&CC. At present in addition to the Cement Industries, the industry is disposing the Organic Residue to Pre-processors authorised by APPCB through Andhra Pradesh Environment Monitoring Corporation Ltd (APEMCL) with online manifest system.</p> |
| xxi | The salt from drier contains 3-4% organic matter. A study shall be carried out to treat it in a rotary kiln (above 800°C) to remove organics and utilization of salt shall be explored. The study report shall be submitted to ministry's regional office at Bangalore, APPCB and CPCB within six months. | <p>Complied. At present the industry is sending some of the salts like KCl & Zinc to authorised recyclers as by-product and sending some of the salts to TSDF for disposal purpose.</p> |
| xxii | The company shall obtain authorization for collection storage and disposal of hazardous waste under the hazardous waste (management, handling & trans boundary movement) rules, 2008 and amended as on date for management of hazardous wastes and prior permission from APPCB shall be obtained for disposal of solid/hazardous waste in the TSDF. Measures shall be taken for firefighting facilities in case of emergency. | <p>Complied. Industry has obtained authorization from APPCB for collection, storage, and disposal of hazardous waste under the Hazardous waste (Management, handling & trans boundary movement) rules, 2016 vide Order No: APPCB/VSP/VSP/137/HO/CTO/2024 dated 19/01/2025 valid up to 31/12/2027. Copy of the Authorisation is enclosed as Annexure-X. Well-designed firefighting facilities are in place for firefighting purpose. Details of firefighting systems installed at the facility are enclosed as Annexure-XI.</p> |
| xxiii | The company shall strictly comply with the rules and guidelines under manufacture, storage and import of hazardous chemicals (MSIHC) rules 1989 as amended time to time. All transportation of | <p>Complied. The industry is complying with all the rules and guidelines under MSHIC rules 1989 as amended from time to time.</p> |

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| | hazardous chemicals shall be as per the motor vehicle act (MVA), 1989. | The industry is taking care of transportation of hazardous chemicals as per Motor Vehicle Act 1989. |
| xxiv | Fly ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust shall be avoided. | <p>Complied.</p> <p><i>Boilers are installed in the premises of M/s Hetero Infrastructure SEZ Ltd and required steam for the unit is supplied by M/s Hetero Infrastructure SEZ Ltd.</i></p> <p>Fly ash is being stored in a silo in the premises of M/s Hetero Infrastructure SEZ Ltd to avoid spreading of ash in the surrounding environment and to avoid flowing along the storm water during rainy season. Required PPEs are being provided to all the workers working in Boiler area and the ash is directly dumped into the trucks from silos to avoid exposure of workers.</p> |
| xxv | <p>The company shall undertake following waste minimization measures:</p> <ol style="list-style-type: none"> a. Metering and control of quantities of active ingredients to minimize waste. b. Reuse of by –products from the process as raw materials or as raw material substitutes in other processes. c. Use of automated filling to minimize spillage. d. Use of close feed system into batch reactors. e. Venting equipment through vapour recovery system. f. Use of high-pressure hoses for equipment clearing to reduce wastewater generation. | <p>Complying.</p> <p>The industry is complying with the conditions mentioned.</p> <ol style="list-style-type: none"> a. Having control of quantities of active ingredients. b. Using distilled solvents as raw material in processes as substitutes and recovered SMBS from scrubbers is being used in the process. c. Closed system of filling is being followed. d. Closed filling into tanks/ receivers and feeding system to batch reactors is in place. e. All vapors from the process reactors are being vented through condensers to recover solvents to the maximum possible extent. f. Using high pressure jet pumps with hoses and spray balls for cleaning of reactors to reduce water consumption. |
| xxvi | The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms. | <p>Complied.</p> <p>Complied.</p> <p>The industry has provided adequate firefighting systems as per the norms prescribed by the AP State Disaster Response and Fire services department. Copy of Fire NOC issued by the APSDRFS is enclosed as Annexure-XII.</p> |
| xxvii | Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories act. | <p>Complied.</p> <p>The industry is conducting pre-employment medical examination to all employees and regular medical check-ups to all employees are being carried as per the Factories Act</p> |

**HETERO LABS LIMITED UNIT-III
(FORMALLY HETERO DRUGS LIMITED UNIT-IV)**

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| | | 1948. Records of medical examinations are being maintained. Sample copy of periodical Medical Examination of employees is enclosed as Annexure-XIII . |
| xxviii | The recommendation of the study conducted by NIO should be implemented in a time bound manner. | Complied. The industry has implemented recommendations of the study conducted NIO. Compliance report for recommendations of the study carried by NIO is enclosed as Annexure-XIV . |
| xxix | As proposed, green belt shall be developed in 20 acres out of total land 60 acres. Selection of plant species shall be as per the CPCB guidelines. | Complied. The industry has developed thick green belt in an area of 30 acres and still it is going on. Greenbelt photographs are enclosed as Annexure XV . |
| xxx | All the issues raised during the public hearing/consultation meeting held on 19 th May 2011 shall be satisfactorily implemented. | Complied. The industry has implemented all the issues raised during the public hearing meeting on 19 th may, 2011. |
| xxxi | As for CSR Activity, two ponds near temple shall be upgraded. | Complied by the industry. The industry has prepared proposals for development of two ponds near the temple. In the first phase as per the request of the villagers and the industry has constructed two temples adjacent to the ponds and installed one RO plant for the pilgrims & Villagers. The development proposal which was prepared by the industry includes: <ul style="list-style-type: none"> • Temples construction • Green belt development around the pond including lawns/ flowering plants. • Development road etc. But after preparation of proposals, the Temple was taken over by Tirumala Tirupati Devasthanam (TTD). The budget allocated for the purpose is diverted for other CSR activities for the villages situated in and around the factory premises. At present the complete development is being taken care by Tirumala Tirupati Devasthanam (TTD). |
| xxxii | Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so | Complied. All temporary shelters constructed during construction phase have been dismantled & removed. However, the industry has provided two ambulances of mini trauma type for shifting the people during any medical emergencies. All the construction wastes are being managed meticulously, so that there is no impact on the surrounding environment. |

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| | that there is no impact on the surrounding environment. | |
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B. General Conditions

| S.NO | Description of Condition | Compliance Status |
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| i. | The project authorities shall strictly adhere to the stipulations made by the Andhra Pradesh State Pollution Control Board. | Complying. The industry is complying with all the stipulated conditions of CTO issued by APPCB. Copy of the compliance report to the conditions of CTO is enclosed as Annexure-XVI. |
| ii. | No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to the Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any. | Noted and being complied. The industry will intimate to the Ministry and get the approval from the MoEF&CC if any expansion or modifications in the plant. |
| iii. | The locations of ambient air quality monitoring stations shall be decided in consultation with the state pollution control board (SPCB) and it shall be ensured that at least one station is installed in the upwind and down wind direction as well as where maximum ground level concentrations are anticipated. | Complied. The industry has installed 03 nos of online continuous Ambient air quality stations (CAAQMS) in consultation with APPCB. All the CAAQMS stations are connected to APPCB website. Layout of CAAQM station installations is enclosed as Annexure-XVII. |
| iv. | The overall noise level in and around the plant area shall be kept well within the standards (85 dBA) by providing noise controlling measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time) | Complied. The industry is monitoring Noise levels regularly inhouse by using portable instruments and through third party (Approved by MoEF&CC) once in a month and records are being maintained. The noise levels are well within the norms stipulated by the MoEF&CC and APPCB. Copy of latest report of Noise monitoring is enclosed as Annexure-XVIII. |
| v. | The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water. | Complied. The industry is collecting rainwater in the ponds within the premises of the industry for recharging the ground water in the area. The same water is being recycled for various uses (if required). Photograph of the rainwater collection ponds is enclosed as Annexure-XIX. |
| vi. | Training shall be imparted to all employees on safety and health | Complied. |

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| | aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted. | <ul style="list-style-type: none"> ➤ New Hire Orientation training (NHO) for newly joined employees. ➤ Monthly trainings as per the schedule ➤ Safety trainings as per the training calendar. ➤ Live demo on Firefighting & Chemical handling activities etc. <p>Regular medical examination of all employees is being undertaken as per the Factories Act 1948. Records of all employees are in place.</p> |
| vii. | Usage of personnel protection equipment (PPEs) by all employees/workers shall be ensured. | <p>Complied.</p> <p>The industry is providing PPE's to all employees/workers working in the factory. The PPE's are being issued based on the activities performed by the employees and as per the PPE matrix. The activity wise PPE matrix is enclosed as Annexure -XX.</p> |
| viii. | The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented. | <p>Being implemented.</p> |
| ix. | The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration. | <p>Complying.</p> <p>The industry is carrying out CSR activities in the nearby villages by way of:</p> <ul style="list-style-type: none"> • Providing safe drinking water by installing RO plants • Conducting Medical Camps through mobile medical van • Maintaining Eye hospital/Vision Centre at Nakkapalli for the welfare of Villagers. • Piped water supply to few villages. • Construction of temples/ community halls as per the request of Villagers. • Helping the public during natural calamities etc. • Provided plants & LED lights to nearby villages. • Infrastructure facilities in the Villages like Roads, Compound walls to temples & Schools, Toilets in the Schools etc. • School infrastructure like Furniture in nearby 20 Schools. |

**HETERO LABS LIMITED UNIT-III
(FORMALLY HETERO DRUGS LIMITED UNIT-IV)**


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| | | Details of CSR activities carried by the industry are enclosed as Annexure -XXI . |
| x. | The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment. | Complied Details of CSR activities carried by the industry are attached as Annexure-XXI . |
| xi. | A separate environmental management cell equipped with full-fledged laboratory facilities shall be set-up to carry out the environmental management and monitoring functions | Complied. The industry is having separate environmental management cell with laboratory facilities to carry out the environmental management and monitoring functions. Detailed list of equipment installed in the laboratory is enclosed as Annexure-XXII . |
| xii. | As proposed, the company shall earmark adequate funds towards capital cost and recurring cost to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose. | Complied. The industry is allocating adequate funds to the environment department for implementing the conditions stipulated by the Ministry of Environment and Forests and APPCB. |
| xiii. | A copy of clearance letter shall be sent by the project proponent to concerned panchayat, zilla parishad/municipal corporation, urban local body and the local NGO, if any, from who suggestions /representations, if any were received while processing the proposal. | Complied. The industry has submitted the Copy of clearance letter to the Gram Panchayat and District administration. |
| xiv | The project proponent shall also submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MOEF, the respective Zonal office of CPCB and the A.P. pollution control board. A copy of environmental clearance and six-monthly compliance status reports shall be posted on the website of the company. | Complied. The industry is submitting the six-monthly compliance report to IRO, MoEF & CC through e-mail and APPCB. The industry is posting its six-monthly EC compliance report in hetero website www.hetero.com . Also, the industry is uploading the compliance in Parivesh 2.0 portal. |
| xv | The environmental statement for each financial year ending 31 st March in Form-V as is mandated shall be | Complied. |



**HETERO LABS LIMITED UNIT-III
(FORMALLY HETERO DRUGS LIMITED UNIT-IV)**

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| | submitted to the concerned state pollution control board as prescribed under the environment(Protection) rules,1986, as amended subsequently, shall also be put on the website of the company and shall also be sent to the respective Regional Office of MOEF by e-mail. | The industry is regularly submitting Environmental statement to APPCB before 30 th September of every year. The same has been posted in hetero website www.hetero.com Environmental statement is enclosed as Annexure-XXIII. |
| xvi | The project proponent shall inform the public that the project has been accorded Environmental Clearance by the Ministry and copies of the clearance letter are available with the SPCB/ Committee and may also be seen at website of the Ministry at http://envfor.nic.in . this shall be advertised with in the seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forward to the concerned regional office of the ministry | Complied. The industry has informed public that, the project has been accorded environmental clearance by the Ministry by way of publishing in local newspapers and Copies of newspaper clippings have already submitted to Regional Office, MoEF&CC. Copy of newspaper clippings are enclosed as Annexure-XXIV. |
| xvii | The project authorities shall inform the regional office as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the Project. | Own Funds and therefore no date of financial closure. The same has been informed to Regional Office, MoEF&CC |

**For Hetero Labs Ltd, Unit-III
(Formerly Hetero Drugs Ltd, Unit-VI)**


21/05/2026
S. Kullayi Reddy
Associate Vice President

HETERO LABS LIMITED UNIT-III

COMPLIANCE REPORT TO THE CONDITIONS OF ENVIRONMENTAL CLEARANCE ISSUED TO
M/S. HETERO LABS LIMITED, UNIT-III
VIDE F.NO: J-11011/352/2003-IA. II (I) DATED 25/09/2006

A) SPECIFIC CONDITIONS

| S.NO | CONDITION | COMPLIANCE |
|------|--|---|
| I | The gaseous emissions (SO ₂ , Nox & HCl) and particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. VOCs shall also be monitored along with other parameters. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be started until the control measures are rectified to achieve the desired efficiency | Complied. The industry has installed required air pollution control devices to bring down the gaseous emissions below the prescribed norms. The industry is regularly monitoring the gaseous emission & Ambient air quality through online equipment's and through third party (laboratory approved by MoEF&CC) including VOCs. In case of any failure of Pollution control system, the respective plant will be stopped and made operational only after rectifying the same |
| II | Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration are anticipated in consultation with the A.P.P.C.B. | Complied. The industry has installed Online continuous ambient air quality monitoring stations in the facility and connected to APPCB website. |
| III | For control of process emissions, the reactors shall be provided with venturi scrubbers to scrub gaseous emissions of HCl and SO ₂ and stacks of appropriate height as per the CPCB guidelines. The Scrubbed water after neutralization shall be sent to ETP for future treatment. Company shall provide bag filters & multicyclones to control the particulate emissions from the boilers. | Complied. Industry has installed 39 Nos of Multistage Scrubbers to scrub gaseous/process emissions, and scrubbed water is being routed to ETP of M/s Hetero Infrastructure SEZ Ltd for treatment and disposal. There are no Boilers installed in the unit and required steam for the unit is being supplied from the Boilers installed in the premises of M/s Hetero Infrastructure SEZ Ltd. The industry has provided adequate stack height to all boilers as per the CPCB/APPCB guidelines and provided all required Air Pollution Control Devices for controlling the particulate emissions. |
| IV | Spent solvents shall be recovered as far as possible & recovery shall not be less than 95 percent. During purification process, solvent vapours are emitted from purification tanks as, fugitive emissions. Action shall be taken to reduce the emissions as far as possible. Use of toxic solvents like Methylene Chloride (M.C.) etc. Shall be minimum and Benzene shall be replaced with alternate solvents. Industry shall try to switch over the aqueous based coating film in place of use of Methylene Chloride in Coating operation and to non-halogenated solvents in place of the halogenated solvents in a phased manner. All venting equipment shall have vapour recovery system | Complied Installed Solvent Recovery System (SRS) for recovery of solvents and recovering solvents to the maximum possible extent. Industry is taking all possible measures to control gaseous emissions to the maximum possible extent. R&D is working on reducing the usage of toxic solvents and not using Benzene. Now there is no usage of Benzene in the process. There are no coating activities in the plant. Installed two stage condensers to all the vents of Reactors and distillation columns for recovery of vapours. |

HETERO LABS LIMITED UNIT-III

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| V | <p>Hazardous and toxic waste generated during the process like distillation residue, spent carbon. Spent mixture solvents, process organic residue shall be treated properly in the Common Effluent Treatment Plant (CETP) Located in the campus of M/s Hetero Drugs Limited. (Unit IX).</p> | <p>Complied The industry is having dedicated facility for receipt, storage, and processing of Residues/ Spent Carbon etc in the premises of M/s Hetero Infrastructure SEZ Ltd. The industry is disposing the Hazardous waste as per the Hazardous waste Authorization issued by APPCB, and Hazardous waste (Management, Handling and Transboundary movement) Rule 2016.</p> |
| VI | <p>The company shall undertake following Waste Minimization measures: -</p> <ul style="list-style-type: none"> • Mastering and control of quantities of active ingredients to minimize waste. • Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. • Use of automated filling to minimize spillage. • Use of "Close Feed" system into batch reactors. • Venting equipment through vapour recovery system. • Use of high-pressure hoses for equipment clearing to reduce wastewater generation. | <p>Complied. The industry is taking following measures to minimize the waste:</p> <ul style="list-style-type: none"> • Having control of quantities of active ingredients and monitoring the yields to minimize waste. • Using distilled solvents as raw material in processes as substitutes and sending the by-products to authorized recyclers. • Closed filling into tanks/receivers and feeding system to batch reactors is in place. • Venting of vapours through dual stage condensers only. • Using high pressure jet pumps with hose pipes for cleaning of equipment thereby reducing wastewater generation. |
| VII | <p>Fugitive emissions in the work zone environment. Product and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by SPCB. Vent condensers shall be provided to reactors, distillation columns, dryer and centrifuge etc. to reduce fugitive emissions from reactors, centrifuge, dryer, filter press etc.</p> | <p>Complying. Industry is taking all possible measures to control fugitive emissions as mentioned below:</p> <ul style="list-style-type: none"> ➤ Vent Condensers/Nitrogen blanketing is provided to all solvent storage tanks. ➤ All low boiling solvents are provided with insulation. ➤ Solvents/Chemicals pumping is done through closed conveyance. ➤ Dual stage condensers are provided to the vents of reactors/distillation columns etc. ➤ Dual stage scrubbers are installed for the vents of reactors where acidic reactions are being carried. ➤ The industry has eliminated more than 90% of Centrifuges & Tray driers with Agitated Nutch Filters & Driers (ANFDs) to reduce fugitive emissions and also for the safety of the plant & personnel. <p>Workplace monitoring is being carried through portable instruments.</p> |

HETERO LABS LIMITED UNIT-III

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| VIII | <p>Total water requirement forms the ground water or Yeluru Left Bank Canal (YLBC) Shall NOT EXCEED 238 m³/day and prior permission from the SGWB/CGWB/IWSCO shall be obtained. Use of maximum canal water should be ensured as mentioned in the 'Consent for Establishment' accorded by the APPCB instead of using ground water. The effluent shall be segregated into high TDS and low TDS streams. All the high TDS x high COD effluent shall be forced evaporated in Multi-Effect Evaporator (MEE) system and resultant solid from MEE shall be sent to TSDF, Vizag. The low TDS x low COD effluent shall be treated in ETP. All the effluent generated by the four drug units to be set up by the Hetero Group in the nearby area shall be treated in the Common Effluent Treatment Plant (CETP) and treated effluent shall be discharged at the point recommended by the National Institute of Oceanography into the Sea after meeting the marine disposal standards as per guidelines of APPCB. Effort shall be made to recycle and reuse maximum treated wastewater in the process. The domestic wastewater shall be sent to the septic tank followed by the soak pit and used for green belt development.</p> | <p>Complied.</p> <p>The industry is not drawing Ground water or YLBC water and the total water requirement of the plant is being met through Sea water Desalination plant of M/s Hetero Infrastructure SEZ Ltd. The industry has obtained CTE/CTO accordingly.</p> <p>Effluents of the units are being segregated as HTDS & LTDS streams and treated in CETP of M/s Hetero Infrastructure SEZ Ltd. Comprises of stripper, MEE & ATFD and the condensate of MEE&ATFD is subjected to biological treatment along with LTDS/LCOD effluents.</p> <p>The treated effluent is being discharged into Sea in the presence of APPCB officials after meeting the standards through marine outfall recommended by the NIO.</p> <p>The domestic wastewater is being treated in the Sewage Treatment Plant installed in the premises of M/s Hetero Infrastructure SEZ Ltd and treated wastewater is being recycled for greenbelt development & Gardening purposes.</p> |
| IX | <p>The solid waste generated in the form of organic solvent residue, inorganic salts from MEE, ETP sludge shall be disposed off into TSDF at Visakhapatnam. The fly ash and bottom ash generated from the boiler shall be sold to brick manufacturers. Waste/Used oil and used batteries shall be sold to authorized recyclers / preprocessors. The solvent from mother liquor shall be recovered and reused in the plant operations. All the high TDS x high COD effluent and sold from MEE shall be incinerated in the incinerator installed at the TSDF, Vizag and no independent incinerator shall be installed.</p> | <p>Complied.</p> <p>The solid waste generated in the form of organic solvent residue is being disposed to either Cement industries for Incineration/ Alternate fuel or to the pre-processors approved by the APPCB.</p> <p>Inorganic salts from MEE, ETP sludge are being disposed of at TSDF for secured landfilling.</p> <p>There is no boiler in the units as all the boilers are installed in the premises of M/s Hetero Infrastructure SEZ Ltd. and required steam for the plant is being met from the boilers installed in Hetero Infrastructure SEZ Ltd. The fly ash and bottom ash generated from the boiler is being sent to brick manufacturers.</p> <p>Waste/Used oil is being sent to authorized recyclers / preprocessors and used batteries are being disposed to authorized distributors/manufacturers on Buyback basis</p> |

HETERO LABS LIMITED UNIT-III

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| | | The solvent from mother liquor is being recovered and reused in the plant operations. Fractions or mixed solvents are being sold out to authorized recyclers as per the Consent issued by APPCB. |
| X | The Company shall adopt surface as well as roof top rainwater harvesting measures to harvest the runoff water for recharge of ground water. Methods shall also be adopted for the conservation of water through recycling and reusing the treated wastewater. | Complied. The industry is collecting rainwater in the ponds within the premises of the industry for recharging the ground water in the area. The treated Domestic wastewater is being used for greenbelt development and gardening purposes. Treated wastewater is partially reused for Cooling Towers installed in ETP area. |
| XI | Green belt shall be provided in an area of 11.76 ha. Out of total 24 ha. to mitigate the effect of fugitive emissions all around the plant. Development of green belt shall be as per the Central Pollution Control Board guidelines. | Complied. The industry has developed green belt in area of 30 acres which is more than the prescribed and still going on. |
| XII | Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. | Complied. The industry is Conducting pre-employment and post-employment medical check-ups to all the employees at regular intervals. The records of medical examinations are being maintained as per the Factories Act 1948. |
| XIII | The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-developmental plan shall be submitted to the APPCB within three months of receipt of this letter for approval. | Complied. The industry is undertaking all eco-developmental activities for the welfare of the community. Copies of CSR activities carried by the industry are being submitted to IRO, MoEF&CC along with six monthly compliance Reports. |

B. General Conditions

| S.NO | Description of Condition | Compliance Status |
|------|---|---|
| I. | The project authorities shall strictly adhere to the stipulations made by the Andhra Pradesh Pollution Board. | Complied. The industry is complying with all the stipulated conditions mentioned in the CTO issued by APPCB. |
| II. | At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved | Complied. The industry is taking all precautions to maintain the emissions well within the norms prescribed and emissions are not exceeding the norms prescribed. Regular monitoring of emissions is being carried by the industry. The industry is putting out all operations of the unit if any failure in the pollution control system. |

HETERO LABS LIMITED UNIT-III

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| III. | No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alternations in the project proposal form those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any. | <p>Complied.</p> <p>The industry won't carry out any expansions or modifications without the prior approval of MoEF&CC.</p> |
| IV. | The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and import of Hazardous Chemicals Rules, 1989 as amended in October 1994 and January 2000. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes. | <p>Complied.</p> <p>The industry is complying with all the rules and regulations under Manufacture, Storage and import of Hazardous Chemicals Rules, 1989 as amended in October 1994 and January 2000. Authorization from the SPCB has been obtained for collection, treatment, storage, and disposal of hazardous wastes.</p> |
| V. | The project authorities strictly comply with the rules and regulations with regard to handling and disposal of hazards wastes in accordance with the Hazardous Wastes (Management and Hazardous) Rules, 2003. Authorization from the A.P.Pollution Control Board must be obtained for collections / treatment/storage/disposal of hazardous wastes. | <p>Complied.</p> <p>The industry is complying with the rules and regulations with regard to handling and disposal of hazards wastes in accordance with the Hazardous Waste (Management, Handling and Transboundary) Rules, 2016. Authorization from the A.P.Pollution Control Board has been obtained for collections / treatment/ storage/ disposal of hazardous wastes</p> |
| VI. | The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, Rules, 1989 viz, dBA (day time) and 70 bBA (night time). | <p>Complied</p> <p>The industry is monitoring Noise levels regularly inhouse by using portable instruments and through third party (Approved by MoEF&CC) once in a month and records are being maintained. Reports are being submitted to IRO, MoEF&CC along with six monthly compliance Reports.</p> |
| VII. | A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. | <p>Complied.</p> <p>The industry is having dedicated Environmental Management Cell with laboratory facilities to carry out the Environmental Management and monitoring functions.</p> |
| VIII. | As proposed in EIA/EMP, Rs. 3.09 Cores and Rs.1.00 Cores/annum earmarked towards capital cost and recurring cost / annum for environmental pollution control measures shall be judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implemented schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose. | <p>Complied.</p> <p>The industry has already invested Rs.180.0 Crores as capital investment for pollution control devices and incurring Rs. 20.00 Crores as recurring expenditure per annum in the premises of M/s Hetero Infrastructure SEZ Pvt Ltd.</p> |

HETERO LABS LIMITED UNIT-III

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| IX. | The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's Regional Office at Bangalore /SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies. | Complied by the industry. A six-monthly compliance status report is being submitted to IRO, MoEF&CC through email: ecompliance-ap@gov.in |
| X. | The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project. | Not Applicable. Own Funds are being utilized for the project. |
| XI. | The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of started of the project. | Not Applicable. |

For Hetero Labs Ltd, Unit-III



S. Kullayi Reddy
Associate Vice President -EHS



SV ENVIRO LABS & RESEARCH PRIVATE LIMITED

formerly known as SV ENVIRO LABS & CONSULTANTS
Researching for better Environmental Solutions



Ref: SV/HLL3/26-04/01

Date: 23-04-2026

NAME AND ADDRESS : M/s. HETERO LABS LIMITED (UNIT-III),
Nallamatipalem Village,
Nakkapally Mandal,
Visakhapatnam District.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : Near Canteen Area

DATE & TIME OF START : 14-04-2026@ 12:30 hr

DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

| S.No | PARAMETER | UNIT | RESULT | NAAQ STANDARDS | METHOD |
|------|--|--------------------------|--------|----------------|---|
| 1. | Particulate Matter(Size<10 μ) or PM ₁₀ | $\mu\text{g}/\text{m}^3$ | 59.7 | 100 | IS:5182 (P-23) Gravimetric |
| 2. | Particulate Matter(Size<2.5 μ) or PM _{2.5} | $\mu\text{g}/\text{m}^3$ | 20.4 | 60 | IS:5182 (P-24) Gravimetric |
| 3. | Sulphur Dioxide - SO ₂ | $\mu\text{g}/\text{m}^3$ | 12.8 | 80 | IS:5182 (P-2)- West and Geake Method |
| 4. | Oxides of Nitrogen - NO _x | $\mu\text{g}/\text{m}^3$ | 10.5 | 80 | IS:5182(P-6) - Jacob & Hochheiser Method |

CHECKED BY 




AUTHORIZED SIGNATORY

Corporate Office and Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam - 530012
Hyderabad Office: #402, SaiKrishna Villa, Behind CMR Shopping Mall, AS Raju Nagar, Kukatpally, Hyderabad - 500072

Website: www.svenvirolabs.com

E-Mails : info@svenvirolabs.com, svenviro_labs@yahoo.co.in

Contacts

0891-2755528, +91 7207664444

PAN: ABQCS0643F

CIN: U74909AP2025PTC119098





SV ENVIRO LABS & RESEARCH PRIVATE LIMITED

formerly known as SV ENVIRO LABS & CONSULTANTS
Researching for better Environmental Solutions



Ref: SV/HLL3/26-04/02

Date: 23-04-2026

NAME AND ADDRESS : **M/s. HETERO LABS LIMITED (UNIT-III),**
Nallamatipalem Village,
Nakkapally Mandal,
Visakhapatnam District.

SAMPLE PARTICULARS : **AMBIENT AIR QUALITY**

SOURCE OF COLLECTION : Near Production Area (Block-A)

DATE & TIME OF START : 14-04-2026@ 12:45 hr

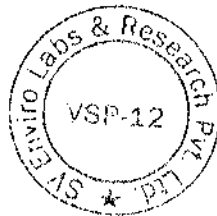
DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

| S.No | PARAMETER | UNIT | RESULT | NAAQ STANDARDS | METHOD |
|------|--|--------------------------|--------|----------------|---|
| 1. | Particulate Matter(Size<10 μ) or PM ₁₀ | $\mu\text{g}/\text{m}^3$ | 57.5 | 100 | IS:5182 (P-23) Gravimetric |
| 2. | Particulate Matter(Size<2.5 μ) or PM _{2.5} | $\mu\text{g}/\text{m}^3$ | 23.1 | 60 | IS:5182 (P-24) Gravimetric |
| 3. | Sulphur Dioxide – SO ₂ | $\mu\text{g}/\text{m}^3$ | 14.4 | 80 | IS:5182 (P-2)- West and Geake Method |
| 4. | Oxides of Nitrogen - NO _x | $\mu\text{g}/\text{m}^3$ | 11.6 | 80 | IS:5182(P-6) - Jacob & Hochheiser Method |

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JR
AUTHORIZED SIGNATORY

Corporate Office and Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam - 530012
Hyderabad Office: #402, SaiKrishna Villa, Behind CMR Shopping Mall, AS Raju Nagar, Kukatpally, Hyderabad - 500072

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CIN: U74909AP2025PTC119098





SV ENVIRO LABS & RESEARCH PRIVATE LIMITED

formerly known as SV ENVIRO LABS & CONSULTANTS
Researching for better Environmental Solutions



Ref: SV/HLL3/26-04/03

Date: 23-04-2026

NAME AND ADDRESS : M/s. HETERO LABS LIMITED (UNIT-III),
Nallamatipalem Village,
Nakkapally Mandal,
Visakhapatnam District.

SAMPLE PARTICULARS : AMBIENT AIR QUALITY

SOURCE OF COLLECTION : Near Production Block

DATE & TIME OF START : 14-04-2026@ 13:00 hr

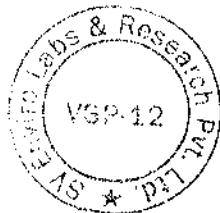
DURATION OF SAMPLING : 24 Hours

ATMOSPHERE CONDITION : Clear Sky

TEST REPORT

| S.No | PARAMETER | UNIT | RESULT | NAAQ STANDARDS | METHOD |
|------|--|--------------------------|--------|----------------|---|
| 1. | Particulate Matter(Size<10 μ) or PM ₁₀ | $\mu\text{g}/\text{m}^3$ | 64.6 | 100 | IS:5182 (P-23) Gravimetric |
| 2. | Particulate Matter(Size<2.5 μ) or PM _{2.5} | $\mu\text{g}/\text{m}^3$ | 26.1 | 60 | IS:5182 (P-24) Gravimetric |
| 3. | Sulphur Dioxide – SO ₂ | $\mu\text{g}/\text{m}^3$ | 16.7 | 80 | IS:5182 (P-2)- West and Geake Method |
| 4. | Oxides of Nitrogen - NO _x | $\mu\text{g}/\text{m}^3$ | 14.2 | 80 | IS:5182(P-6) - Jacob & Hochheiser Method |

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AUTHORIZED SIGNATORY

Corporate Office and Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam - 530012
Hyderabad Office: #402, SaiKrishna Villa, Behind CMR Shopping Mall, AS Raju Nagar, Kukatpally, Hyderabad - 500072

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E-Mails : info@svenviolabs.com, svenviro_labs@yahoo.co.in

Contacts

0891-2755528, +91 7207664444

PAN: ABCQS0643F

CIN: U74909AP2025PTC119098



**HETERO LABS LIMITED, UNIT-III
SCBUBBERS LIST**

ALL BLOCKS SCBUBBERS DETAILS

| S.N O | BLOCK | SCB No | DESCRIPTION | | | Receiver CAP (KL) | ON LINE P ^H METER | Number of Stages | |
|-------------|-------------|-------------|-------------|-------------|----------|----------------------|------------------------------------|---------------------|--------------|
| | | | CFM | MOC | | | | | |
| 1 | Cluster-4 | PB1 | PB1/SCB-001 | Ø2000*6.1M | PPFRP | 5 | yes | Double Stage | |
| | | | PB1/SCB-002 | Ø2000*6.1M | PPFRP | 5 | yes | | |
| 2 | | | PB1/SCB-003 | Ø2000*6. M | PPFRP | 5 | YES | Double Stage | |
| | | | PB1/SCB-004 | Ø2000*6 M | | 5 | YES | | |
| 3 | | | PB1/SCB-005 | Ø2000*6 M | PPFRP | 2 | YES | Double Stage | |
| | | | PB1/SCB-006 | Ø2000*6 M | PP/FRP | 2 | yes | | |
| 4 | | PB2 | PB2/SCB-001 | Ø 2000*6.1M | PPFRP | 5 | YES | Double Stage | |
| | | | PB2/SCB-002 | Ø 2000*6.1M | PPFRP | 5 | | | |
| 5 | | PB3 | PB3/SCB-001 | Ø 2000*6.1M | PPFRP | 5 | YES | Double Stage | |
| | | | PB3/SCB-002 | Ø 2000*6.1M | | | | | |
| 6 | | | PB3/SCB-003 | Ø 2000*6.1M | PPFRP | 5 | | Double Stage | |
| | | | PB3/SCB-004 | | PP/FRP | 5 | | | |
| 7 | PB3/SCB-005 | | Ø 1000*6.1M | PP/FRP | | Double Stage | | | |
| | PB3/SCB-006 | | | HDPE | 5 | | | | |
| 8 | PB4 | | PB3/SCB-005 | Ø 1000*6.1M | | 5 | | | |
| | | | PB4/SCB-001 | Ø2000*6.M | PP/FRP | 5 | | YES | Double Stage |
| PB4/SCB-001 | | Ø2000*6.M | PP/FRP | 5 | YES | | | | |
| 9 | | PB4/SCB-002 | Ø800*6.1M | HDPE | 2 | NO | Double Stage | | |
| | PB4/SCB-003 | Ø800*6.1M | HDPE | 2 | NO | | | | |
| 10 | Cluster-1 | C | C/SCB-01 | Ø800*6M | HDPE | 3 | YES | Double Stage | |
| | | | C/SCB-02 | Ø800*3M | HDPE | 3 | | | |
| 11 | | C | C/SCB-04 | Ø1000*8M | HDPE | 3 | YES | Double Stage | |
| | | | C/SCB-05 | Ø1000*6M | HDPE | 3 | YES | | |
| 12 | | H | H/SCB-01 | Ø1000*8M | HDPE | 2 | YES | Double Stage | |
| | | | H/SCB-02 | Ø1000*8M | HDPE | 2 | | | |
| 13 | | H | H/SCB-03 | Ø1000*6M | HDPE | 2 | YES | Double Stage | |
| | | | H/SCB-04 | Ø1000*6M | HDPE | 2 | | | |
| 14 | | G | G/SCB-01 | Ø1000*6M | HDPE | 2 | YES | Double Stage | |
| | | | G/SCB-02 | Ø1000*6M | HDPE | 2 | YES | | |
| 15 | | G | G/SCB-03 | Ø1000*6M | HDPE | 2 | YES | Double Stage | |
| | | | G/SCB-04 | Ø1000*8M | HDPE | 2 | YES | | |
| 16 | | Cluster-2 | L | L/SCB-01 | Ø1000*8M | HDPE | 2 | YES | Double Stage |
| | | | | L/SCB-01 | Ø1000*8M | HDPE | 2 | | |
| 17 | | | L | L/SCB-02 | Ø1000*6M | HDPE | 3 | YES | Double Stage |
| | | | | L/SCB-02 | Ø1000*6M | HDPE | 3 | | |
| 18 | L | | L/SCB-03 | Ø1000*6M | HDPE | 5 | YES | Double Stage | |
| | | | L/SCB-03 | Ø1000*6M | HDPE | 5 | | | |
| 19 | L | | L/SCB-04 | Ø900*6M | HDPE | 2 | YES | Double Stage | |
| | | | L/SCB-04 | Ø900*6M | HDPE | 2 | | | |
| 20 | K | K/SCB-01 | Ø1000*6M | HDPE | 2 | YES | Double Stage | | |

| | | | | | | | | |
|----|--------------------|-----------------|-------------|-------------|------|-----|--------------|--------------|
| | | | K/SCB-02 | Ø1000*6M | HDPE | 2 | | Double Stage |
| | | | K/SCB-03 | Ø1000*6M | HDPE | 2 | YES | Multistage |
| 21 | E | E/SCB-01 | Ø800*6M | PPFRP | 5 | YES | | |
| | | E/SCB-02 | Ø800*6M | | 5 | | | |
| | | E/SCB-03 | Ø800*6M | | 5 | | | |
| 22 | E | E/SCB-04 | Ø800*6M | HDPE | 2 | YES | Double stage | |
| | | E/SCB-05 | Ø800*6M | HDPE | 2 | YES | | |
| 23 | J | J/SCB-01 | Ø1000*6M | HDPE | 2 | YES | Double stage | |
| | | J/SCB-01 | Ø1000*6M | HDPE | 2 | | | |
| 24 | J | J/SCB-02 | Ø1000*6M | HDPE | 2 | YES | Multi stage | |
| | | J/SCB-03 | Ø1000*6M | | 2 | | | |
| | | J/SCB-04 | Ø1000*6M | | 2 | | | |
| 25 | Cluster-3 | P | P/SCB-01 | Ø800*6M | PP | 2 | YES | Double Stage |
| | | P | P/SCB-02 | Ø800*6M | HDPE | 3 | | |
| 26 | | I | I/SCB-01 | Ø1000*6M | HDPE | 2 | YES | Multistage |
| | | | I/SCB-02 | Ø1000*6M | | 2 | | |
| | | | I/SCB-03 | Ø1000*6M | | 2 | | |
| 27 | | I | I/SCB-04 | Ø2000*6M | HDPE | 2 | YES | Double Stage |
| | | | I/SCB-05 | Ø2000*6M | | 2 | | |
| 28 | | I | I/SCB-07 | Ø1000*6M | HDPE | 2 | YES | Double Stage |
| | | | I/SCB-08 | Ø1000*6M | | 2 | | |
| 29 | | I | I/SCB-09 | Ø1000*6M | HDPE | 2 | YES | Double Stage |
| | | | I/SCB-10 | Ø1000*6M | | 2 | | |
| 30 | | I | I/SCB-11 | Ø1000*6M | HDPE | 2 | YES | Double Stage |
| | I/SCB-12 | | Ø1000*6M | 2 | | | | |
| 31 | IDS | IDS/SCB01 | Ø250*1M | PPFRP | 1 | No | Double Stage | |
| | | IDS/SCB02 | | | | | | |
| 32 | N-Block | N/SCB-001 | Ø 2000*6.1M | HDPE | 3 | YES | Double Stage | |
| | | N/SCB-002 | Ø2000*6.1 M | HDPE | 3 | YES | | |
| 33 | | N/SCB-003 | Ø2000*6.1 M | HDPE | 3 | YES | Double Stage | |
| | | | N/SCB-004 | Ø2000*6.1 M | HDPE | 3 | | YES |
| 34 | Bromine plant | BRS/SCB-1 | Ø800*1M | HDPE | 2 | YES | Multi stage | |
| | | BRS/SCB-2 | Ø800*1M | HDPE | 2 | YES | | |
| | | BRS/SCB-2 | Ø800*1M | HDPE | 2 | YES | | |
| 35 | Dry Hcl Plant | Dry Hcl/SCB-01 | Ø1000*6M | HDPE | 2 | YES | Multistage | |
| | | Dry Hcl /SCB-02 | Ø1000*6M | | 2 | | | |
| | | Dry Hcl /SCB-03 | Ø1000*6M | | 2 | | | |
| 36 | Common Scrubber -1 | common/SCB/001 | Ø 2000*6.1M | HDPE | 3 | YES | Double Stage | |
| | | | Ø2000*6.1 M | HDPE | 3 | YES | | |
| 37 | Common Scrubber -2 | common/SCB/002 | Ø 2000*6.1M | HDPE | 3 | YES | Double Stage | |
| | | | Ø2000*6.1 M | HDPE | 3 | YES | | |
| 38 | Common Scrubber -3 | common/SCB/003 | Ø 2000*6.1M | HDPE | 3 | YES | Double Stage | |
| | | | Ø2000*6.1 M | HDPE | 3 | YES | | |
| 39 | Common Scrubber -4 | common/SCB/003 | Ø 2000*6.1M | HDPE | 3 | YES | Double Stage | |
| | | | Ø2000*6.1 M | HDPE | 3 | YES | | |



Real Time Data Acquisition And Monitoring

ANNEXURE-IV

Site Name: Hetero Infrastructre SEZ Ltd

Report: Custom Report

From Date: 2026/05/01 00:00:00 To Date : 2026/05/20 15:57:26

| Description | AAQMS_2_Near_South_Gate-PM10 - (ug/m3) Raw | AAQMS_2_Near_South_Gate-PM2.5 - (ug/m3) Raw | AAQMS_2_Near_South_Gate-SO2 - (ug/m3) Raw | AAQMS_2_Near_South_Gate-NOx - (ug/m3) Raw | AAQMS_2_Near_South_Gate-CO - (mg/m3) Raw | AAQMS_2_Near_South_Gate-VOC - (ug/m3) Raw |
|-----------------------|--|---|---|---|--|---|
| Prescribed Standards | 0 - 100 | 0 - 60 | 0 - 80 | 0 - 80 | 0 - 4 | 0 - 100 |
| Maximum Data | 72.96 | 12.56 | 62.36 | 4.7 | 0.13 | 0.44 |
| Minimum Data | 4.33 | 2.01 | 37.46 | 4.39 | 0.01 | 0.08 |
| Geometric Mean | 12.05 | 4.74 | 48.71 | 4.56 | 0.06 | 0.28 |
| Median | 7.52 | 4.16 | 47.5 | 4.57 | 0.06 | 0.29 |
| Standard Deviation | 15.02 | 2.32 | 7.3 | 0.08 | 0.03 | 0.11 |
| Maximum Value At Time | 2026-05-16 | 2026-05-20 | 2026-05-20 | 2026-05-03 | 2026-05-20 | 2026-05-01 |
| Minimum Value At Time | 2026-05-02 | 2026-05-16 | 2026-05-03 | 2026-05-20 | 2026-05-03 | 2026-05-02 |
| Valid Data Points | 20 | 20 | 20 | 20 | 20 | 20 |
| Total Data Points | 20 | 20 | 20 | 20 | 20 | 20 |
| Data Availability % | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

| Sl No | Time | AAQMS_2_Near_South_Gate-PM10 - (ug/m3) Raw | AAQMS_2_Near_South_Gate-PM2.5 - (ug/m3) Raw | AAQMS_2_Near_South_Gate-SO2 - (ug/m3) Raw | AAQMS_2_Near_South_Gate-NOx - (ug/m3) Raw | AAQMS_2_Near_South_Gate-CO - (mg/m3) Raw | AAQMS_2_Near_South_Gate-VOC - (ug/m3) Raw |
|-------|------------|--|---|---|---|--|---|
| 1 | 2026-05-01 | 13.47 | 3.40 | 44.89 | 4.63 | 0.04 | 0.44 |
| 2 | 2026-05-02 | 4.33 | 3.19 | 40.26 | 4.63 | 0.05 | 0.08 |
| 3 | 2026-05-03 | 7.33 | 5.05 | 37.46 | 4.70 | 0.01 | 0.24 |
| 4 | 2026-05-04 | 9.98 | 7.21 | 37.98 | 4.64 | 0.07 | 0.28 |
| 5 | 2026-05-05 | 9.57 | 5.32 | 48.30 | 4.53 | 0.09 | 0.25 |
| 6 | 2026-05-06 | 9.86 | 5.74 | 58.39 | 4.49 | 0.11 | 0.13 |
| 7 | 2026-05-07 | 7.72 | 4.76 | 61.75 | 4.42 | 0.09 | 0.32 |
| 8 | 2026-05-08 | 7.20 | 4.20 | 56.25 | 4.51 | 0.05 | 0.40 |
| 9 | 2026-05-09 | 5.20 | 3.10 | 48.75 | 4.56 | 0.02 | 0.44 |
| 10 | 2026-05-10 | 8.02 | 4.30 | 49.75 | 4.54 | 0.04 | 0.27 |
| 11 | 2026-05-11 | 5.16 | 3.12 | 53.82 | 4.47 | 0.07 | 0.34 |
| 12 | 2026-05-12 | 7.33 | 3.66 | 45.11 | 4.59 | 0.05 | 0.20 |
| 13 | 2026-05-13 | 6.87 | 3.87 | 45.28 | 4.61 | 0.05 | 0.28 |
| 14 | 2026-05-14 | 5.65 | 4.13 | 43.87 | 4.63 | 0.05 | 0.35 |
| 15 | 2026-05-15 | 4.34 | 2.70 | 43.79 | 4.63 | 0.06 | 0.29 |
| 16 | 2026-05-16 | 72.96 | 2.01 | 43.89 | 4.59 | 0.06 | 0.17 |
| 17 | 2026-05-17 | 20.30 | 3.73 | 46.70 | 4.63 | 0.04 | 0.39 |
| 18 | 2026-05-18 | 7.00 | 4.96 | 49.78 | 4.56 | 0.06 | 0.32 |
| 19 | 2026-05-19 | 8.37 | 7.74 | 55.82 | 4.48 | 0.07 | 0.36 |
| 20 | 2026-05-20 | 20.34 | 12.56 | 62.36 | 4.39 | 0.13 | 0.10 |

Report Details: HETERO | 2026-05-20 16:03:13 | Custom Report

Photographs of Diesel Generator sets in the plant





SV ENVIRO LABS & RESEARCH PRIVATE LIMITED

formerly known as SV ENVIRO LABS & CONSULTANTS
Researching for better Environmental Solutions

ANNEXURE-VI



Ref: SV/HISEZL/26-04/01

Date: 23-04-2026

NAME AND ADDRESS : M/s. HETERO INFRASTRUCTURE SEZ LIMITED,
N.Narasapuram Village,
Nakkapally Mandal,
Visakhapatnam District.

SAMPLE PARTICULARS : EFFLUENT ANALYSIS

SOURCE OF COLLECTION : ETP OUTLET

DATE & TIME OF COLLECTION : 14-04-2026

DATE OF RECEIPT : 14-04-2026

TEST REPORT

| S NO | PARAMETER | UNIT | RESULT | STANDARD | METHOD (APHA 24 th Ed, 2023) |
|------|--|------|--------|--|--|
| 1. | pH | - | 6.98 | 6.0-9.0 | APHA,4500-H+B |
| 2. | Chemical Oxygen Demand – COD | mg/l | 90.0 | 250 | APHA,5220-B |
| 3. | Bio-Chemical Oxygen Demand– BOD (3 days incubation at 27°C) | mg/l | 26.0 | 100 | IS 3025 Part 44 |
| 4. | Total Suspended Solids (TSS) | mg/l | 53.0 | 100 | APHA,2540-D |
| 5. | Temperature | °C | 21.6 | Shall not exceed more than 5°C above ambient water | APHA,2550-B |
| 6. | Oil & Grease | mg/l | <1.0 | 10.0 | APHA,5520-D |
| 7. | Ammonical Nitrogen | mg/l | 14.3 | 50.0 | APHA,4500-NH ₃ |
| 8. | Total Kjeldahl Nitrogen (TNK) | mg/l | 32.4 | 50.0 | APHA,4500-Norg B. |
| 9. | Nitrate –Nitrogen | mg/l | 4.68 | 50.0 | APHA,4500 NO ₃ -C |
| 10. | Phosphates as P | mg/l | 3.92 | 5.0 | APHA,4500-P E |
| 11. | Fluoride as F | mg/l | 1.33 | 15.0 | APHA,4500-S ² |
| 12. | Sulphide as S | mg/l | <0.1 | 2.0 | APHA,4500S ² D |
| 13. | Phenolic compounds (C ₆ H ₅ OH) | mg/l | <0.001 | 5.0 | APHA,5530-C |
| 14. | Total Residual Chlorine | mg/l | <0.1 | 1.0 | APHA,4500-CL |
| 15. | Zinc as Zn | mg/l | 0.18 | 15.0 | APHA,3120-B |
| 16. | Iron | mg/l | <0.02 | 3.0 | APHA,3500-FE |
| 17. | Copper as Cu | mg/l | <0.02 | 3.0 | APHA,3120-B |
| 18. | Trivalent Chromium | mg/l | <0.02 | 2.0 | APHA,3120-B |
| 19. | Manganese as Mn | mg/l | <0.02 | 2.0 | APHA,3120-B |
| 20. | Nickel as Ni | mg/l | <0.02 | 3.0 | APHA,3120-B |
| 21. | Arsenic as As | mg/l | <0.02 | 0.2 | APHA,3120-B |
| 22. | Vanadium | mg/l | <0.02 | 0.2 | APHA,3120-B |
| 23. | Lead as Pb | mg/l | <0.02 | 0.1 | APHA,3120-B |

Corporate Office and Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam - 530012

Hyderabad Office: #402, SaiKrishna Villa, Behind GMR Shopping Mall, AS Raju Nagar, Kukatpally, Hyderabad - 500072

Website: www.svenvirolabs.com

E-Mails : info@svenvirolabs.com, svenviro_labs@yahoo.co.in

Contacts

0891-2755528, +91 7207664444

PAN: ABQCS0643F

CIN: U74909AP2025PTC119098





SV ENVIRO LABS & RESEARCH PRIVATE LIMITED

formerly known as SV ENVIRO LABS & CONSULTANTS
Researching for better Environmental Solutions



| | | | | | |
|-----|---|------|-------|------|----------------|
| 24. | Hexavalent chromium as Cr ⁺⁶ | mg/l | <0.1 | 0.1 | APHA,3500-Cr B |
| 25. | Selenium as Se | mg/l | <0.02 | 0.05 | APHA,3120-B |
| 26. | Cadmium as Cd | mg/l | <0.02 | 0.05 | APHA,3120-B |
| 27. | Mercury as Hg | mg/l | <0.02 | 0.01 | APHA,3120-B |

[Signature]
CHECKED BY



[Signature]
AUTHORIZED SIGNATORY

Recognized by GOI - MoEFCC, Accredited by NABL & NABET

Corporate Office and Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam - 530012
Hyderabad Office: #402, SaiKrishna Villa, Behind CMR Shopping Mall, AS Raju Nagar, Kukatpally, Hyderabad - 500072

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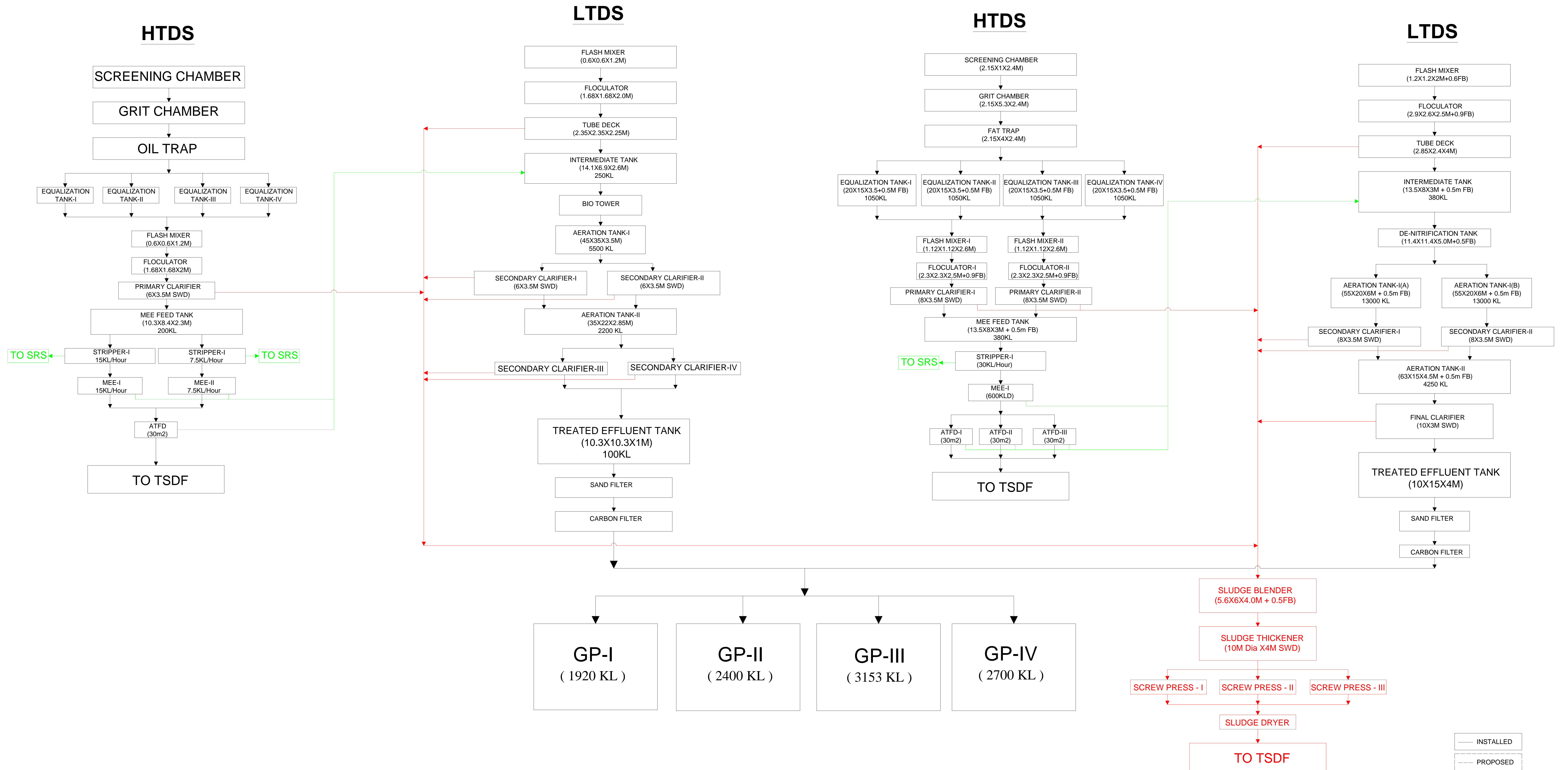




HETERO INFRASTRUCTURE SEZ LIMITED

EXISTING ETP - 550KLD

1 MLD NEW ETP



Online Effluent Monitoring System



← Online pH Meter



← TOC Analyzer



← Online TSS Meter



← Marine Flow Meter

HAZARDOUS WASTE AND MODE OF DISPOSAL

Hazardous wastes are being disposed as per the conditions stipulated by APPCB in the CTO. Minimum stocks are being maintained in the Hazardous waste storage yard.

Hazardous waste and mode of disposal specified by the APPCB in CTO is mentioned below:

| S.No | Details of waste | Mode of Disposal |
|-------------|--|--|
| 1 | Process Solid waste | To TSDF, Parawada, Anakapalli Dist. For secured Land filling |
| 2 | MEE/ Forced Evaporation Salt | |
| 3 | Incineration Ash | |
| 4 | ETP Sludge | |
| 5 | Solvent Residue/Organic Residue | Shall be incinerated to sent to Cement industries for Co-incineration/Coprocessing/ Pre-processing units |
| 6 | Spent Carbon | |
| 7 | Damage or Rejected APIs/products | |
| 8 | Damaged or Expired Raw materials | |
| 9 | Used PPEs | Shall be incinerated in in-house incinerator or sent to Cement industries for incineration |
| 10 | Used Oils | To Re-processing units authorized by APPCB |
| 11 | Used Batteries | Shall be sent to suppliers on buy back basis |
| 12 | e-Waste/ electrical waste | Sent to Authorized Recyclers approved by APPCB/CPCB. |
| 13 | Empty Drums/ Containers/ Liners contaminated with Hazardous chemicals/waste | To outside agencies after complete detoxification. |
| 14 | Empty barrels / containers / liners contaminated with hazardous chemicals / wastes | |
| 15 | LDPE Paper | To authorized Recyclers/ outside agencies |
| 16 | Coal Ash from Boilers | To Brick manufacturing units |
| 17 | Spent Solvents | Shall be recycled within the units of Hetero Infrastructure SEZ Ltd or sold to outside agencies |
| 18 | Recovered Solvents | |



**ANDHRA PRADESH POLLUTION CONTROL
BOARD**

Dr. YSR. Paryavaran Bhavan, APIIC Colony Road,
Gurunanak Colony, Autonagar, Vijayawada- 520007

Website: <https://pcb.ap.gov.in/>



CONSENT TO OPERATE & HAZARDOUS WASTE AUTHORISATION ORDER

Consent Order No: APPCB/VSP/VSP/137/HO/CTO/2024 Dt: 19-01-2025

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation under Rule 6 of the Hazardous & Other Wastes (Management and Transboundary, Movement) Rules, 2016 and the rules and orders made there under (hereinafter referred to as 'the Acts', 'the Rules') to:

**M/s. Hetero Labs Ltd., Unit – III, (Change of product mix)
R. Sy. No.119, 126, 150, 120, 125 (P),
138 (P), 150 (P), 151/1, 151/2 (P), 158/1 N.
Narsapuram (V), Nakkapalli (M),
Anakapalli District
E-mail: KullayiReddy.S@hetero.com**

(Hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of emissions per hour from the chimneys as detailed below:

i. Outlets for discharge of effluents:

| Outlet No. | Outlet Description | Max Daily Discharge KLD | Point of Disposal |
|------------|---|-------------------------|--|
| 1. | High TDS & High COD: Process & washings | 616.21 | Shall be treated in Stripper, MEE & ATFD at CETP, M/s. Hetero Infrastructure, SEZ (New ETP) for treatment |
| 2. | Low TDS & Low COD: Cooling tower blow down – 32 KLD | 120 | Shall be sent to biological ETP of M/s. Hetero Infrastructure Ltd., Hetero SEZ (New ETP) for further treatment and disposal. |
| 3. | Domestic effluents | 120 | Shall be sent to Common STP located at M/s. Hetero Infrastructure Ltd., SEZ for further treatment and the treated wastewater shall be used for green belt development. |
| | Total | 856.21 KLD | |

ii. Emissions from chimneys:

| Chimney No. | Description of Chimney | Quantity of Emissions at peak flow |
|-------------|----------------------------------|------------------------------------|
| 1. | Attached to 2 X 2030 KVA DG Sets | --- |
| 2. | Attached to 2 X 1165 KVA DG Sets | --- |
| 3. | Attached to Process emissions | --- |

The industry shall draw steam from M/s Hetero Infrastructure SEZ Ltd., and no boiler shall be established in this unit.

iii. Hazardous Waste Authorisation (Form – II) [See Rule 6 (2)]:

M/s. Hetero Labs Ltd., Unit – III, R. Sy. No.119, 126, 150, 120, 125 (P), 138 (P), 150 (P), 151/1, 151/2 (P), 158/1, N. Narsapuram (V), Nakkapalli (M), Anakapalli District is hereby granted an authorization to operate a facility for generation, collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

• Hazardous Waste with Disposal Option:

| S. No. | Name of the Hazardous Waste | Stream | Quantity | Mode of Disposal |
|--------|----------------------------------|--------------------|------------|---|
| 1 | Spent Carbon | 28.3 of Schedule-I | 9.47 TPD | Shall be sent to the Cement industries for usage as alternate fuel in the kiln (or) TSDF, Parwada, Visakhapatnam For incineration through M/s. APEMC. |
| 2 | Organic Residue | 28.1 of Schedule-I | 28.206 TPD | Shall be sent to the Cement industries for usage as alternate fuel in the kiln (or) TSDF, Parwada, Visakhapatnam Dist. For incineration through M/s. APEMC. |
| 3 | Process Inorganic Waste | 28.1 of Schedule-I | 10.113 TPD | Shall be sent to TSDF, Parwada, Visakhapatnam for secured land filling or shall be sent to Cement industries along with Other wastes through M/s. APEMC. |
| 5 | Expired or damaged Raw materials | 28.5 of Schedule-I | 0.2 TPD | Shall be sent to TSDF, Parwada, Visakhapatnam for secured land filling or shall be sent to Cement industries along with Other wastes for Co-processing depending on the characteristics of the material through M/s. APEMC. |

| | | | | |
|---|---|--------------------|---------|---|
| 6 | Damaged or Expired products (Intermediates/API) | 28.5 of Schedule-I | 0.2 TPD | Shall be sent to the Cement industries for usage as alternate fuel in the kiln along with Organic Residue (or) TSDF, Parwada Visakhapatnam Dist. For incineration through M/s. APEMC. |
| 7 | Used PPEs & Other General waste | 33.2 of Schedule-I | 0.5 TPD | Shall be sent to Cement Industries for incineration purpose or to be incinerated at the in-house dual Chamber Incinerator through M/s. APEMC. |

• **Hazardous Waste with Recycling Option**

| | | | | |
|---|---------------------------------|---------------------|---------------|--|
| 1 | Used / Waste Oils | 5.1 of Schedule-I | 1500 LPM | Shall be sent to Authorised Recyclers/ Re-processors approved by APPCB/CPCB through M/s. APEMC. |
| 2 | Spent Solvents | 28.6 of Schedule-I | 529.65 KLD | Shall be recycled within the premises or sold to Authorised Recyclers through M/s. APEMC. |
| 3 | Recovered Solvents | 28.6 of Schedule-I | 440 KLD | Shall be recycled within the premises or sold to Authorised Recyclers through M/s. APEMC. |
| 4 | Containers and Container Liners | 33.1 of Schedule-I | 5000 No/Month | After Complete detoxification shall be disposed to outside agencies through M/s. APEMC. |
| 5 | Lead Batteries | 17 of Schedule - IV | 20 No/Month | Shall be returned to dealers on buy back policy / authorized recyclers through M/s. APEMC as per Battery Waste Management Rules, 2022. |
| 6 | LDPE liner | 33.1 of Schedule-I | 500 Kg/day | After Complete detoxification shall be disposed to outside agencies through M/s. APEMC. |

The CTO Order No. APPCB/VSP/ CTO/HO/137/2017 dated 10.02.2023 & CTO Amendment Order No. APPCB/VSP/137/HO/CTO/2017 dated 28.04.2023 stands cancelled from the date of issue of this order.

This consent order is valid for manufacturing the following products along with quantities indicated only:

| S.No | Name of the Product | Quantity Kg/day | Name of Key Starting Raw material | KS Quan Kg/c |
|----------------------------------|---------------------|-----------------|---|--------------|
| GROUP-A: REGULAR PRODUCTS | | | | |
| 1 | Abacavir Sulphate | 333.33. | (1S,4R)-4-Amino-2-cyclopentane-1-methanol d-(1±)-tartaric acid salt | 190. |
| 2 | Abiraterone acetate | 66.67 | (3S,8R,9S,10R,13S,14S)-3- | |

| | | | | |
|----|---------------------------|---------|--|------|
| | | | hydroxy-10,13-dimethyl-1,2,3,4,7,8,9,10,11,12,13,14,15,16-tetradecahydro-17H-cyclopenta[a]phenanthren-17-one | 66.6 |
| 3 | Amlodipine Besylate | 100 | Corn (Phthalic anhydrite) | 84.6 |
| 4 | Atorvastatin Calcium | 333.33 | (4R-Cis)-1,1-Dimethylethyl-[6-Cyano-Methyl-2,2-Dimethyl-1,3-Dioxane]-4-Acetate | 185. |
| 5 | Capecitabine | 333.33 | (3aR,4R,6R,6aR)-6-Methoxy-2,2-dimethyl tetrahydrofuro[3,4-d][1,3]dioxo-4-yl) methyl methanesulfonate | 238. |
| 6 | Citalopram Hydrobromide | 66.67 | 4-[(4-Dimethylamino)-1-(4-fluorophenyl)-1-hydroxybutyl]-3-(hydroxymethyl)Benzonitrile | 266. |
| 7 | Citicoline sodium | 333.33 | Oxalic acid | 185. |
| 8 | Darunavir | 333.33 | Tert-butyl ((S)-1-((S)-oxiran-2-yl)-2-phenylethyl) carbamate | 266. |
| 9 | Dolutegravir Sodium | 500 | 1-(2,2-Dimethoxyethyl)-5-Methoxy-6-Methoxy carbonyl-4-Oxo-1H-pyridine-3-carboxylic | 500 |
| 10 | Domperidone IP | 333.33 | 5-chloro-1-(piperidin-4-yl)-1,3-dihydro-2H-benzimidazol-2-one | 229. |
| 11 | Etoricoxib | 66.67 | N,N-Dimethylformamide | 109. |
| 12 | Folic acid | 66.67 | 4-Nitrobenzoic acid | 55.6 |
| 13 | Fluconazole | 333.33 | (DFT) 1-(2,4-Difluoro phenyl)-2-(1H-1,2,4-Triazol-1-yl) ethanone | 434 |
| 14 | Gabapentin | 6666.67 | 2-Cyanoacetamide (CAM) | 277. |
| 15 | Gliclazide | 333.33 | Tetra hydrocyclopenta (c) pyrrole -1,3(2H,3aH)-dione | 350. |
| 16 | Hydralazine Hydrochloride | 333.33 | 1-Phthalazinone | 303. |
| 17 | Irbesartan | 166.67 | 2-Cyano-4'-Methyl biphenyl (OTBN) | 151. |
| 18 | Levetiracetam | 333.33 | Gamma butyrolactone | 246. |
| 19 | Losartan Potassium | 866.67 | Valeronitrile | 587. |
| 20 | Oseltamivir phosphate | 66.66 | Shikimic acid | 74.6 |
| 21 | Pantoprazole Sodium | 500 | 3-Hydroxy-2-Methyl-4H-pyran-4-one | 476. |
| 22 | Phthalazinone | 333.33 | Phthalamide | 392. |

| | | | | |
|----|---|---------|--|------|
| 23 | Phenyl Ephrine HCl | 166.67 | 3-Hydroxyacetophenone(HPE) | 111. |
| 24 | Pioglitazone Hydrochloride | 166.67 | 5-Ethyl-2 pyridine Ethanol | 111. |
| 25 | Quetiapine fumerate | 500 | Thiophenol | 192. |
| 26 | Relugolex | 100 | 2-((2,6-difluorobenzyl)ethoxycarbonyl)amino)-4-((dimethylamino)methyl)-5-(4-nitrophenyl)thiophene-3-carboxylic | 101 |
| 27 | Ritonavir | 100 | Isobutyramide | 121. |
| 28 | Rosuvastatin calcium | 100 | €-tert-butyl 2-(6-(2-(4-(4-fluorophenyl-6-isopropyl-2-(N-methylmetanes ulfonamido)pyrimidin-5-yl)vinyl)-2,2-dimethyl-1,3-dioxan-4-yl)acetate | 121. |
| 29 | Simvastatin | 66.67 | Lovastatin | 49.1 |
| 30 | Telmisartan | 333.33 | 3-methyl-4-nitrobenzoic acid | 300. |
| 31 | Tenofovir Disproxil fumerate | 666.67 | Adenine | 493. |
| 32 | Terbinafine HCL | 166.67 | N-Methyl-1--naphthalene methanamine | 119. |
| 33 | Tranexamic acid | 100 | 4-Chloro methyl benzoic acid | 117. |
| 34 | Valsartan | 333.33 | L-Valine | 263. |
| 35 | Voriconazole | 66.67 | 6-Ethyl-5-fluoro-4-hydroxy-pyrimidine | 70.5 |
| 36 | Zidovudine | 333.33 | Thymidine | 201. |
| 37 | Zonisamide | 66.67 | 4-hydroxycoumarin | 75.5 |
| 38 | (1S,4R)-4-AMINO-2-(cyclopentene-1-methanol hydrochloride (Balaji) (Intermediate of Abacavir Sulphate) | 500 | 2-azabicyclo[2,2,1]hept-5-en-3-one (Vinecelatam) | 434 |
| 39 | n-(2-amino-4,6-dichloro-pyrimidin-5yl)formamide(BALU) | 333.33 | 2,5-diaminopyrimidine-4,6-diol hydrochloride | 333. |
| 40 | (4-bromo methyl-2-cyano-1,1 biphenyl) (Common intermediate for Setrans) | 833.33 | 2-Cyano-4'-Methyl biphenyl (OTBN) | 757. |
| 41 | (5-hydroxy-1,3-oxathiolane-2-carboxylicacid (1r,2s,5r)- | 6666.67 | Menthol | 512. |

| | | | | |
|-----------------------------------|---|---------|--|------|
| | menthyl ester) (Intermediate of Lamivudine) | | | |
| 42 | 4-Chloro butyryl chloride | 6666.67 | Gama butyrolactone | 4936 |
| 43 | Dimethyl3- isobutylpentanedioate(DID) (Intermediate of Pregablin) | 3333.33 | 2-Cyanoacetamide (CAM) | 3466 |
| GROUP-B: CAMPAIGN PRODUCTS | | | | |
| 1 | Alectinib | 0.33 | 2-(4-ethyl-3-iodophenyl)-2-methyl propionic acid | 0.2 |
| 2 | Anastrozole | 1.66 | 1,2,4-Triazole | 1.7 |
| 3 | Aripipazole | 33.33 | 7-Hydroxy-3,4-dihydro Carbostyryl (HDC) | 26.6 |
| 4 | Atazanavir Sulphate | 33.33 | 4-Formyl benzene boronic acid | 25.6 |
| 5 | Atomoxetine HCL | 33.33 | Acetophenone | 24.7 |
| 6 | Axitinib | 0.33 | 3-Iodo-6-nitro-1-tetra hydro-2H- pyron-2yl)1H-indazole | 0.4 |
| 7 | Azacytidine | 0.66 | 2-Cyanoguanidine | 0.4 |
| 8 | Benazepril HCL | 16.67 | Tert-butyl[(3S)-3-Amino-2-oxo- 2,3,4S-tetrahydro-1H-1- benzazepin-1-yl] Acetate | 16.6 |
| 9 | Benfotiamine | 33.33 | Thiamine Hydrochloride | 37.0 |
| 10 | Bicalutamide | 33.33 | 4-Amino-2-Trifluoro methyl benzonitrile | 26.5 |
| 11 | Bortezomib | 0.033 | L-Phenyl Alanine | 0.0 |
| 12 | Bosutanib | 0.33 | 2,4 dichloro-5-nitro phenol | 0.5 |
| 13 | Butenafine Hydrochloride | 0.67 | 1-(Bromomethyl)-4-tert- butylbenzene | 0.4 |
| 14 | Candersatan cilxetile | 3.33 | Methyl-2-ethoxy-1-([2'-(1H- tetrazole-5-yl)biphenyl-4-yl) methyl]benzimidazole-7 carboxylate | 3.6 |
| 15 | Cartizomib | 0.33 | Methyl L-Leucyl-L-phenylalaninate 2,2,2-trifluoroacetate | 0.3 |
| 16 | Cilazapril Monohydrate | 0.66 | (S)-(6(s)-t-butoxycarboxyl- hexahydro -y-pyridazixyl)carboxyl- 1,3-dioxo-2-isoindolene butyric acid | 0.7 |
| 17 | Cilostazol | 33.33 | 3,4-Dihydro-6-hydroxy-2(1H)- quinolinone | 22.5 |
| 18 | Critozanib | 1 | (1S)-1-(2,6-Dichloro-3- fluorophenyl) ethanol | 0.9 |
| 19 | Cyclophosphoide amine HCL | 5 | Di ethanol amine | 4.1 |

| | | | | |
|----|-------------------------|-------|--|------|
| 20 | Daclatasvir | 1.66 | 1-1'-([1,1'-biphenyl]-4,4'-diyl)bis(2-bromoethan-1-one | 1.1 |
| 21 | Desloratadine | 3.33 | Ethyl 4-(8-Chloro-5,6-dihydro-11H-benzo [5,6]cyclohepta[1,2-6]pyridin-11-ylidene)-1-piperidine carboxylate | 4.7 |
| 22 | Deflazacort | 1.66 | 11 β , 16 β -11-Hydroxy-2 methyl-5H-pregna [17,16d] oxazole -3,20-dione | 6.3 |
| 23 | Docetaxel | 0.33 | 10 DAB | 0.2 |
| 24 | Doralutamide | 0.66 | 4-Bromo-2-chlorobenzonitrile | 0.8 |
| 25 | Duloxetine HCL | 33.33 | (3)-3-(Dimethylamino)-1-(2-Thionyl)-1-propanol | 11.3 |
| 26 | Effavirenz | 33.33 | (S)-5-Chloro-a (cyclo propyl ethynyl) -2-Amino-a-(trifluomethyl)-benzene methanol | 64.0 |
| 27 | Eletripton | 0.33 | D-Proline | 0.1 |
| 28 | Emtricitabine | 33.33 | 2R, 5R)-5-(4-amino-5-fluoro-2-oxo-2H-pyrimidin-1-yl)-[1,3]oxathiolane-2-carboxylic acid (1R, 2S, 5R) menthyl ester | 74.0 |
| 29 | Enzalutamide | 3.33 | 2-Fluro -4-nitro benzoic acid | 3.9 |
| 30 | Epiprenone | 3.33 | (10R,11R,13S,17R)-11-Hydroxy-10,13-dimethyl-1,8,9,10,11,12,13,14,15,16-decahydro-3 H-Spiro [cyclopenta[a] PhenanthDione rene-17,2-furan]-3,5 (2H,4H)-Dione | 3.6 |
| 31 | Eprosartan Mesylate | 16.67 | p-toluic acid | 18.3 |
| 32 | Erlotinib Hydrochloride | 16.67 | 3,4-Dihydroxy Benzoic acid | 15.7 |
| 33 | Escitalopram Oxalate | 33.33 | D-(-)-Tartaric acid | 18.3 |
| 34 | Ezetimibe | 16.67 | Para fluoro aniline | 9.5 |
| 35 | Febuxostat | 16.67 | 2-(3-Cyano-4-isobutoxy phenyl)-4-methylthiazole-5-carboxylic ethyl ester | 22.2 |
| 36 | Gemcitabine HCL | 33.33 | Cytosine | 25.0 |
| 37 | Giftinib(GTB) | 16.67 | 7-Methoxy-6-(3-morpholinopropoxy)-3, 4-dihydro-4-quinazolinone | 11.7 |
| 38 | Giftinib(CFA) | 16.67 | 3-Chloro-4-Fluoronitrobenzene | 22.2 |
| 39 | Giftinib(MMQ) | 16.67 | 3-Hydroxy-4-methoxy | 19.0 |

| | | | | |
|----|------------------------|-------|---|------|
| | | | benzaldehyde | |
| 40 | Glimpiride | 26.67 | 4-[2-(3-ethyl-4-methyl-2-oxo-3-pyrroline-1-carboxamido)ethyl]benzene sulfonamide | 28.5 |
| 41 | Ibrutanib | 3.33 | 3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidine-4-amine | 3.3 |
| 42 | Imatinib mesylate | 33.33 | 4-cyano benzyl bromide | 30.5 |
| 43 | Itraconazole | 25 | 2,4-dihydro-4-[4-[4-methoxyphenyl]-1piperazinyl]phenyl]-2-(1-methylpropyl)-3H-1,2,4-triazol-3-one | 27.5 |
| 44 | Lacosamide | 0.33 | D-serine | 0.1 |
| 45 | Lapatanib | 3.33 | 2-Aminobenzonitrile | 1.8 |
| 46 | Ledipasvir Premix IH | 0.33 | Tert-Butyl-6-(5-(7-Bromo-9,9-difluoro-9H fluoren-2-yl)-1H-imidazol-2-yl)-5-Azaspiro[2,4]Heptane-S-carboxylate | 0.2 |
| 47 | Levofloxacin | 25 | Ethyl 9,10-difluoro-2,3-dihydro-3-(S)-methyl-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylate | 26.5 |
| 48 | Levo Milnacipran | 3.33 | R-Epichlorohydrin | 2.7 |
| 49 | Letrozole Intermediate | 3.33 | 4-bromo methyl benzonitrile | 4.1 |
| 50 | Lopinavir | 33.33 | L-Valine | 22.5 |
| 51 | Loratadine | 6.67 | 3-(2-(3-chlorophenyl)ethyl)pyridine-2-yl)(1-methylpiperidine-4-yl)methanone hydro chloride | 9.5 |
| 52 | Maraviroc | 16.67 | Benzaldehyde | 22.5 |
| 53 | Melphalan | 0.33 | L-Phenyl Alanine | 0.5 |
| 54 | Methyl Cobalamin | 0.66 | Cyano Cobalamin | 0.9 |
| 55 | Milnacipran HCL | 3.33 | 2-(Chloromethyl) Oxirane | 2.7 |
| 56 | Nevirapine | 16.66 | 2-Chloro nicotinic acid | 9.6 |
| 57 | Nadifloxacin | 3.33 | 8,9-Difluoro-6,7-dihydro-5-methyl-1-oxo-1H,5H-benzo[<i>ij</i>]quinolizine-2-Carboxylic acid | 2.5 |
| 58 | Nintenib | 3.33 | Methyl-2-oxoindoline-6-carboxylate | 2.2 |
| 59 | Nilotanib | 6.66 | 3-Bromo-5-(trifluoro methyl) aniline | 13.5 |
| 60 | Niraparib | 3.33 | Tert-butyl (S)-3-(4-aminophenyl)piperidine-1-carboxylate | 2.2 |
| 61 | Pazopanib(IBM) | 6.66 | 3-Methyl-6-nitro-1H-indazole | 7.3 |
| 62 | Pazopanib(MBS) | 6.66 | 5-Nitro-2-Methyl benzene sulphonamide | 8.3 |

| | | | | |
|----|------------------------|-------|--|------|
| 63 | Ramipril | 33.33 | Benzyl(Cis,endo)-octahydro cyclopenta [b]pyrrol-2(S)- Carboxylate Hydrochloride | 37.0 |
| 64 | Rupatadine Fumarate | 33.33 | 5- Methyl nicotinic acid | 41.6 |
| 65 | Ruxolatinib Phosphate | 1.66 | 4-Chloro-7H-Pyrrolo [2,3-d] | 1.1 |
| 66 | Sunitinib Malate | 3.33 | 5-Fluoroisatine | 16.6 |
| 67 | Sofosbuvir | 50 | Synhydride | 65.5 |
| 68 | Sorafenib | 6.66 | α -Picolinic acid | 7.3 |
| 69 | Stavudine | 16.67 | 5-Methyluridine | 10.7 |
| 70 | Temozolamide | 1.66 | 5-Amino-1H-imidazole-4- carboxamide HCl | 1.1 |
| 71 | Tioconazole | 6.66 | 3-Methyl-Thiophene | 5.1 |
| 72 | Torsemide | 33.33 | 4-(3-methylphenyl)amino-3- pyridine sulphanamide | 26.6 |
| 73 | Velpatasvir | 16.67 | Tert-butyl(2S,4S)-2-(4-(2-((2S,5S)- 1-((Methoxy carbonyl)-L-Valyl)-5- methyl pyrrolidine-2-yl)-1,11- dihydro iso chromeno[4',3',6',7]naphthol[1,2- d1]imidazol-9-yl)-1h-imidazol-2-yl)- 4-(Methoxy methyl)pyrrolidine-1- Carboxylate. | 16.6 |
| 74 | Voglibose | 1.66 | Valiolamine | 3.1 |
| 75 | Samples for Validation | 100 | --- | |

The industry shall manufacture 17 regular products from group -A: 29.033 TPD and 25 campaign products from group-B: 0.693 TPD with maximum production capacity of 29.726 TPD or 891.78 TPM at any point of time.

By-Products:

| S.No | Name of the By-product | Quantity (Kg/day) | Mode of Disposal |
|------|------------------------|-------------------|--|
| 1 | Ammonium Acetate (L) | 194.4 | Shall be disposed to Authorised Processors/ Recyclers for processing and reusing. |
| 2 | Ammonium phosphate (L) | 971.02 | |
| 3 | DAP (L) | 533.40 | |
| 4 | HBR | 3.0 | If no party found for recycling, it shall be disposed as Hazardous waste either to TSDf or Pre-processors for Coprocessing depending on the characteristics of the material. |
| 5 | KCL salt | 1453.47 | |
| 6 | LH | 14.28 | |
| 7 | Liquid bromine | 51.28 | |
| 8 | Lithium Iodide | 10 | |
| 9 | Magnesium tosylate | 1903.39 | |
| 10 | Potassium carbonate | 37.95 | |
| 11 | Sodium Acetate | 865.46 | |

| | | |
|----|------------------------|---------|
| 12 | Sodium sulphate | 713.72 |
| 13 | Sodium Meta Bisulphate | 1311.12 |
| 14 | Tartaric acid | 281.80 |
| 15 | Triphenyl oxide | 167.90 |
| 16 | tritanol | 36.28 |
| 17 | Zinc acetate | 677.90 |

The industry shall submit disposal (sale) details of the above by-products every month to the concerned Regional Office & Zonal Office. In case the by-products cannot be sold in the market due to any reasons, the by-products shall be treated as waste and disposed as per the norms.

The issue of CTO (CPM) to the industry was placed in the Consent Management Committee meeting held on 13.12.2024. The committee has agreed to issue CTO (CPM) subject to following conditions:

1. The industry shall install separate energy meters to the scrubber connected to the process reactors to ensure the continuous operation of the scrubber within 15 days.
2. The industry shall construct rainwater runoff tank for collection and storage of first flush storm water and construct check dam at the common storm water drain from all the blocks to avoid the flow towards natural drain coming from the upstream i.e., Upmaka.
3. The industry shall comply with the outcome of the Hon'ble NGT directions in OA No. 23 of 2022 as applicable in future.
4. The industry shall submit disposal (sale) details of the above by-products every month to the concerned Regional Office & Zonal Office. In case the by-products cannot be sold in the market due to any reasons, the by-products shall be treated as waste and disposed as per the norms.
5. This order is subject to the provisions of 'the Acts' and the Rules' and orders made there under and further subject to the terms and conditions incorporated in the schedule A, B & C enclosed to this order.

This combined order of consent & Hazardous Waste Authorization shall be valid for a period ending with the **31st day of December, 2027.**

S SRI SARAVANAN

To
M/s. Hetero Labs Ltd., Unit – III,
R. Sy. No.119, 126, 150, 120, 125 (P),
138 (P), 150 (P), 151/1, 151/2 (P), 158/1 N.
Narsapuram (V), Nakkapalli (M),
Anakapalli District

MEMBER SECRETARY
A.P. Pollution Control Board
VIJAYAWADA-520 007.

Copy to:

1. The JCEE, Zonal Office, **Visakhapatnam** for information and necessary action.
2. The Environmental Engineer, Regional Office, **Visakhapatnam** for information and necessary action.

SCHEDULE-A

1. Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The industry should carryout analysis of waste water discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.
4. The industry should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CTO and exhibit the CTO order at a prominent place in the factory premises.
5. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
6. The industry shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.
7. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
8. The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CTO conditions for obtaining Consent & HW Authorization of the Board.
9. The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises

without obtaining prior permission of the State Pollution Control Board.

10. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.
11. The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.
12. The industry may explore the possibility of tapping the solar energy for their energy requirements.
13. The industry should educate the workers and nearby public of possible accidents and remedial measures.

SCHEDULE-B

The issue of CTO (CPM) to the industry was placed in the Consent Management Committee meeting held on 13.12.2024. The industry shall comply with the following:

1. The industry shall install separate energy meters to the scrubber connected to the process reactors to ensure the continuous operation of the scrubber within 15 days.
2. The industry shall construct rainwater runoff tank for collection and storage of first flush storm water and construct check dam at the common storm water drain from all the blocks to avoid the flow towards natural drain coming from the upstream i.e., Upmaka.
3. The industry shall comply with the outcome of the Hon'ble NGT directions in OA No. 23 of 2022 as applicable in future.
4. The industry shall submit disposal (sale) details of the above by-products every month to the concerned Regional Office & Zonal Office. In case the by-products cannot be sold in the market due to any reasons, the by-products shall be treated as waste and disposed as per the norms.

Water Pollution:

5. The source of water supply is Sea Water – Desalination Plant. The following is the permitted water consumption:

| Sl. No. | Description | Quantity |
|---------|-------------|----------|
|---------|-------------|----------|

| | | (KLD) |
|----|-------------------------------------|----------------|
| 1. | Process & Washings | 603.05 |
| 2. | Cooling Tower makeup | 600 |
| 3. | Greenbelt Development & Civil works | 200 |
| 4. | Domestic | 120 |
| | Total | 1523.05 |

Separate meters with necessary pipe lines shall be maintained for assessing the quantity of water used for each of the purpose mentioned above for Cess assessment purpose.

6. The effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below:

| Outlet | Parameter | Limiting standards |
|--------|---|--------------------|
| 3. | pH | 6.50 – 9.0 |
| | TSS | <100 mg/l |
| | BOD | 30.00 mg/l |
| | Fecal coliform (FC) (Most Probable Number per 100 milliliter, MPN/100 ml) | <1000 |

7. The industry shall maintain Electro Magnetic flow meters with totalizers for water consumption, effluent generation mentioned in the Order.
8. The LTDS and HTDS effluents shall be stored in above ground collection tanks separately.
9. The industry shall maintain HDPE tanks in the effluent collection tank (both locations at block and common collection point). The effluent shall be connected to the HDPE tanks and from the HDPE tanks, effluent shall be pumped to the ETP. Free space shall be maintained around the HDPE tanks to observe leakages if any.
10. Effluents shall not be discharged onland or any water bodies or aquifers or outside under any circumstances.
11. Floor washings shall be admitted into effluent collection system only and shall not be allowed to find their way into storm water drains or open areas.
12. The industry shall maintain containers detoxification facility. Container & Container liners shall be detoxified at the specified covered platform with dyke walls and the wash wastewater shall be routed to low TDS collection

- tank.
13. The industry shall maintain hood on the top of the effluent storage tanks and vent connected to scrubber.
 14. The industry shall maintain web camera and flow meters provided for HTDS & LTDS effluents properly and same connected to GPCB & APPCB servers, as per CPCB directions dt. 05.02.2014 / 02.03.2015.
 15. Rain water shall not be allowed to mix with either trade or domestic effluents. Industry shall maintain storm water drains, properly.
 16. The industry shall maintain rainwater runoff tank with pump for collection and storage of first flush contaminated storm water and the same shall be sent to CETP for further treatment. The industry shall maintain dry condition in outside drains during non-rainy season

Air Pollution:

14. The emissions shall not contain constituents in excess of the prescribed limits mentioned below:

| Chimney No. | Parameter | Emission Standards (mg/Nm ³) |
|-----------------|---------------------|--|
| 3 | HCl | 35 |
| | NH ₃ | 30 |
| | Sulphuric acid mist | 50 |
| | Chlorine | 15 |
| Tank farm vents | HCl | 35 |
| | NH ₃ | 30 |
| | Chlorine | 15 |
| | Benzene | 5 |
| | Toluene | 100 |
| | Acetonitrile | 1000 |
| | Dichloromethane | 200 |
| | Xylene | 100 |
| | Acetone | 2000 |

15. The industry shall comply with ambient air quality standards of PM₁₀ (Particulate Matter size less than 10mm) - 100 mg/ m³; PM_{2.5} (Particulate Matter size less than 2.5 mm) - 60 mg/ m³; SO₂- 80 mg/ m³; NO_x - 80 mg/m³, outside the factory premises at the periphery of the industry.

Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No. B-29016/20/90/PCI-I, dated 18.11.2009.

Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)

Night time (10 PM to 6 AM) - 70 dB (A)

16. The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R. 804(E), dated 03.11.2022, under the Environment (Protection) Act Rules. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.
17. The industry shall provide a sampling port with removable dummy of not less than 15 cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.
18. The industry shall comply with the noise limits for DG sets (upto 1000 KVA) as per G.S.R.520 (E), dated 01.07.2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Act Rules.
19. The industry shall maintain the online pH measuring facility with auto recording system provided to the scrubbers and connect to APPCB website.
20. The industry shall implement adequate measures to control all fugitive emissions from the plant
21. The industry shall operate the two stage scrubbers for scrubbing of process emissions at all emission sources. Scrubbed liquid shall be recycled as far as possible and finally sent to CETP of Pharma city for further treatment.
22. The evaporation losses in solvents shall be controlled by taking suitable measures, which include:
 - i. Chilled brine circulation to effectively reduce the solvent losses into the atmosphere.
 - ii. Transfer of solvents by using pumps and closed conveyance instead of manual handling.
 - iii. Closed centrifuges be used due to which solvent losses are reduced drastically.
 - iv. The reactor vents connected with primary & secondary condensers to catch the solvent vapours.
 - v. All the solvent storage tanks are connected with vent condensers to prevent solvent vapours.
23. The industry shall not use odour causing substances such as Mercaptan or

cause odour nuisance in the surroundings and shall implement adequate measures to control fugitive emissions from the plant.

24. The industry shall operate and maintain VOC monitoring system with auto recording facility at production blocks and solvent storage tank areas.

General:

25. The industry shall not manufacture new products and not exceed the production quantity mentioned in this order, without CTE and CTO order of the Board.
26. The drums containing chemicals / solvents shall be stored under a roof on elevated platform with a provision to collect leakages / spillages in the collection pit.
27. The industry shall maintain good housekeeping both within the premises.
28. The industry shall not dispose any solid waste outside the industry premises and shall dispose the solid waste generated as following:

| S.No | Name of the solid waste | Quantity | Disposal option |
|------|-------------------------|-----------|--|
| 1. | E-waste | 50 Kg/day | Shall be sent to authorised collection centers / recyclers / dismantler / disposal facility as per E-Waste (Management) Rules, 2022. |
| 2. | Electrical Waste | 50 Kg/day | |

29. The effluent discharged and emissions shall comply with the tolerance limits mentioned in MoEF notification dated 09.07.2009 prescribed for Pharmaceutical (Manufacturing and Formulation) industry and G.S.R. 541(E) dt. 06.08.2021 for Bulk Drug and Formulation (Pharmaceutical).
30. The industry shall store the hazardous waste in closed shed with dyke wall and leachate collection system.
31. The following rules and regulations (as amended and upgraded from time to time) notified by the MoEF&CC, GoI shall be implemented.
- Regulation of Persistent Organic Pollutants Rules, 2018.
 - Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016.
 - Plastic Waste Management Rules, 2022.
 - Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
 - Fly Ash Notification, 2016.
 - Battery Waste Management Rules, 2022.
 - E-Waste (Management) Rules, 2022.
 - Construction and Demolition waste Management Rules, 2016.

- i. Solid Waste Management Rules, 2016.
 - j. The Public Liability Insurance Act, 1991 and its amendments thereof.
 - k. Bio Medical Waste Management Rules, 2016
32. The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
- a. Daily production details.
 - b. Quantity of Effluents generated, treated, recycled/reused and disposed to CETP.
 - c. Log Books for pollution control systems.
 - d. Characteristics of effluents and emissions.
 - e. Hazardous/non-hazardous solid waste generated and disposed.
 - f. Inspection book.
 - g. Manifest copies of effluents / hazardous waste.
33. The industry shall maintain records on source of intermediates for each product-wise and the consolidated records shall be submitted to concerned R.O every month along with invoice copies of the intermediates outsourced.
34. The industry shall maintain green belt in all the vacant places. In future, excess green belt over and above 33 % of total area can be utilized for industrial activity as per requirement of industry.
35. The industry shall maintain digital display boards at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CTO and exhibit the CTO order at a prominent place in the factory premises.
36. The industry shall comply with SoPs issued by CPCB time to time for all the wastes.
37. The industry shall comply with the Regulation of Persistent Organic Pollutants Rules, 2018 notified by the MoEF&CC Notification vide G.S.R. 207 (E) dated 30.05.2018. As per the notification, the following 7 chemicals are prohibited to manufacturer, trade, use, import and export:
- i. Chlordecone,
 - ii. Hexabromobiphenyl,
 - iii. Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octa-BDE),
 - iv. Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial penta-BDE),
 - v. Pentachlorobenzene,
 - vi. Hexabromocyclododecane and

- vii. Hexachlorobutadine.
38. The industry shall submit the information regarding usage of Ozone Depleting Substance once in six months to the Board.
 39. The industry shall submit AAQ monitoring reports conducted by authorised agency to concerned Regional Office on monthly basis.
 40. Any other directions / circulars / notices issued by CPCB, MoEF&CC and APPCB shall be followed from time to time.
 41. The industry shall comply with all the conditions stipulated in CTE & CTO order issued by the Board and EC orders issued by MoEF & CC.
 42. The industry shall submit the Environmental Statement in Form – V.
 43. The conditions stipulated are without prejudice to the rights and contentions of this Board in any Hon'ble Court of Law.
 44. The Board reserves its right to modify above conditions or stipulate any further conditions and to take action including revoke of this order in the interest of protection of public health and environment.

Special conditions:

45. The industry shall operate with valid NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) and submit a copy at concerned Regional Office, APPCB.
46. The industry shall operate with valid PESO permission.
47. The industry shall maintain valid PLI policy which includes Environmental Relief Fund (ERF) and submit copy to RO, Visakhapatnam on yearly base.
48. The industry shall comply with the technical suggestions at Chapter No. 7.3 & 7.4 for Hazardous Chemical handling industries by High Power Committee (HPC) of Govt. of Andhra Pradesh. The HPC report is available at www.ap.gov.in.
49. The industry shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.
50. The industry shall extend training to the working personnel for the prevention of accidents and necessary antidotes to ensure safety, as per the MSIHC Rules, 1989.
51. The industry shall carryout calibration of safety equipment and leak detection systems at regular intervals and shall certify the same with the Factories

- Department. That certified copy shall be submitted to the APPCB, Regional Office.
52. The industry shall install fluorescent Wind Vane at the highest point in the industry premises.
 53. The industry shall submit Risk analysis and risk assessment covering worst scenario clearly describing impact within the industry premises and outside the industry premises and emergency response system.
 54. The industry shall submit the copy of the safety audit report and On-Site / Off Site Emergency Plans as applicable after being certified by the Factories Department to the APPCB, Regional Office from time to time, if the storage quantity of hazardous chemicals is equal to or, in excess of the threshold quantities specified in schedule 2 & 3 of MSIHC Rules, 1989.
 55. The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent to Establishment (CTE) and Consent to Operation (CTO) through website i.e., <https://pcb.ap.gov.in> by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the industry and **second half yearly compliance reports shall be the audited through MoEF&CC recognized and National Accreditation Board for Laboratory Testing (NABL) accredited third party.**

SCHEDULE – C

[See rule 6(2)]

[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS WASTES]

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 State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the Hazardous and other wastes except what is permitted through this authorization.
4. Any un authorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his 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 State Pollution Control Board to close down the facility.
8. An application for the renewal of an authorization shall be made as laid down under these Rules.
9. 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.
10. The authorized person shall submit annual returns in Form- 4 as per Rule 6(5) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof to APPCB by 30th day of June of every year for the preceding period April to March. Hazardous Wastes quantities in Form- 4 shall be submitted in terms of Metric Tonnes/annum.
11. The authorized person shall not store hazardous waste for more than 90 days as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.
12. The authorized person shall store Used /Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buy back basis.
13. The authorized person shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.
14. The authorized person shall maintain proper records for Hazardous & other wastes stated in Authorization in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form- 4 as per Rule 6 (5) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof by June 30th for the period ensuring 31st March of the year.

To
M/s. Hetero Labs Ltd., Unit – III,
R. Sy. No.119, 126, 150, 120, 125 (P),
138 (P), 150 (P), 151/1, 151/2 (P), 158/1 N.




S SRI SARAVANAN
MEMBER SECRETARY
A.P. Pollution Control Board
VIJAYAWADA-520 007.

**Narsapuram (V), Nakkapalli (M),
Anakapalli District**



HETERO LAB LIMITED, (UNIT-III)

Emergency Equipment List

| Summary of Fire extinguishers | | | |
|-------------------------------|--------|------------|---|
| CO2 | 2kg | 40 |  |
| | 4.5kg | 205 | |
| | 22.5kg | 103 | |
| | 45kg | 53 | |
| FOAM | 9Lts | 37 |  |
| | 50Lts | 147 | |
| | 130Lts | 2 | |
| DCP | 5kg | 19 |  |
| | 10kg | 51 | |
| | 25kg | 133 | |
| | 50kg | 23 | |
| Total | | 813 | <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="background-color: #4a86e8; color: white; padding: 5px; border-radius: 5px;">FOAM</div> <div style="background-color: #4a86e8; color: white; padding: 5px; border-radius: 5px;">CO2</div> <div style="background-color: #4a86e8; color: white; padding: 5px; border-radius: 5px;">DCP</div> </div> |

DETAILS OF FIRE HYDRANT SYSTEM & FIRE TENDER



Details of Pump-House:

| Sl.No | Description of the Pump | Working pressure | Discharge capacity | Working mode |
|-------|--|------------------|-----------------------|------------------|
| 1. | Jockey Pump : HP:20 , RPM: 2920 Pump Head : 95.1m | 7Kg/cm2 | 61m ³ /hr. | AUTO-MODE |
| 2 | Jockey Pump : HP:20 , RPM: 2920 Pump Head : 95.1m | 7Kg/cm2 | 61m ³ /hr. | AUTO-MODE |
| 3 | Electrical Pump: HP:150,RPM:1480 Pump Head :88m | >7Kg/cm2 | 273m ³ /hr | AUTO-MODE |
| 4 | Diesel Generator Driven pump: HP:133,RPM:1800 Pump Head :88m | >7Kg/cm2 | 273m ³ /hr | MANUAL - MODE |

FIRE HYDRANT SUMP CAPACITY: 600 KL



HETERO LAB LIMITED, (UNIT-III)



Single Hydrant
Points: **119** No's



Double Hydrant
Points: **48** No's



Foam Monitors: **16** No's



First Aid Hose reel: **86** No's

SPRINKLER SYSTEM



| | |
|------------------|-------------------|
| Foam Inductors | 30 No's |
| Total Sprinklers | 2420 No's |
| Foam Quantity | 10,000 Lts |

HIGH PRESSURE WATER MIST FIRE TENDER



| FIRE TENDER DETAILS: | |
|--|----------------|
| Engine model | EICHER 10.95 |
| Water tank capacity | 3500Ltrs. |
| Foam Tank capacity | 350Ltrs. |
| Foam water monitor capacity | 2000LPM |
| High pressure pump | 150Lpm @100bar |
| High pressure hose pipe 60mtrs length | 02 no's |



FIRE DETECTION & FLOODING SYSTEM

| Fire Alarm System | | | | | |
|--------------------------|----------------|--|---------------------------|----------------------------|-----------------------|
| S.No | Block | No. of Smoke Detectors | No. Heat Detectors | No. of UV detectors | Beam Detectors |
| 1 | Ware House-1 | 34 | 0 | 14 | 0 |
| 2 | Ware House-2 | 34 | 0 | 0 | 0 |
| 3 | Ware House-7 | 34 | 0 | 14 | 0 |
| 4 | Ware House-10 | 32 | 0 | 0 | 0 |
| 5 | Pharma Area- 1 | 43 | 12 | 38 | 0 |
| 6 | Pharma Area- 2 | 43 | 12 | 38 | 0 |
| 7 | QC | 34 | 0 | 0 | 0 |
| 8 | Ware House-4 | 0 | 0 | 0 | 4 |
| 9 | Ware House-6 | 0 | 0 | 0 | 4 |
| 10 | QA(ARCCHIEVES) | 4 smoke Detectors with CO2 flooding system | 0 | 0 | 0 |

Annexure-IV



| Wind Socks Checklist | | |
|-----------------------------|-----------------------|-----------------------------|
| S.No | Block/Location | Area |
| 1 | C-Block | Top Floor east side |
| 2 | H-Block | Top Floor North west corner |
| 3 | E-Block | Top Floor South west corner |
| 4 | L-Block | Top Floor North west corner |
| 5 | I-Block | Top Floor North west corner |
| 6 | PB5 | Top Floor East side |
| 7 | PB3 | Top Floor North west corner |
| 8 | Pharma-I | Top Floor North west corner |
| 9 | Pharma-II | Top Floor North west corner |
| 10 | SRS | Phase-II Top Floor |
| 11 | H-Block East Side | Top on Pipe rack Bridge |
| 12 | K-Block East Side | Top on Pipe rack Bridge |
| 13 | D&S/B Middle | Top on Pipe rack Bridge |
| 14 | PB4 East Side | Top on Pipe rack Bridge |
| 15 | PB2 East Side | Top on Pipe rack Bridge |

A.P. State Disaster Response and Fire Services Department

Periodical Renewal Fire Certificate

From:
Director General
State Disaster Response & Fire Services
Andhra Pradesh, Vijayawada.

To:
Associate Vice President,
HETERO LABS LIMITED UNIT-
III, Sy.Nos: 119, 120, 126 (Part), 150, 151/1
& 2, N.Narasapuram & Nallamattipalem
Villages, Nakkapalli Mandal, Anakapalli
District Pin 531081

File No: 18553/AKP/MSB/2023, Date:15/06/2023

Occupancy NoC RC Number: Rc.No.478-A/RFO/ER/2014. Dt: 05.05.2014

Sir,

Sub: Andhra Pradesh State Disaster Response and Fire Services Department - Periodical Fire Certificate to the constructed Multi Storeyed Building of **HETERO LABS LIMITED UNIT-III, represented by MOHANA REDDY CHILUKURI, Sy Nos 119,120,126 (Part),150,151/1 & 2, N.Narasapuram & Nallamattipalem Villages, Nakkapalli Mandal, Anakapalli District Pin 531081** - Regarding.

- Ref:
1. G.O.Ms.NO.71 Home (Prisons-A) Department, Dated.01-04-2010 & G.O.Ms.NO.90 Home(Prison & Fire Services), Dt 13-08-2021 & G.O.No 120 Home (Prisons & Fire), Dt 25-10-2021
 2. This Office Delegation of Powers Rc.No.3350/Audit/NOC/2012, Dated.02-05-2023.
 3. This Office NOC for Occupancy Rc No. Rc.No.478-A/RFO/ER/2014. Dt: 05.05.2014, Dt.05/05/2014
 4. Renewal NOC For Occupancy Rc.No.478-A/RFO/ER/2014. Dt: 05.05.2014, Dt.09/06/2020
 5. Online Application for Renewal NOC of MOHANA REDDY CHILUKURI, Sy Nos 119,120,126 (Part),150,151/1 & 2, N.Narasapuram & Nallamattipalem Villages, Nakkapalli Mandal, Anakapalli District Pin 531081 - Inspection report called for Regarding.
 6. Online Inspection Report submitted by Officers of this Department on 14/06/2023.

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The Management of HETERO LABS LIMITED UNIT-III, represented by MOHANA REDDY CHILUKURI, Sy Nos 119,120,126 (Part),150,151/1 & 2, N.Narasapuram & Nallamattipalem Villages, Nakkapalli Mandal, Anakapalli District Pin 531081 has requested to issue Periodical Fire Certificate duly remitting the Fire Precautionary fee for Rs.477631/- vide challan No. 71017857322023, Dated 10/04/2023 at Through CFMS online, Through CFMS online.

PRODUCTION BLOCK-A

,PRODUCTION BLOCK-D

,PRODUCTION BLOCK-G

,PRODUCTION BLOCK-H

,WARE HOUSE-1&2

,WARE HOUSE-3

,PRODUCTION BLOCK-C

,WARE HOUSE-4

,WARE HOUSE-5

,DRUM YARD

,SOLVENT STORAGE YARD

,CYLINDER SHED

,PRODUCTION BLOCK-B

,QC&PHARMA

,UTILITY &PCC ROOM

,ADMINISTRATION BLOCK

1. This certificate is being issued as per G.O.Ms.No:90,Home(Prisons & Fire),Dt:13-08-2021 & GO.No:120,Home(Prisons & Fire),Dt-25-10-2021

2. The No Objection Certificate for Occupancy was issued vide reference cited (3) and the Management has also obtained Periodical Renewal Fire Certificate for vide reference 4th cited to the constructed Multi Storeyed Building.

3. The Officers of the department have recommended to issue The Periodical Renewal Fire Certificate **MOHANA REDDY CHILUKURI** Sy Nos 119,120,126 (Part),150,151/1 & 2, N.Narasapuram & Nallamattipalem Villages, Nakkapalli Mandal, Anakapalli District Pin 531081, subject to the following conditions.

| Sl | As Builder | As Occupant | As Security Personnel |
|----|---|---|--|
| 1 | All the fire protection arrangements shall be maintained in good condition as seen during inspection. | All the escape/exit routes shall not be kept locked/blocked or encroached | All the occupants must know the correct method of operation of the fire fighting system installed. |

| | | | |
|---|--|--|--|
| 2 | Any loss of life or property due to non-functioning of fire safety measures and other installations shall be the responsibilities of the management. | All occupants shall be trained to operate the fire safety equipments during emergency. | Mock drills should be conducted once in 3 months for initial two years. Thereafter, once in every 6 months. |
| 3 | Addition / alteration, if any in the building may be verified by building authority. | Mock drills should be conducted once in 3 months for initial two years. Thereafter, once in every 6 months. | All security personnel shall be trained to operate the fire safety equipments during emergency. |
| 4 | This is Only for Fire Safety Point of View. | Raise the alarm if the fire cannot be controlled; Evacuate the area completely at once with nearest safe exit. | Attack the fire using available fire equipment only if you feel capable of controlling. If not, take all steps to isolate the area by closing doors and windows. |

4. This Periodical Renewal Fire Certificate is valid from 15/06/2023 to 14/06/2026.

5. The Responsibility/liability of the owner/occupier or both to maintain Fire safety measures in good condition in all times, in accordance with AP Fire safety Act 1999 and Rules, 2006.

6. The Applicant/Management has agreed to comply with proposed revision of fire safety measures, which were sent to government vide Rc No. /MSB/Section/2023 Dt. 11-05-2023 or any other fire safety measures as may be approved by the government from time to time.

The following deficiencies are identified by the officers of the department and needs to be attended to by the management.

Your Sincerely,



Director General

State Disaster Response & Fire Services
Andhra Pradesh, Vijayawada.

Copy to MOHANA REDDY CHILUKURI, HETERO LABS LIMITED UNIT-III , Sy Nos 119,120,126 (Part),150,151/1 & 2, N.Narasapuram & Nallamattipalem Villages, Nakkapalli Mandal, Anakapalli District Pin 531081

Copy to Chief Office for Record Purpose

Copy to Regional Fire Officer Concerned

Copy to District Fire Officer Concerned

Copy to Assistant District Fire Officer Concerned

GOVERNMENT OF ANDHRA PRADESH
STATE DISASTER RESPONSE AND FIRE SERVICES DEPARTMENT

From:
The Director General,
State Disaster Response & Fire Services
Andhra Pradesh, Vijayawada.

To:
M/s Hetero Labs Limited Unit III,
Sy.No.119, 120, 126(Part), 150, 151/1, & 2,
N.Narasapuram Village, Nakkapalli Mandal,
Anakapalli District.

Rc.No.478-B/RFO/ER/2014, Dated : 14-08-2023.

Sir,

Sub:- A.P. State Disaster Response and Fire Services Department-MSB Section-
Change the Name from **M/s Hetero Drugs Limited Unit-VI to M/s Hetero
Labs Limited Unit-III** located at Sy.No.119, 120, 126(Part), 150, 151/1 & 2,
N.Narasapuram & Nallamattipalem Village, Nakkapalli Mandal, Anakapalli
District -Regarding.

- Ref:-
- 1) NOC for Occupancy Rc.No.478-B/RFO/ER/2014, dt.05-05-2014. Of
Regional Fire Officer, Eastern Region, Hyderabad.
 - 2) This Office Renewal NOC Rc.No.18554/AKP/MSB/2023 dt:19-07-2023.
 - 3) Name Change proposal of M/s Hetero Labs Limited Unit III, Sy.No.119,
120, 126(Part), 150, 151/1, & 2, N.Narasapuram Village, Nakkapalli
Mandal, Anakapalli District.

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The Management has Obtained NOC for Occupancy from this Department vide references 1st cited and also obtained Renewal NOC vide references 2nd cited to the existing building on the name of M/s Hetero Drugs Limited Unit-VI, Sy.No.119, 120, 126(Part), 150, 151/1, & 2, N.Narasapuram Village, Nakkapalli Mandal, Anakapalli District with 23 Blocks with a total built-up area of 40086.23 Sq.mtrs for Industrial Occupancy.


2) The Management of M/s Hetero Labs Limited Unit III, Sy.No.119, 120, 126(Part), 150, 151/1, & 2, N.Narasapuram Village, Nakkapalli Mandal, Anakapalli District has requested to change their Industry name from **M/s Hetero Drugs Limited Unit-VI to M/s Hetero Labs Limited Unit-III** in Fire No Objection Certificate. The Management has remitted the Fire Precautionary Fee of Rs.20069/- vide Challan No.71202946132023 Dated.26-07-2023 and towards the change of name, into Government account through online payment as per G.O.Ms.No.71 Home (Prisons-A) Dept., Dt.01-04-2010.

3) Under the above circumstances, the change of name from **M/s Hetero Drugs Limited Unit-VI to M/s Hetero Labs Limited Unit-III** of the said premises is here by modified.

Director General,
State Disaster Response and Fire Services,
Andhra Pradesh, Vijayawada.

Copy to :

- (i). The Management, M/s Hetero Labs Limited Unit III, Sy.No.119, 120, 126(Part), 150, 151/1, & 2, N.Narasapuram Village, Nakkapalli Mandal, Anakapalli District.
- (ii). The Regional Fire Officer, Zone-1, Visakhapatnam.
- (iii). The District Disaster Response and Fire Officer, Anakapalli.

| Annual Medical Examination Report - 2025 | |
|--|--|
| COMPANY | : HETERO LABS LIMITED UNIT-3 |
| Test Date | : 07-11-2025 |
| NAME: Mr. M SATYA PRAVEEN | EMP ID: 237075 |
| GENDER: Male | CASE NO : 046331125 |
| DOB / AGE: 22 years |  |

Present Health Complaints : Nil

Past History Health : Nil

Personal History:

| | | |
|--------------------|------------------|-------------------------|
| Diabetes: No | Hypertension: No | Medication: No |
| Alcohol: No | Tobacco: No | Pan/Gutka: No |
| Tuberculosis: No | Epilepsy: No | Psychiatric illness: No |
| Allergic Drugs: No | IHD: No | |

Family History:

| | | |
|-------------------------|------------------|--------------------|
| Diabetes: No | Hypertension: No | Tuberculosis: No |
| Asthma: No | H/o Epilepsy: No | Allergic Drugs: No |
| Psychiatric illness: No | IHD: No | |

Physical Examination:

| | | | |
|------------------|--------------------|---------------------------|----------------|
| Height : 165 cms | Weight : 60 kg | BP: 130/80 mmHg | Pulse : 82 bpm |
| Anaemia: No | Jaundice: No | Clubbing/Koilonychias: No | |
| Hernia: No | Varicose Veins: No | Temperature: Normal | |

Skin Diseases:


| | | |
|----------------|---------------|-------------|
| Infections: No | Allergies: No | Leprosy: No |
|----------------|---------------|-------------|

Eye Examination: Colour Blindness: Normal

Distant Vision : Without glass

Right eye : 6/6 left eye : 6/6



| | |
|----------------------------------|--|
| NAME: Mr. M SATYA PRAVEEN | EMP ID: 237075 |
| GENDER: Male | CASE NO: 046331125 |
| DOB / AGE: 22 years |  |

Systemic Examination:

Cardiovascular system: S1&S2-Normal

Respiratory System: Respiratory sounds – clear

Abdomen: Liver – Not Palpable Spleen – Not Palpable

CNS: Pupillary Reaction – Normal Romberg's – Negative

Planters - Normal Jerks – Normal

ENT: Normal

Doctor Remarks: normal

Advice: NIL

CERTIFICATE OF FITNESS


This is certifying **Mr. satya praveen** is free from Infectious and contagious diseases including Tuberculosis. (After Physical Examination and investigations)

he is Healthy and physically fit to work in the company.

P. V. Nishith Nivas

Dr. P.V. NISHITH NIVAS (MBBS)

Reg no : 91564

| | | | |
|--------------|-----------------------|--|------------------------------|
| Patient Name | : MR. M.SATYA PRAVEEN | Registered Time | : 07/11/2025, 02:57 PM |
| Age/Gender | : 22 years / Male | Reported Time | : 10/11/2025, 11:20 AM |
| UHID/MR No | : 237075 | Client Name | : HETERO LABS LIMITED UNIT-3 |
| Lab ID | : 34180 | Sample Id | NAKKAPALLI |
| | |  046331125 | |

| Test Description | Result | Reference Range | Unit(s) |
|------------------|--------|-----------------|---------|
|------------------|--------|-----------------|---------|

SEROLOGY

HBsAg (RAPID)

| | | | |
|-------------------------|--------------|--|--|
| HBsAg Method : Rapid | Non Reactive | | |
|-------------------------|--------------|--|--|

Hepatitis C Virus (HCV Antibodies)

| | | | |
|--|--------------|--------------|--|
| Hepatitis C Virus (HCV Antibodies) Method : Serum, Immunofiltration | Non Reactive | Non Reactive | |
|--|--------------|--------------|--|

Note:

All positive tests must be reconfirmed and the samples should be submitted further for more specific tests like viral detection by PCR.

HIV I & II


| | | | |
|---|--------------|--------------|--|
| HIV - 1 Antibody Rapid screening Test Method : Serum, Immunofiltration | Non Reactive | Non Reactive | |
| HIV - 2 Antibody Rapid Screening Test Method : Serum, Immunofiltration | Non Reactive | Non Reactive | |

Interpretation & Remarks:

- Kindly confirm all reactive results by ELISA and Western Blot method or virus detection by PCR.
- Non-reactive result does not rule out the possibility of exposure to or infection with HIV.
- In case of reactive results, final diagnosis of HIV to be done by following WHO strategy III.


DISCLAIMER: INTERPRETATION IS FOR PATIENT EDUCATION ONLY AND NOT A FINAL DIAGNOSIS. PLEASE CORRELATE CLINICALLY.

END OF REPORT


P.Suresh (M.Sc)
 Microbiologist


Dr.P.Revathi MD
 Pathologist



| | | | |
|--------------|-----------------------|-----------------|--|
| Patient Name | : MR. M.SATYA PRAVEEN | Registered Time | : 07/11/2025, 02:57 PM |
| Age/Gender | : 22 years / Male | Reported Time | : 10/11/2025, 11:20 AM |
| UHID/MR No | : 237075 | Client Name | : HETERO LABS LIMITED UNIT-3 |
| Lab ID | : 34180 | NAKKAPALLI | |
| | | Sample Id |  046331125 |

| Test Description | Result | Reference Range | Unit(s) |
|------------------|--------|-----------------|---------|
|------------------|--------|-----------------|---------|

HAEMATOLOGY

Complete Blood Picture (CBP)

| | | | |
|-----------------------------------|------|--------------|---------------|
| Hemoglobin (Hb%) | 13.5 | 11.0 - 16.0 | gm/dL |
| TOTAL RBC Count | 5.1 | 3.50 - 5.50 | millions/cumm |
| Packed Cell Volume (PCV) | 45.2 | 37.0 - 54.0 | % |
| Mean Cell Volume (MCV) | 88.6 | 80.0 - 100.0 | fL |
| Mean Cell Haemoglobin (MCH) | 26.6 | 27.0 - 34.0 | pg |
| Mean Corpuscular Hb Concn. (MCHC) | 30 | 32.0 - 36.0 | gm/dL |
| Red Cell Distribution Width (RDW) | 13.6 | 11.0 - 16.0 | % |
| Total Leucocytes (WBC) Count | 7100 | 4000-10000 | cell/cu.mm |

DIFFERENTIAL COUNT

| | | | |
|----------------------------|--------|-----------------|------------|
| Neutrophils | 55 | 40.0 - 80.0 | % |
| Lymphocytes | 36 | 20.0 - 40.0 | % |
| Monocytes | 05 | 3.0 - 15.0 | % |
| Eosinophils | 04 | 2.0 - 8.0 | % |
| Basophils | 0 | 0.0 - 1.0 | % |
| Platelet count | 336000 | 100000 - 300000 | cells/cumm |
| Mean Platelet Volume (MPV) | 10 | 6.5 - 12.0 | fL |
| PCT | 0.34 | 0.108 - 0.282 | % |

ESR


| | | | |
|---|----|-----|-------|
| Erythrocyte Sedimentation Rate | 08 | <15 | mm/hr |
| <small>Method : EDTA Whole blood, modified westergren</small> | | | |

Interpretation:

It indicates presence and intensity of an inflammatory process. It is a prognostic test and used to monitor the course or response to treatment of diseases like tuberculosis, acute rheumatic fever,. It is also increased in multiple myeloma, hypothyroidism.





| | | | |
|--------------|-----------------------|-----------------|--|
| Patient Name | : MR. M.SATYA PRAVEEN | Registered Time | : 07/11/2025, 02:57 PM |
| Age/Gender | : 22 years / Male | Reported Time | : 10/11/2025, 11:20 AM |
| UHID/MR No | : 237075 | Client Name | : HETERO LABS LIMITED UNIT-3 |
| Lab ID | : 34180 | Sample Id | NAKKAPALLI |
| | | |  046331125 |


| Test Description | Result | Reference Range | Unit(s) |
|------------------|--------|-----------------|---------|
|------------------|--------|-----------------|---------|

BLOOD GROUP (ABO & Rh Type)

| | |
|--|----------|
| Blood Group Method : Forward and Reverse By Tube Method | "A" |
| RH Factor | Positive |
| Methodology | |
| This is done by forward and reverse grouping by tube Agglutination method. | |


DISCLAIMER: INTERPRETATION IS FOR PATIENT EDUCATION ONLY AND NOT A FINAL DIAGNOSIS. PLEASE CORRELATE CLINICALLY.

****END OF REPORT****


P.Suresh (M.Sc)
Microbiologist


Dr.P.Revathi MD
Pathologist



| | | | |
|--------------|-----------------------|--|------------------------------|
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|------------------|--------|-----------------|---------|
|------------------|--------|-----------------|---------|

CLINICAL PATHOLOGY

COMPLETE URINE EXAMINATION

| | | | |
|---------------------------|--------------|---------------|----|
| Volume | 20 | | ml |
| Colour | Light Yellow | Pale Yellow | |
| Transparency (Appearance) | Clear | Clear | |
| Reaction (pH) | 7.0 | 5.0 - 9.0 | |
| Specific Gravity | 1.010 | 1.000 - 1.030 | |

Chemical Examination Urine

| | | | |
|-------------------------|--------|--------|--|
| Urine Glucose (sugar) | Absent | Absent | |
| Urine Protein (Albumin) | Absent | Absent | |
| Urine Ketones (Acetone) | Absent | Absent | |
| Blood | Absent | Absent | |
| Nitrite | Absent | Absent | |

Microscopic Examination Urine


| | | | |
|------------------|--------|--------|------|
| Pus Cells (WBCs) | 2-3 | 0 - 5 | /hpf |
| Epithelial Cells | 3-4 | 0 - 4 | /hpf |
| Red blood Cells | Absent | Absent | /hpf |
| Crystals | Absent | Absent | |
| Cast | Absent | Absent | |
| Others | Absent | Absent | |
| Bacteria | Absent | Absent | |

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END OF REPORT







| | | | |
|--------------|-----------------------|-----------------|--|
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|------------------|--------|-----------------|---------|
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P.Suresh (M.Sc)
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| | | | |
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| Test Description | Result | Reference Range | Unit(s) |
|------------------|--------|-----------------|---------|
|------------------|--------|-----------------|---------|

BIOCHEMISTRY

Liver Function Test

| | | | |
|---|-------------|-----------|-------|
| Bilirubin - Total Method : Serum, Jendrassik Grof | 1.18 | 0.3 - 1.2 | mg/dL |
| Bilirubin - Direct Method : Serum, Diazotization | 0.3 | < 0.3 | mg/dL |
| Bilirubin - Indirect Method : Serum, Calculated | 0.88 | 0.1 - 1.0 | mg/dL |
| SGOT Method : Serum, UV with P5P, IFCC 37 degree | 40.72 | < 45 | U/L |
| SGPT Method : Serum, UV with P5P, IFCC 37 degree | 34.2 | < 45 | U/L |
| SGOT/SGPT Method : calculated | 1.19 | 0.7 - 1.4 | ratio |
| Alkaline Phosphatase-ALPI Method : Serum, PNPP, AMP Buffer, IFCC 37 degree | 57.78 | 39 - 137 | U/L |
| Total Protein Method : Serum, Biuret, reagent blank end point | 7.50 | 6.0 - 8.3 | g/dL |
| Albumin Method : Serum, Bromocresol purple | 3.92 | 3.0 - 5.0 | g/dL |
| Globulin Method : Calculated | 3.58 | 1.8 - 3.6 | g/dL |
| A/G Ratio Method : Calculated | 1.09 | 1.2 - 2.2 | ratio |

Note:


Liver function test aids in the diagnosis of various pre hepatic, hepatic and post hepatic causes of dysfunction like hemolytic anemias, viral and alcoholic hepatitis and cholestasis of obstructive causes.

- The test encompasses hepatic excretory, synthetic function and also hepatic parenchymal cell damage.

- LFT helps in evaluating severity, monitoring therapy and assessing prognosis of liver disease and dysfunction.

RENAL FUNCTION TEST (RFT)



| | | | |
|--------------|-----------------------|-----------------|--|
| Patient Name | : MR. M.SATYA PRAVEEN | Registered Time | : 07/11/2025, 02:57 PM |
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| UHID/MR No | : 237075 | Client Name | : HETERO LABS LIMITED UNIT-3 NAKKAPALLI |
| Lab ID | : 34180 | Sample Id |  046331125 |


| Test Description | Result | Reference Range | Unit(s) |
|------------------|--------|-----------------|---------|
|------------------|--------|-----------------|---------|

| | | | |
|--|-------|-------------|--------|
| Urea * Method : Serum | 30.14 | 17- 43 | mg/dL |
| Blood Urea Nitrogen-BUN* Method : Serum, Urease | 14.08 | 7 - 18 | mg/dL |
| Uric Acid* Method : Serum, Uricase/POD | 4.37 | 3.5 - 7.2 | mg/dL |
| Creatinine* Method : Serum, Jaffe IDMS | 1.07 | 0.67 - 1.17 | mg/dL |
| Calcium* Method : Arsenazo III | 9.6 | 8.8 - 10.6 | mg/dL |
| Phosphorus (Inorganic)* Method : Phosphomolybdate | 3.8 | 2.5 - 4.5 | mg/dL |
| Sodium* Method : Serum, Indirect ISE | 137 | 136 - 146 | mmol/L |
| Potassium* Method : Serum, Indirect ISE | 4.2 | 3.5 - 5.1 | mmol/L |
| Chloride* Method : Serum, Indirect ISE | 104 | 101 - 109 | mmol/L |

LIPID PROFILE

| | | | |
|---|--------|---|-------|
| Cholesterol-Total Method : Serum, Cholesterol oxidase esterase, peroxidase | 181.97 | Desirable: <= 200 Borderline High: 201-239 High: > 239 | mg/dL |
| Triglycerides Method : Serum, Enzymatic, endpoint | 148.87 | Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500 | mg/dL |
| Cholesterol-HDL Direct Method : Serum, Direct measure-PEG | 48.29 | Normal: > 40 Major Heart Risk: < 40 | mg/dL |



| | | | |
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| Test Description | Result | Reference Range | Unit(s) |
|------------------|--------|-----------------|---------|
|------------------|--------|-----------------|---------|

| | | | |
|---|--------|---|-------|
| LDL Cholesterol Method : Serum | 103.91 | Optimal: < 100 Near optimal/above optimal: 100-129 Borderline high: 130-159 High: 160-189 Very High: >= 190 | mg/dL |
| Non - HDL Cholesterol, Serum Method : calculated | 133.68 | Desirable: < 130 mg/dL Borderline High: 130-159mg/dL High: 160-189 mg/dL Very High: > or = 190 mg/dL | mg/dL |
| VLDL Cholesterol Method : calculated | 29.77 | 6 - 38 | mg/dL |
| CHOL/HDL RATIO Method : calculated | 3.77 | 3.5 - 5.0 | ratio |
| LDL/HDL RATIO Method : calculated | 2.15 | Desirable / low risk - 0.5 -3.0 Low/ Moderate risk - 3.0- 6.0 Elevated / High risk - > 6.0 | ratio |
| HDL/LDL RATIO Method : calculated | 0.46 | Desirable / low risk - 0.5 -3.0 Low/ Moderate risk - 3.0- 6.0 Elevated / High risk - > 6.0 | ratio |

Note: 8-10 hours fasting sample is required.

RANDOM BLOOD SUGAR (RBS)


| | | | |
|--|--------|----------|-------|
| Glucose Random* Method : Plasma, Hexokinase | 104.68 | 70 - 150 | mg/dL |
| Note | - | | |

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****END OF REPORT****





| | | | |
|--------------|-----------------------|-----------------|--|
| Patient Name | : MR. M.SATYA PRAVEEN | Registered Time | : 07/11/2025, 02:57 PM |
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| Lab ID | : 34180 | Sample Id | NAKKAPALLI |
| | | |  046331125 |

| Test Description | Result | Reference Range | Unit(s) |
|------------------|--------|-----------------|---------|
|------------------|--------|-----------------|---------|

P.Suresh
P.Suresh (M.Sc)
Microbiologist

Revathi
Dr.P.Revathi MD
Pathologist



| | | | |
|------|-----------------|-------|------------|
| NAME | M SATYA PRAVEEN | SEX | MALE |
| AGE | 22 | DATE | 07-11-2025 |
| EMP | 237075 | PHONE | - |

EYE EXAMINATION REPORT

Eye lids : NORMAL
Conjunctiva : NORMAL
Cornea : NORMAL
Pupil : NORMAL
Colour vision : NORMAL



| | | WITHOUT GLASS | WITH GLASS |
|-----------------|-------|---------------|------------|
| Distance Vision | RIGHT | 6/6 | |
| | LEFT | 6/6 | |
| Near Vision | RIGHT | N/6 | |
| | LEFT | N/6 | |

Subjective Refraction:

| | SPH | CYL | AXIS | ADD | VISION |
|-------|-----|-----|------|-----|--------|
| RIGHT | | | | | 6/6 |
| LEFT | | | | | 6/6 |

Impression : Visual acuity Normal

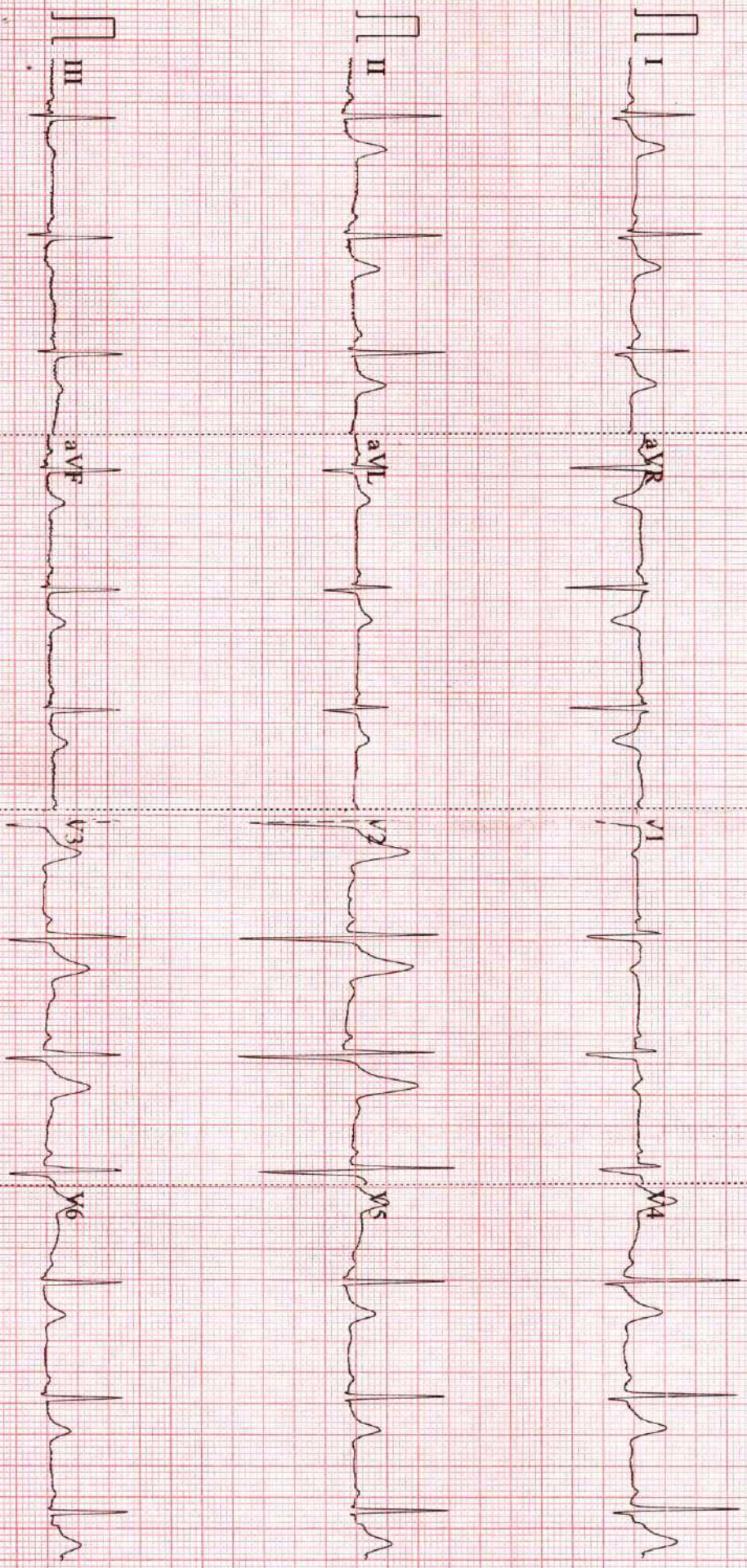

S KRISHNA MURTHY
REG NO.003757
 Signature of the
 Ophthalmic Assistant

m satyapaveen
Male 22Years
Req. No. : 237075

HR : 77 bpm
P : 92 ms
PR : 120 ms
QRS : 80 ms
QT/QTcBz : 348/394 ms
P/QRS/T : 46/62/34 °
RV5/SVI : 1.5/140.7/42 mV

Diagnosis Information:
Sinus rhythm
Normal ECG

Report Confirmed by:





EMPLOYEE NAME: M Satya Praveen
CASE NO: 46331125
EMP CODE: 237075

Age : 22
Gender : MALE
Date: 07-11-2025

RESTING E.C.G REPORT
ELECTRO CARDIOGRAPHIC OBSERVATIONS

HR : 77
RHYTHM : Normal sinus
P WAVE : Normal
Q WAVE : Nil
PR : 120 ms
QRS : 80 ms
ST WAVE : No significant changes
AXIS : Normal
IMPRESSION : Within Normal limits

CONSULTANT CARDIOLOGIST

DR SAI KIRAN

Consultant Cardiologist

Reg no 7717

Patient: Ms SATYA PRAVEEN

Refd. By:

Pred. Eqns: RECORDERS

Date : 07-11-2025 04:20 PM

Age : 22 Yrs

Height : 165 Cms

Weight : 60 Kgs

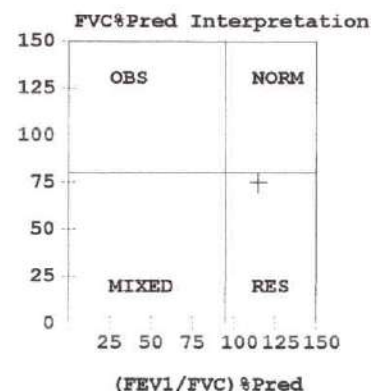
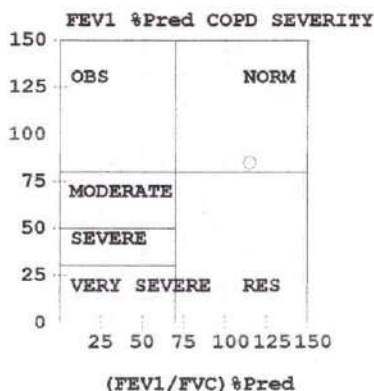
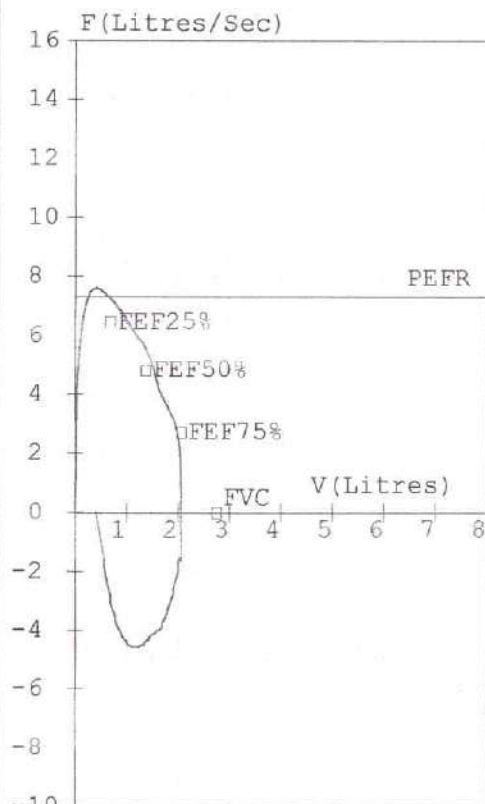
ID : 237075

Gender : Male

Smoker : No

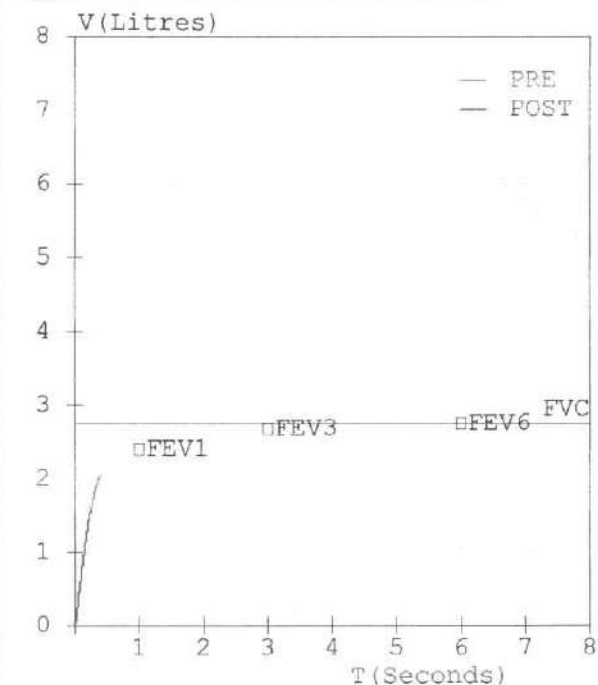
Eth. Corr: 80

Temp :



FVC Results

| Parameter | Pred | M. Pre | %Pred | M. Post | %Pred | %Imp |
|-----------|-------------|--------|-------|---------|-------|------|
| FVC | (L) 02.76 | 02.06 | 075 | ----- | --- | --- |
| FEV1 | (L) 02.41 | 02.06 | 085 | ----- | --- | --- |
| FEV1/FVC | (%) 87.32 | 100.00 | 115 | ----- | --- | --- |
| FEF25-75 | (L/s) 03.72 | 06.15 | 165 | ----- | --- | --- |
| PEFR | (L/s) 07.30 | 07.55 | 103 | ----- | --- | --- |
| FIVC | (L) ----- | 01.63 | --- | ----- | --- | --- |
| FEV.5 | (L) ----- | 02.07 | --- | ----- | --- | --- |
| FEV3 | (L) 02.68 | 02.06 | 077 | ----- | --- | --- |
| PIFR | (L/s) ----- | 04.53 | --- | ----- | --- | --- |
| FEF75-85 | (L/s) ----- | 03.96 | --- | ----- | --- | --- |
| FEF.2-1.2 | (L/s) 06.29 | 06.87 | 109 | ----- | --- | --- |
| FEF 25% | (L/s) 06.45 | 07.41 | 115 | ----- | --- | --- |
| FEF 50% | (L/s) 04.82 | 06.39 | 133 | ----- | --- | --- |
| FEF 75% | (L/s) 02.71 | 04.64 | 171 | ----- | --- | --- |
| FEV.5/FVC | (%) ----- | 100.49 | --- | ----- | --- | --- |
| FEV3/FVC | (%) 97.10 | 100.00 | 103 | ----- | --- | --- |
| FET | (Sec) ----- | 00.40 | --- | ----- | --- | --- |
| ExplTime | (Sec) ----- | 00.05 | --- | ----- | --- | --- |
| Lung Age | (Yrs) 022 | 025 | 114 | ----- | --- | --- |
| FEV6 | (L) 02.76 | ----- | --- | ----- | --- | --- |
| FIF25% | (L/s) ----- | 01.99 | --- | ----- | --- | --- |
| FIF50% | (L/s) ----- | 03.78 | --- | ----- | --- | --- |
| FIF75% | (L/s) ----- | 04.50 | --- | ----- | --- | --- |



Pre Test COPD Severity

Test within normal limits

Pre Medication Report Indicates

Mild Restriction as (FEV1/FVC)%Pred >95 and FVC%Pred <80



| | | | |
|---------------|-----------------|--------|------------|
| Employee Name | M Satya praveen | | |
| Age / Gender | 22 years/Male | Date | 07-11-2025 |
| Ref. Dr. | Self | EMP ID | 237075 |

RADIOGRAPH OF CHEST P.A VIEW

- Heart size and contour normal
- Trachea in the midline, No Mediastinal shift.
- Both Hila size, Shape and Density normal
- Both lung fields are clear
- Both C.P angles clear.
- Bony case and soft tissue plans normal.

IMPRESSION: Normal study



Dr. P Janardhan (MD Radiology)
Consultant radiologist

This is a professional opinion. Not for medico legal purpose. Kindly discuss if necessary.

R

M SATYA PRAVEEN 22Y/M 237075 CHEST PA 07-11-2025

SINDU HOSPITAL

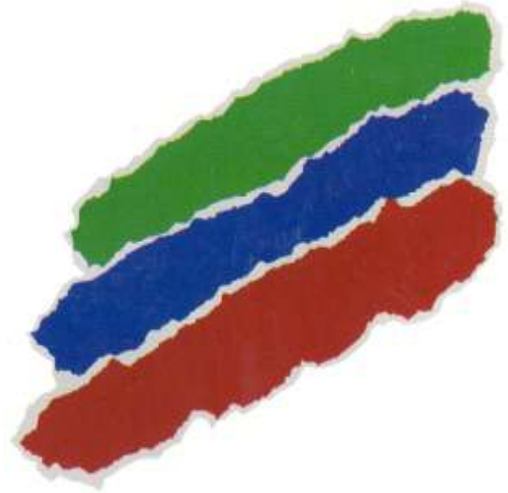
**COMPLIANCE TO THE IMPACT ASSESSMENT AND MITIGATION
MEASURES SUGGESTED BY
NATIONAL INSTITUTE OF OCEANOGRAPHY**

| S.NO | CONDITION | COMPLIANCE | | | | | | | | | | | | | | | | |
|------|---|---|------|--------|------|--|------|------|------|------|------|-------------------|------|----------------------------|------|-----|------|-----|
| 1 | The proposed marine activities will have temporary localized impact on the environment during construction phase and are reversible within a short recovery period because the laying of submarine pipeline is a one-time activity. | Complied. | | | | | | | | | | | | | | | | |
| 2 | Proper mitigation measures should be taken during construction and operational phases to protect the marine ecology from anthropogenic shocks. | Complying. The industry is taking all possible mitigation measures to protect the marine ecology from anthropogenic shocks by way of proper maintenance of diffusers, disposing treated effluents after meeting the standards etc. | | | | | | | | | | | | | | | | |
| 3 | Proper environmental management plan should be envisaged within the industry. The nontoxic nature of the treated effluents and bioassay tests should be performed periodically by the industry's pollution control cell. | Complying. SOPs are in place for all environmental activities and are being followed scrupulously. The industry is disposing the treated effluent after meeting the standards prescribed by APPCB and in the presence of APPCB officials. Bioassay test is being carried and records are in place. As per the directions of APPCB, the industry has assigned the work of Bioassay studies to NIO for one year and the work is going on. Copy of latest Bioassay test report is enclosed as Annexure- a for your information. | | | | | | | | | | | | | | | | |
| 4 | Periodical monitoring of the marine environment after the construction of the plant is essential to assess the health of the coastal environment. The results of this report are site specific and based on one-time observations only. | Complying. The industry is regularly monitoring the marine quality including temperature and salinity at the outfall is being carried through NIO at regular intervals. Till now, the industry has carried marine studies as mentioned below and all reports are in place. <table border="1" data-bbox="869 1653 1449 1942"> <thead> <tr> <th>Year</th> <th>Agency</th> </tr> </thead> <tbody> <tr> <td>2007</td> <td rowspan="5">National Institute of Oceanography (NIO)</td> </tr> <tr> <td>2010</td> </tr> <tr> <td>2012</td> </tr> <tr> <td>2014</td> </tr> <tr> <td>2017</td> </tr> <tr> <td>2019</td> <td>NIO through APPCB</td> </tr> <tr> <td>2020</td> <td>Indomer Coastal Hydraulics</td> </tr> <tr> <td>2022</td> <td>NIO</td> </tr> <tr> <td>2023</td> <td>NIO</td> </tr> </tbody> </table> | Year | Agency | 2007 | National Institute of Oceanography (NIO) | 2010 | 2012 | 2014 | 2017 | 2019 | NIO through APPCB | 2020 | Indomer Coastal Hydraulics | 2022 | NIO | 2023 | NIO |
| Year | Agency | | | | | | | | | | | | | | | | | |
| 2007 | National Institute of Oceanography (NIO) | | | | | | | | | | | | | | | | | |
| 2010 | | | | | | | | | | | | | | | | | | |
| 2012 | | | | | | | | | | | | | | | | | | |
| 2014 | | | | | | | | | | | | | | | | | | |
| 2017 | | | | | | | | | | | | | | | | | | |
| 2019 | NIO through APPCB | | | | | | | | | | | | | | | | | |
| 2020 | Indomer Coastal Hydraulics | | | | | | | | | | | | | | | | | |
| 2022 | NIO | | | | | | | | | | | | | | | | | |
| 2023 | NIO | | | | | | | | | | | | | | | | | |

Monthly monitoring of Eco-toxicity of treated effluent

Sponsored by

**Hetero Infrastructure SEZ Limited
Visakhapatnam**



July 2023

| | | |
|---|---|---|
|  | <p>सीएसआईआर – राष्ट्रीयसमुद्रविज्ञानसंस्थान CSIR-NATIONAL INSTITUTE OF OCEANOGRAPHY (वैज्ञानिकतथाऔद्योगिकअनुसंधानपरिषद) (COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH) दोना पावला, गोवा भारत / DONA PAULA, GOA - 403004 India फ़ोन/Tel : 91(0)832-2450450/ 2450327 फैक्स /Fax: 91(0)832-2450602 इ-मेल/e-mail : ocean@nio.org http:// www.nio.org</p> |  |
|---|---|---|

Monthly monitoring of Eco-toxicity of treated effluent

SPONSORED BY

**Hetero Infrastructure SEZ Limited
Visakhapatnam**



**NATIONAL INSTITUTE OF OCEANOGRAPHY
(Council of Scientific & Industrial Research)
Regional Centre, Visakhapatnam – 530 017**



July 2023

CONTENTS

| | |
|---|-----------|
| Foreword | 4 |
| Contributors to the project | 5 |
| Acknowledgements | 6 |
| Executive Summary | 7 |
| 1. Introduction | 8 |
| <i>1.1. Objectives</i> | 9 |
| <i>1.2. Sample collection</i> | 9 |
| <i>1.3. Methodology</i> | 10 |
| 2. Results | 14 |
| <i>2.1 Treated effluent characteristics</i> | 14 |
| <i>2.2 Eco-toxicology</i> | 16 |
| <i>2.3 Trace metals</i> | 18 |
| <i>2.4 Organic constituents</i> | 20 |
| 3. Summary | 20 |

Foreword

Andhra Pradesh Pollution Control Board (APPCB), zonal office, Visakhapatnam has issued a notice (No. 2313/PCB/ZO-VSP/NIO/2022) on 27th May 2022 to all the marine discharge industries and CETPs to conduct monthly eco-toxicology tests on treated effluent, and trace metals and major organic compounds present in the treated effluent by CSIR-National Institute of Oceanography (NIO), Visakhapatnam. In this connection, M/s. Hetero Infrastructure SEZ Limited contacted CSIR-NIO, Regional Centre, Visakhapatnam to take up a study on monthly assessment of the eco-toxicity (bio-assay), trace metals and major organic compounds of the treated effluent from guard ponds of M/s. Hetero Infrastructure SEZ Limited to fulfil the specific condition of APPCB. After considering the proposal, CSIR-NIO has agreed to carry out the study on monthly assessment of the treated effluent for the above-mentioned investigations. CSIR-NIO conducted field campaign for the month of July on 7th July 2023 and treated effluent was collected from the guard pond No. 5. This report is the compilation of the data obtained for various investigations conducted on the treated effluent.

List of Contributors to the project

Scientist-In-Charge

Dr. V.V.S.S. Sarma

Project Leader

Dr. T.N.R. Srinivas

Data Collection, Processing & Analysis

Dr. M. S. Krishna

Dr. T.N.R. Srinivas

Dr. L. Jagadeesan

Mr. Golokesh Sahoo

Mr. I. Sravan Kumar

Mr. Naveen Panda

Ms. Sreelakshmi

Acknowledgements

The work was sponsored by M/s. Hetero Infrastructure SEZ Limited, Visakhapatnam. CSIR-National Institute of Oceanography (NIO) acknowledges **Shri. Kullayi Reddy Sane**, Associate Vice President, Hetero Infrastructure SEZ Limited, for his keen interest, involvement, support and continuous interaction with us. We are thankful to **Dr. Sunil Kumar Singh**, Director, CSIR-NIO for his support and encouragement to carry out this study.

Executive Summary

As part of continuous monthly studies on assessment of the quality of treated effluent from M/s. Hetero Infrastructure SEZ Limited, the treated effluent was collected from guard pond No. 5 of M/s. Hetero Infrastructure SEZ Limited on 7th July 2023. This treated effluent was tested for its eco-toxicity, levels of trace metals and major organic compounds. A 96 hours long bio-assay experiment was conducted on the treated effluent using zebrafish following the method IS: 6582-1971 as suggested by the CPCB. The results of the bio-assay experiment revealed that the eco-toxicity levels of the treated effluent collected from M/s. Hetero Infrastructure SEZ Limited fulfilled the CPCB standard of '90% survival after 96 hours in the 100% effluent' as the mortality of zebrafish in 100% effluent after 96 hours is 6%. Based on the survival rates of zebrafish at different concentrations of effluent, the median lethal concentrations for 50% and 10% mortality of zebrafishes (LC₅₀ and LC₁₀, respectively) after 96 hours are estimated as 954% and 142%, respectively. Trace metal concentrations determined in the treated effluent are within the limits prescribed by CPCB for treated effluent of sea discharge. Concentration of total phenolic compounds in the treated effluent is very low (0.02mg/l) and it is far below the limit of CPCB for total phenolic compounds (1.0 mg/l). These results suggest that the treated effluent collected from the guard pond No. 5 of M/s. Hetero Infrastructure SEZ Limited on 7th July 2023 is compliance with the CPCB standards.

1. Introduction

Some of the coast-based industries discharge their treated effluent into the sea through a designated marine outfall point after fulfilling the criterion set up by the central pollution control board (CPCB) and Andhra Pradesh state pollution control board (APPCB) for the treated effluent. APPCB has established a lock and key system for the guard ponds to release the treated effluent into the sea after meeting the criterion set up by CPCB and APPCB. There are 7 pharmaceutical industries (Andhra Organics Ltd., Aurobindo Pharma Ltd., Lantech Pharmaceuticals Ltd., SMS Pharmaceuticals Ltd., Divis Laboratories Ltd., Hetero Drugs Ltd., Deccan Fine Chemicals India Pvt. Ltd.) and one text tile industry (Brandix India Apparel City Pvt. Ltd.) processing their effluent in the ETP (effluent treatment plant) and discharge the treated effluent into the coastal waters of north Andhra coast (between Pydibhimavaram and Kesavaram). In addition, two CETPs (common effluent treatment plant), namely, Visakha Pharma City Ltd. and Atchyutapuram effluent treatment plant Ltd. (AETL), process the effluents received from various pharmaceutical industries in the CETP and discharge the treated effluent into the sea. National Thermal Power Corporation and Rashtriya Ispat Nigam Ltd. draw seawater to cool down the warm and high salinity water back to the sea.

Andhra Pradesh Pollution Control Board (APPCB), Visakhapatnam, has issued a notice (No. 2313/PCB/ZO-VSP/NIO/2022) to all sea discharge industries on 27th May 2022 and instructed them to assess the quality of treated effluent on monthly time scales for one year through the bio-assay experiments and the levels of trace metals and major organic compounds in the treated effluent by the CSIR-National Institute of Oceanography, Visakhapatnam. Concerning this, M/s. Hetero Infrastructure SEZ Limited approached CSIR-NIO, Visakhapatnam to carry out the above-mentioned studies on their treated effluent for the period of one year (from August 2022 to July 2023) on monthly time intervals. In this connection, CSIR-NIO collected the treated effluent from the guard

pond No. 5 of M/s. Hetero Infrastructure SEZ Limited on 7th July 2023 and carried out bio-assay experiment for four days using zebrafish and determined the concentration levels of trace metals and major organic compounds present in the treated effluent.

1.1 Objective:

The main objective of this study is to assess the quality of treated effluent from M/s. Hetero Infrastructure SEZ Limited through bio-assay test and concentration levels of trace metals and organic constituents present in the treated effluent, and to compare the results with the CPCB standards for compliance/non-compliance.

1.2 Sample collection:

A Niskin water sampler (10L, plate. 1.1) was used to collect the treated effluent samples from guard pond No. 8 of M/s. Divis Laboratories Limited on 23rd February 2023 for dissolved oxygen (DO), biochemical oxygen demand for three days (BOD₃), pH, dissolved inorganic nutrients and microbial community studies. Water samples were collected in pre-cleaned white jerry cans (20L) for bio-assay studies and filtration of samples for chlorophyll-*a* and total suspended matter.



Plate 1.1: Niskin sampler (10L) used for collection of water samples

1.3 Methodology

The Physicochemical parameters were analysed through the standard procedures following Carrit and Carpenter (1966), Grashoff (1974), Suzuki and Ishimaru (1990) and Grasso et al. (1992). The detailed methodology of each parameter is given below.

a) pH

The pH of the treated effluent sample collected in an air-tight glass bottle (60ml) was measured using a Metrohm pH analyser (Titrand 865). Standard buffer solutions (Merck, Germany) were used to calibrate the instrument. Based on the repeated analysis of aliquots of standards and samples, the precision of the analysis for pH is 0.002 units.

b) Dissolved Oxygen (DO)

Winkler's method was adopted for the determination of DO concentrations. A measured volume of effluent sample was fixed immediately after collection with the reagents Winkler's A (manganous chloride) and Winkler's B (alkaline potassium iodide). Standard titration with sodium thiosulphate was adopted for the analysis purpose. The concentration of DO was expressed in mg/l. The precision of analysis, expressed as standard deviation with this method, was $\pm 0.07\%$.

c) Biochemical Oxygen Demand (BOD)

Samples for the determination of biochemical oxygen demand were collected in triplicate. According to Winkler's method, the dissolved oxygen concentration was immediately determined using one of the triplicate samples. The remaining bottles were left for three days at 20°C in the BOD incubator. Dissolved oxygen in these samples was determined after fixing the samples after three days of incubation. BOD₃ was computed from the initial DO concentrations and expressed in mg/l.

d) Ammonium - Nitrogen (NH₄⁺ -N)

Ammonical - Nitrogen in a treated effluent sample was determined with the indophenol blue method using trione. Care was taken to analyse ammonium, and ammonia free distilled water was used for analysis to avoid contamination, as ammonia is highly soluble in water. The absorbance of the coloured complex was measured at 630 nm in Spectrophotometer against a standard. NH_4 - N is expressed in $\mu\text{mol/l}$ and the precision of analysis, in terms of standard deviation, is $\pm 0.02 \mu\text{mol/l}$

e) Nitrite - Nitrogen (NO_2^- -N)

Nitrite was determined by the method of Bend Schneider and Robinson whereby the nitrite in the water sample was diazotised with sulphanilamide and coupled with N-1-Naphthyl ethylene diamine dihydrochloride. The absorbance of the resultant azo-dye was measured at 543 nm against a standard solution. Concentrations of NO_2^- - N in seawater are expressed in $\mu\text{mol/l}$.

f) Nitrate - Nitrogen (NO_3^- -N)

Nitrate in an effluent sample was first reduced to nitrite using heterogeneous reduction by passing the buffered samples through an amalgamated cadmium column, and the resultant nitrite was determined as above. The measured absorbance was due to the initial nitrite present and nitrite obtained by the reduction of nitrate in the sample. A necessary correction was therefore applied for any nitrite initially present in the sample. Concentrations of NO_3^- - N in seawater were expressed in $\mu\text{mol/l}$. The precision of analysis for both nitrite and nitrate, in terms of standard deviation, is $\pm 0.02 \mu\text{mol/l}$

g) Phosphate - Phosphorus (PO_4^{3-} -P)

Inorganic phosphate was measured by the method of Murphy and Riley, in which the samples were made to react with acidified molybdate reagent and then reduced using ascorbic acid. The absorbance of the resultant phosphorous molybdenum blue complex was

measured at 880 nm against a standard. Concentrations of PO_4^{3-} - P in effluent samples were expressed in $\mu\text{mol/l}$. The precision of analysis, in terms of standard deviation, is $\pm 0.01 \mu\text{mol/l}$.

h) Silicate - Silicon (SiO_4^{2-} - Si)

Silicate-silicon was also estimated by reaction with acid-molybdate and ascorbic acid in the presence of oxalic acid. The addition of oxalic acid prevents the interference of phosphate. The absorbance of the resultant silico - molybdenum blue complex was measured at 810 nm in Spectrophotometer against a standard. Concentrations of SiO_4^{2-} - Si in effluent sample were expressed in $\mu\text{mol/l}$. The precision of analysis, expressed as standard deviation, is $\pm 0.02 \mu\text{mol/l}$.

i) Total suspended matter (TSM)

One litre of effluent sample was filtered through a pre-weighed Polycarbonate filter (0.47 μm ; Millipore), and after filtration, the filter was dried for about 2 days at 60°C . The dried filter was weighed, and noted down the reading. The filter was dried again, and took the weight measurement. This procedure was continued until the weight loss of the filter due to drying was zero. The weight of the material retained on the filter was considered TSM concentration and expressed as mg/l .

j) Bio-assay test (Eco-toxicology test)

The bio-assay test was performed following the CPCB standard method (IS:6582-1971) using zebrafish (*D. Rerio*) as the test species. The bio-assay test was conducted on different effluent concentrations, such as 0% (control), 10%, 20%, 30%, 50%, 60%, 90% and 100%, and the test was conducted for 4 days (96 hours.). Mortality of zebrafishes in different concentrations was noted at regular time intervals of 1h, 6h, 12h, 24h, 36h, 48h, 60h, 72h,

84h and 96 hours. LDP line software was used to calculate treated effluent's median lethal concentration (LC50 and LC10) for 24h, 48h, 72h and 96 hours.

k) Trace metals

Trace metal concentrations in the treated effluent sample collected from the industry's guard pond were filtered through a 0.22 μm polycarbonate filter to remove the particles. The filtered water was analysed for trace metals by Inductively Coupled Plasma–Mass Spectrometer (ICP-MS). Internal standards, such as Li, Sc, Ge, Y, In, Tb and Bi, were added to the effluent sample and determined the concentrations of these elements, along with other trace metals, to monitor the performance of the ICP-MS instrument. International standard (NIST 1640a) was run to check the accuracy of the trace metal concentration. The calibration curve was established by running the standards of different concentrations (0.5, 1.0, 5.0, 25, 50 and 100 PPB) before analysing effluent samples. The linear fit with a r^2 value of 0.9999 was obtained in most cases.

l) Microbiological analysis

About 100 ml of the sample was sub-sampled into a pre-sterilised bottle for bacterial analysis. All samples were collected with precautions required for microbiological analysis and analysed in the laboratory. The sample was serially diluted thrice to obtain 10^{-1} to 10^{-3} dilutions with sterile salt water. Heterotrophic bacterial counts were determined using R2A agar. Around 100 μl of each serially diluted water sample is plated on R2A agar plates, spread with a sterile glass rod, and incubated at 37 °C for 48-72 hours. After considering the dilution factor, the colonies formed on the plates are counted using the colony counter and represented as a number of colony-forming units per ml of water sample (CFU/ml). MacConkey agar is used to obtain total coliform counts. The colonies of pink-red colour and

with bile precipitate are counted as ECLO (*Escherichia coli* like organism) on MacConkey agar plates. The colourless to pale pink colonies are counted as EFLO (*Enterococcus faecalis* like organism) on MacConkey agar plates. TCBS agar is used to obtain VLO (*Vibrio* like organism) counts. The colonies formed on the TCBS agar plates are counted as VLO. The colonies of yellow colour are counted as VCLO (*Vibrio cholerae* like organism) on TCBS agar plates. The colonies of bluish-green colour are counted as VPLO (*Vibrio parahaemolyticus* like organism) on TCBS agar plates.

2 Results

2.1 Treated effluent characteristics

Treated effluent was tested for DO, BOD₃, pH, TSM and dissolved inorganic nutrients and the results were provided in Table 2.1.

| S. No. | Parameter | Concentrations | CPCB standard* |
|--------|-------------------------|----------------|----------------|
| 1 | DO (mg/l) | 7.79 | - |
| 2 | BOD ₃ (mg/l) | 2.53 | 30 |
| 3 | pH | 7.211 | 6.0 – 8.5 |
| 4 | Nitrate-N | 1.01 | - |
| 5 | Phosphate -P | 1.18 | 5.0 |
| 6 | Silicate -Si | 0.78 | - |
| 7 | TSM (mg/l) | 14.0 | 100 |

*: as per Environment (Protection) Second Amendment Rules, 2021

Dissolved oxygen (DO) concentration of the treated effluent is 7.79 mg/l. BOD₃ of the effluent is 2.53 mg/l which is far below the standard limit of 30 mg/l set by CPCB. pH of the treated effluent is 7.211 and it is well within the CPCB limit of 6.0 - 8.5 (Table 2.1). Concentration of total suspended matter (TSM) is low and it is only 14.0 mg/l. TSM

concentration in treated effluent is below the standard limit of 100 mg/l set by CPCB. Dissolved inorganic nutrients such as nitrate and phosphate concentrations in the effluent are within the standard limits of CPCB.

Abundance (CFU/ml) of various bacterial populations in the effluent of M/s. Hetero Infrastructure SEZ Limited is given in Table 2.2. The total viable count (TVC) was 0.6×10^5 CFU/ml, which is within the range of the TVC found in the coastal waters off the north Andhra coast ($0.003 - 1.94 \times 10^5$ CFU/ml). ECLO counts in the treated effluent (500 CFU/ml) are. Well within the range of ECLO counts reported in the coastal waters of the north Andhra coast (0-1600 CFU/ml) in 2018. EFLO (*Enterococcus faecalis* like organism), VLO (*Vibrio* like organism), and VCLO (*Vibrio cholerae* like organism) VPLO (*Vibrio parahaemolyticus* like organism) were not grown.

Table 2.2: Abundance of various bacterial populations in the effluent of M/s. Hetero Infrastructure SEZ Limited

| Bacteria | Abundance (CFU/ml) |
|----------|--------------------|
| TVC | 0.6×10^5 |
| ECLO | 0.5×10^3 |
| EFLO | NG |
| VLO | NG |
| VCLO | NG |
| VPLO | NG |

- TVC** Total Viable Count
ECLO *Escherichia coli* like organism Count
EFLO *Enterococcus faecalis* like organism Count
VLO *Vibrio* like organism Count
VCLO *Vibrio cholerae* like organism Count

| | |
|-------------|--|
| VPLO | <i>Vibrio parahaemolyticus</i> like organism Count |
| NG | No Growth |

2.2 Bio-assay test

Survival rate of zebrafish at various time intervals during the experiment period of 96 hours in different concentrations of treated effluent was given in Table 2.3

Effluent concentration of 0% represent the control and no mortality of zebrafish was observed in the control. The first mortality of zebrafish was observed in the effluent concentration of 60% after 60 hours of the experiment. In the 100% effluent concentration, the first mortality was observed after 24 hours of the experiment and 94% of zebrafish were survived after completion of the experiment (i.e., 96 hours) (Table 2.3).

Table 2.3: Survival rate (%) of zebrafish at different time periods exposed to different concentrations of effluent

| Exposure time | Effluent Concentration | | | | | | | |
|------------------|------------------------|-----|-----|-----|-----|-----|-----|------|
| | Control | 10% | 20% | 30% | 50% | 60% | 90% | 100% |
| 1 hr | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 6 hr | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 12 hr | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 24 hr | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 36 hr | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 97 |
| 48 hr | 100 | 100 | 100 | 100 | 100 | 100 | 97 | 97 |
| 60 hr | 100 | 100 | 100 | 100 | 100 | 100 | 97 | 97 |
| 72 hr | 100 | 100 | 100 | 100 | 100 | 97 | 97 | 94 |
| 84 hr | 100 | 100 | 100 | 100 | 100 | 97 | 94 | 94 |
| 96 hr | 100 | 100 | 100 | 100 | 100 | 97 | 94 | 94 |

Mortality rate of zebrafish (%) observed in the test concentrations of 0%, 10%, 20%, 30%, 50%, 60%, 90% and 100% during the exposure time of 24 h, 48 h, 72 h and 96 hours was given in the Table 2.4.

Table 2.4: Cumulative mortality of zebrafishes in different concentrations of effluent at exposure periods of 24h, 48h, 72h and 96 hours.

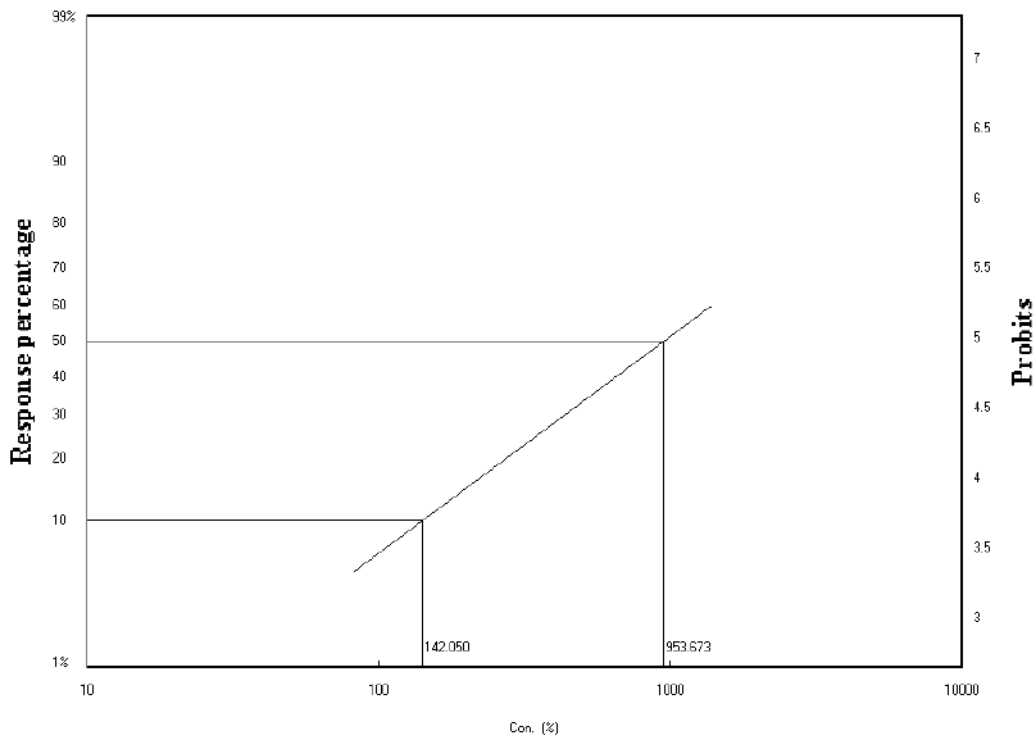
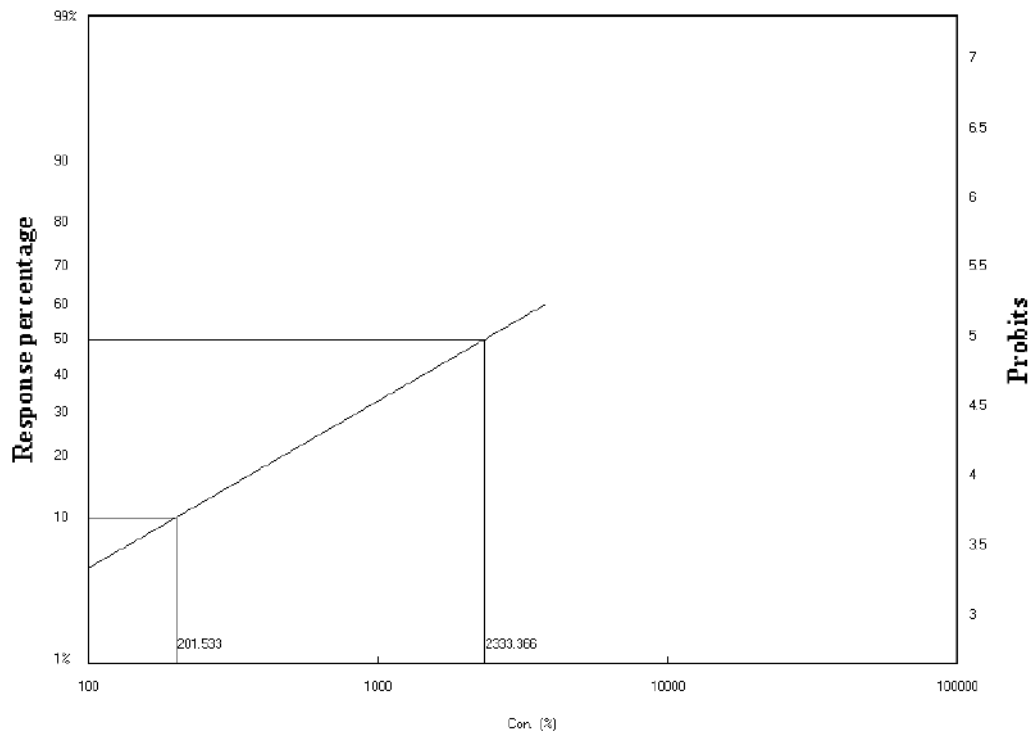
| Test concentrations (% v/v) | Cumulative Mortality (%) of zebrafish | | | |
|--------------------------------|---------------------------------------|----|----|----|
| | Exposure periods (hr) | | | |
| | 24 | 48 | 72 | 96 |
| Control (0%) | 0 | 0 | 0 | 0 |
| 10% | 0 | 0 | 0 | 0 |
| 20% | 0 | 0 | 0 | 0 |
| 30% | 0 | 0 | 0 | 0 |
| 50% | 0 | 0 | 0 | 0 |
| 60% | 0 | 0 | 3 | 3 |
| 90% | 0 | 3 | 3 | 6 |
| 100% | 0 | 3 | 6 | 6 |

Based on the above observations, median lethal concentrations for the mortality of 50% and 10% of test organisms (LC₅₀ and LC₁₀, respectively) of treated effluent after 72h and 96h of the experiment were calculated using LDP Line software and were given in Table 2.5.

Table 2.5: Median Lethal concentrations (LC₅₀ and LC₁₀) of effluent at exposure periods of 24h, 48h, 72h and 96 hours.

| Exposure time (h) | LC ₅₀ (%) | LC ₁₀ (%) |
|-------------------|----------------------|----------------------|
| 24 | - | - |
| 48 | - | - |
| 72 | 2333 | 201 |

| | | |
|----|-----|-----|
| 96 | 954 | 142 |
|----|-----|-----|



2.3 Trace metals

Trace metals in the seawater are essential for biota, however, elevated concentrations of trace metals cause negative impact on the biological organisms. Further, accumulation of heavy metals in the tissues of edible fishes through biomagnification enters into humans. Hence, determination of trace (heavy) metals concentrations in the coastal waters are very important. Treated effluent release in to the sea from industries is one of the possible sources of trace metals in the coastal waters. Hence, trace metals such as vanadium (V), chromium (Cr), manganese (Mn), Iron (Fe), cobalt (Co), nickel (Ni), copper (Cu), zinc (Zn), Arsenic (As), Selenium (Se), cadmium (Cd) and lead (Pb) were analysed by ICP-MS in the treated effluent collected from M/s. Hetero Infrastructure SEZ Limited. Concentrations of these metals in the effluent are given in Table 2.6 and compared with the standard (maximum) limits of CPCB for these trace metals in the treated effluent for sea discharge.

Table 2.6: Trace element concentrations in the treated effluent

| Element | Effluent Conc. (µg/l) | CPCB limit (µg/l) |
|----------------|------------------------------|--------------------------|
| V | 1.31 | 200 |
| Cr | 3.15 | 2000 |
| Mn | 71.5 | 2000 |
| Fe | 59.6 | 3000 |
| Co | 0.10 | - |
| Ni | 0.92 | 2000 |
| Cu | 0.47 | 3000 |
| Zn | 11.2 | 5000 |
| As | 0.13 | 200 |
| Se | 0.16 | 50 |
| Cd | 0.02 | 50 |

| | | |
|----|-------|-----|
| Pb | n. d. | 100 |
|----|-------|-----|

All the elements listed above are very well within the standard limits of CPCB for effluent for sea discharge, suggesting that treated effluent release into the sea from M/s. Hetero Infrastructure SEZ Limited may not result in any accumulation of trace elements in the coastal waters of north Andhra coast.

2.4 Organic compounds

Total phenolic compounds present in the treated effluent collected from the guard pond were determined using spectrophotometer. The concentration of total phenolic compounds in the treated effluent is very low and it is only 0.02 mg/l and it is very low compared to the limit of CPCB for total phenolic compounds (1.0 mg/l).

3. Conclusion

Treated effluent collected from the guard pond No. 5 of M/s. Hetero Infrastructure SEZ Limited fulfilled the norms of CPCB for bio-assay test with the survival rate of 94% for zebrafish in 100% effluent after 96 hours. Trace metal concentrations in the treated effluent are very well within the limits of CPCB. The concentration of total phenolic compounds in the treated effluent is 0.02 mg/l and is very well within the limit of CPCB for phenolic compounds (1.0 mg/l). Over all, the characteristics of the treated effluent collected from guard pond No. 5 of M/s. Hetero Infrastructure SEZ Limited on 7th July 2023 is compliance with the CPCB standards.

Hetero Labs Limited (Unit – III)

Green Belt Photos



Hetero Labs Limited (Unit – III)

Green Belt Photos



Hetero Labs Limited (Unit – III)

Green Belt Photos





HETERO LABS LIMITED (UNIT-III)
S.No. 120 & 128, 150 (PART), 150/1, 151/2, 158/1,
N.Narasapuram (Village),
Nallamattipalem (V), Nakkapalli (Mandal),
Anakapalli (Dist) - 531 081., A.P., INDIA.
Tel : +91 891 2877900, Fax: +91 891 2877933
CIN: U24110AP1989PLC009723

01 January 2026

Letter No: HLL-III /EHS/APPCB/2025-26/14

**The Environmental Engineer
Regional Office
A.P.Pollution Control Board
Visakhapatnam**

Dear Sir,

**Sub : Submission of Six-Monthly Compliance Report to the condition of CTO
Regarding.
Ref : CTO order No: APPCB/VSP/VSP/137/HO/CTO/2024–Dated 19/01/2025.**

With reference to the above, please find enclosed six-monthly compliance Report to the condition of CTO for the period July 2025 to December 2025 duly certified by the third party with all necessary enclosures for your information and perusal.

Submitting for your kind information and record please.

Thanking you, Sir

Yours faithfully,
For Hetero Labs Ltd, Unit –III

**S. Kullayi Reddy
Associate vice president-EHS**

Enclosure: As Above

**CC : The Joint Chief Environmental Engineer – for information and perusal
Zonal office
Andhra Pradesh Pollution Control Board
Vishakhapatnam**



SV ENVIRO LABS & RESEARCH PRIVATE LIMITED

formerly known as SV ENVIRO LABS & CONSULTANTS
Researching for better Environmental Solutions



Date: 01.01.2026

To

Sr. Associate Vice President -EHS,
M/s. Hetero Labs Limited (Unit-III)
N. Narasapuram Village,
Nakkapalli Mandal,
Anakapalli District.

Sir,

Sub: Certified Compliance report for CTO of M/s. Hetero Labs Limited (Unit-III).

Audited by SV Enviro Labs & Research Private Limited (Formerly Known as SV Enviro Labs & Consultants) NABL Accredited third party- Reg.

Ref: 1) CONSENT ORDER No. APPCB/VSP/VSP/137/HO/CTO/2024, DATE: 19.01.2025.

We wish to inform you that, we SV Enviro Labs & Research Private Limited (Formerly Known as SV Enviro Labs & Consultants) accredited by NABET/NABL located at Enviro House, B1, Block 'B'-IDA, Auto Nagar, Visakhapatnam herewith submit audited report for M/s. Hetero Labs Limited -Unit-III, located at R. Sy. No. 119, 126, 150, 120, 125 (P), 138(P), 150(P), 151/1, 151/2 (P), 158/1 N. Narasapuram Village, Nakkapalli Mandal, Anakapalli District for Consent For Operation obtained from AP Pollution Control Board for the period of 01st July 2025 to 31st December 2025 (as on 01st January 2026) after completing site visit.

With reference cited (1) above, we have prepared certified compliance report for Consent & Authorization.

Thanks and Regards,

SV Enviro Labs & Research Private Limited
(Formerly Known as SV Enviro Labs & Consultants)


Authorized Signatory

Corporate Office and Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam - 530012
Hyderabad Office: #402, SaiKrishna Villa, Behind CMR Shopping Mall, AS Raju Nagar, Kukatpally, Hyderabad - 500072

Website: www.svenviolabs.com

E-Mails : info@svenviolabs.com, svenviro_labs@yahoo.co.in

Contacts

0891-2755528, +91 7207064444

PAN: ABQCS0643F

CIN: U74909AP2025PTC119098



**COMPLIANCE TO THE CONDITIONS OF CONSENT & AUTHORIZATION ORDER
CONSENT ORDER NO. APPCB/ VSP/137/HO/CTO/2024 DATED 19/01/2025.
COMPLIANCE PERIOD- JULY 2025 TO DECEMBER 2025**

| S. No | CONDITION | COMPLIANCE |
|-------------------|---|---|
| SCHEDULE-A | | |
| 1 | Any up-set condition in any industrial plant / activity of the industry, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits. | Noted and will be followed. Till now there are no upset conditions in the plant. If any upset conditions in the plant will be addressed for correction and will be intimated to APPCB under intimation to District Collector. |
| 2 | The industry should carryout analysis of wastewater discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board. | Complying. Analysis of wastewater and emissions are being carried out by NABL accredited lab approved by MoEF&CC (third party) on monthly basis and the reports are being submitted to the Regional Office, AP Pollution Control Board, Visakhapatnam. Copy of recent analysis reports are enclosed as Annexure-I . |
| 3 | All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable. | Complying. The industry is having valid PLI policy which includes Environmental Relief Fund (ERF) and is valid up to 14/04/2026. Copy of PLI policy is enclosed as Annexure-II . |
| 4 | The industry should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CTO and exhibit the CTO order at a prominent place in the factory premises. | CTO order details have been displayed at the main gate. photograph of the display board is enclosed as Annexure- III . |
| 5 | Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board. | Noted and agreed upon. |
| 6 | The industry shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board. | Noted and being complied. Industry is obtaining prior permission (CTE) as & when required for changes in the products, process technology, source & composition of raw materials and scope of working. |
| 7 | The applicant shall submit Environment statement in Form V before 30 th | Complying. |

HETERO LABS LIMITED, UNIT-III

| | | |
|----|--|--|
| | September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof. | Environmental Statement in Form-V is being regularly submitted to the Board before 30 th September of every year. Copy of Form-V for the financial year 2024-25 is enclosed as Annexure-IV for your ready reference. |
| 8 | The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board. | Complied with. The present consent order is valid till 31.12.2027. The application for renewal of consent order through online will be submitted 120 days before expiry of the order, including fee & compliance of CTO conditions. |
| 9 | The industry should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board. | Noted and being complied. The industry is applying for CTE for change in the products, Raw materials etc from time to time. Any Change in the management will be informed to the Board well in time. The person authorized will not let out the premises/ lend/ sell/transfer their industrial premises without obtaining prior permission of the State Pollution Control Board. |
| 10 | Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981. | Noted and agreed upon |
| 11 | The industry shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue. | Noted and agreed upon. |

HETERO LABS LIMITED, UNIT-III

| | | |
|----|--|---|
| 12 | The industry may explore the possibility of tapping the solar energy for their energy requirements. | Noted and will Comply. At present, the industry is using the power from Hetero Wind power and also from the captive power plant installed in the premises of M/s Hetero Infrastructure SEZ Ltd. The industry will explore the possibility & feasibility of tapping solar energy. |
| 13 | The industry should educate the workers and nearby public of possible accidents and remedial measures. | Complying. The industry is imparting training to all the employees on possible accidents and remedial measures as per the training calendar. Providing awareness camps to the nearby villagers. |

SCHEDULE-B

| | | |
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| 1 | The industry shall install separate energy meters to the scrubber connected to the process reactors to ensure the continuous operation of the scrubber within 15 days. | Complied. |
| 2 | The industry shall construct rainwater run-off tank for collection and storage of first flush storm water and construct check dam at the common storm water drain from all the blocks to avoid the flow towards natural drain coming from the upstream i.e., Upmaka. | Complied. The industry has provided collection tanks with pumping arrangement for the first forerun of storm water at the end of every storm water drain. The industry has closed all outlets leading to natural canal and constructed separate RCC canal parallel to the natural canal for the drainage of storm water from the units. |
| 3 | The industry shall comply with the outcome of the Hon'ble NGT directions in OA No. 23 of 2022 as applicable in future. | The industry will comply with the outcome of the Hon'ble NGT directions in OA No. 23 of 2022 after final verdict of the Hon'ble NGT. |
| 4 | The industry shall submit disposal (sale) details of the above by-products every month to the concerned Regional Office & Zonal Office. In case the by-products cannot be sold in the market due to any reasons, the by-products shall be treated as waste and disposed as per the norms | Complying. The industry is submitting the disposal details of by-products on monthly basis to RO, APPCB, Visakhapatnam, |

WATER POLLUTION

| 4 | The LTDS effluents sent to CETP of M/s. Hetero Infrastructure SEZ Ltd., shall not contain constituents in excess of the tolerance limits mentioned below: | Complied. The LTDS effluent generated by the industry is meeting the standards prescribed by the Board before sending to the CETP of M/s. Hetero Infrastructure SEZ Ltd for treatment and disposal. | | | | | | | | | | | | | | | | | | | | |
|--------|---|---|-----------|-----------------------|---|----|-------------|----------------|-------|-----|-------------|-----|----------|-----|------------|-----|-------------|----------------|---------|--------------------------------|--------|--|
| | <table border="1"> <thead> <tr> <th>Outlet</th> <th>Parameter</th> <th>Concentration in mg/l</th> </tr> </thead> <tbody> <tr> <td rowspan="8">2</td> <td>pH</td> <td>6.50 – 8.50</td> </tr> <tr> <td>Temperature °C</td> <td><45°C</td> </tr> <tr> <td>TDS</td> <td>15,000 mg/L</td> </tr> <tr> <td>TSS</td> <td>600 mg/L</td> </tr> <tr> <td>BOD</td> <td>3,000 mg/L</td> </tr> <tr> <td>COD</td> <td>15,000 mg/L</td> </tr> <tr> <td>Oil and Grease</td> <td>20 mg/L</td> </tr> <tr> <td>Chromium Hexavalent (as Cr +6)</td> <td>2 mg/L</td> </tr> </tbody> </table> | Outlet | Parameter | Concentration in mg/l | 2 | pH | 6.50 – 8.50 | Temperature °C | <45°C | TDS | 15,000 mg/L | TSS | 600 mg/L | BOD | 3,000 mg/L | COD | 15,000 mg/L | Oil and Grease | 20 mg/L | Chromium Hexavalent (as Cr +6) | 2 mg/L | |
| Outlet | Parameter | Concentration in mg/l | | | | | | | | | | | | | | | | | | | | |
| 2 | pH | 6.50 – 8.50 | | | | | | | | | | | | | | | | | | | | |
| | Temperature °C | <45°C | | | | | | | | | | | | | | | | | | | | |
| | TDS | 15,000 mg/L | | | | | | | | | | | | | | | | | | | | |
| | TSS | 600 mg/L | | | | | | | | | | | | | | | | | | | | |
| | BOD | 3,000 mg/L | | | | | | | | | | | | | | | | | | | | |
| | COD | 15,000 mg/L | | | | | | | | | | | | | | | | | | | | |
| | Oil and Grease | 20 mg/L | | | | | | | | | | | | | | | | | | | | |
| | Chromium Hexavalent (as Cr +6) | 2 mg/L | | | | | | | | | | | | | | | | | | | | |

HETERO LABS LIMITED, UNIT-III

| | <table border="1"> <tr><td>Chromium (total) (as Cr)</td><td>2 mg/L</td></tr> <tr><td>Ammonical Nitrogen (as N)</td><td>30 mg/L</td></tr> <tr><td>Cynide (as CN)</td><td>0.20 mg/L</td></tr> <tr><td>Lead (as Pb)</td><td>1 mg/L</td></tr> <tr><td>Nickel (as Ni)</td><td>3 mg/L</td></tr> <tr><td>Zinc (as Zn)</td><td>15 mg/L</td></tr> <tr><td>Arsenic (as As)</td><td>0.20 mg/L</td></tr> <tr><td>Mercury (as Hg)</td><td>0.01 mg/L</td></tr> </table> <p>(The industry shall segregate the HTDS & LTDS effluent streams and the effluents which are not meeting the above standards shall be treated as HTDS effluents and shall be sent to MEE of M/s. Hetero Infrastructure SEZ Ltd., for evaporation)</p> | Chromium (total) (as Cr) | 2 mg/L | Ammonical Nitrogen (as N) | 30 mg/L | Cynide (as CN) | 0.20 mg/L | Lead (as Pb) | 1 mg/L | Nickel (as Ni) | 3 mg/L | Zinc (as Zn) | 15 mg/L | Arsenic (as As) | 0.20 mg/L | Mercury (as Hg) | 0.01 mg/L | | | |
|---------------------------|---|--|-----------|---------------------------|---------|--------------------|-----------|--------------|----------------------|----------------|---------|--|---------|--|-----------|-----------------|--------------|--|---------------|--|
| Chromium (total) (as Cr) | 2 mg/L | | | | | | | | | | | | | | | | | | | |
| Ammonical Nitrogen (as N) | 30 mg/L | | | | | | | | | | | | | | | | | | | |
| Cynide (as CN) | 0.20 mg/L | | | | | | | | | | | | | | | | | | | |
| Lead (as Pb) | 1 mg/L | | | | | | | | | | | | | | | | | | | |
| Nickel (as Ni) | 3 mg/L | | | | | | | | | | | | | | | | | | | |
| Zinc (as Zn) | 15 mg/L | | | | | | | | | | | | | | | | | | | |
| Arsenic (as As) | 0.20 mg/L | | | | | | | | | | | | | | | | | | | |
| Mercury (as Hg) | 0.01 mg/L | | | | | | | | | | | | | | | | | | | |
| 5 | <p>The source of water supply is Sea Water — Desalination Plant. The following is the permitted water consumption:</p> <table border="1"> <thead> <tr><th>S.no</th><th>Purpose</th><th>Qty (KL)</th></tr> </thead> <tbody> <tr><td>1</td><td>Process & Washings</td><td>603.05</td></tr> <tr><td>2</td><td>Cooling Tower makeup</td><td>600</td></tr> <tr><td>3</td><td>Greenbelt Development & Civil works</td><td>200</td></tr> <tr><td>4</td><td>Domestic</td><td>120</td></tr> <tr><td colspan="2" style="text-align: center;">Total</td><td>1523.0</td></tr> </tbody> </table> <p>Separate meters with necessary pipeline shall be maintained for assessing the quantity of water used for each of the purposes mentioned above for less assessment purpose.</p> | S.no | Purpose | Qty (KL) | 1 | Process & Washings | 603.05 | 2 | Cooling Tower makeup | 600 | 3 | Greenbelt Development & Civil works | 200 | 4 | Domestic | 120 | Total | | 1523.0 | <p>Complying.</p> <ul style="list-style-type: none"> ➤ The industry is using the water from Sea Water Desalination plant of M/s Hetero Infrastructure SEZ Ltd. ➤ The industry's water consumption is well within the permitted quantities. ➤ The industry has installed water meters block wise for measuring water consumption. <p>Copy of water consumption data for last six months (June 2025 to November 2025) is enclosed as Annexure- V.</p> |
| S.no | Purpose | Qty (KL) | | | | | | | | | | | | | | | | | | |
| 1 | Process & Washings | 603.05 | | | | | | | | | | | | | | | | | | |
| 2 | Cooling Tower makeup | 600 | | | | | | | | | | | | | | | | | | |
| 3 | Greenbelt Development & Civil works | 200 | | | | | | | | | | | | | | | | | | |
| 4 | Domestic | 120 | | | | | | | | | | | | | | | | | | |
| Total | | 1523.0 | | | | | | | | | | | | | | | | | | |
| 6 | <p>The effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below:</p> <table border="1"> <thead> <tr><th>Outlet</th><th>Parameter</th><th>Limiting Standards</th></tr> </thead> <tbody> <tr><td rowspan="4">3.</td><td>pH</td><td>6.5 - 9.0</td></tr> <tr><td>TSS</td><td><100 mg/l</td></tr> <tr><td>BOD</td><td>30 mg/l</td></tr> <tr><td>Fecal coliform (FC) (Most probable number per 100 millilitres, MPN/100 ml)</td><td><1000</td></tr> </tbody> </table> | Outlet | Parameter | Limiting Standards | 3. | pH | 6.5 - 9.0 | TSS | <100 mg/l | BOD | 30 mg/l | Fecal coliform (FC) (Most probable number per 100 millilitres, MPN/100 ml) | <1000 | <p>Complied.</p> <p>The treated domestic wastewater (outlet of STP) is meeting the standards prescribed by the Board.</p> | | | | | | |
| Outlet | Parameter | Limiting Standards | | | | | | | | | | | | | | | | | | |
| 3. | pH | 6.5 - 9.0 | | | | | | | | | | | | | | | | | | |
| | TSS | <100 mg/l | | | | | | | | | | | | | | | | | | |
| | BOD | 30 mg/l | | | | | | | | | | | | | | | | | | |
| | Fecal coliform (FC) (Most probable number per 100 millilitres, MPN/100 ml) | <1000 | | | | | | | | | | | | | | | | | | |
| 7 | <p>The industry shall maintain Electro Magnetic flow meters with totalizers for water consumption, effluent generation mentioned in the Order</p> | <p>Complying.</p> <p>The industry has installed Electro Magnetic flow meters with totalizers for water consumption, Effluent Generation (both LTDS & HTDS effluents) as stipulated in the CTO order to measure the quantity of effluents generated and transporting to M/s Hetero Infrastructure SEZ Ltd.</p> | | | | | | | | | | | | | | | | | | |
| 8 | <p>The LTDS and HTDS effluents shall be stored in above ground collection tanks separately.</p> | <p>Complying.</p> <p>The industry is storing the LTDS and HTDS effluents separately in the above the ground storage tanks at production blocks. Also, all the collection tanks of CETP (Equalization tanks) are constructed above ground only.</p> | | | | | | | | | | | | | | | | | | |

HETERO LABS LIMITED, UNIT-III


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| 9 | The industry shall maintain HDPE tanks in the effluent collection tank (both locations al block and common collection point). The effluent shall be connected to the HDPE tanks and from the HDPE tanks, effluent shall be pumped to the ETP. Free space shall be maintained around the HDPE tanks to observe leakages if any. | Complying. Effluent Collection tanks installed at production block are above ground and adequate free space is being maintained in the tank. Effluent from the collection tanks is being pumped to CETP of M/s Hetero Infrastructure SEZ Ltd through closed above ground pipelines. |
| 10 | Effluents shall not be discharged on land or any water bodies or aquifers or outside under any circumstances. | Complying. The industry is not discharging the effluents on land or any other water bodies or aquifers. |
| 11 | Floor washings shall be admitted into effluent collection system only and shall not be allowed to find their way into storm water drains or open areas. | Complying. Floor washing of the production blocks are collected and pumped to effluent storage tanks near production blocks. The industry is not allowing floor washing to enter storm water drains or open areas. |
| 12 | The industry shall maintain containers detoxification facility. Container & Container liners shall be detoxified at the specified covered platform with dyke walls and the wash wastewater shall be routed to low TDS collection tanks. | Complying. The industry is maintaining dedicated detoxification facility in the premises and wash water is being routed to LTDS Collection tank of CETP for further treatment & disposal. The platform is provided with adequate dyke and collection pit. |
| 13 | The industry shall maintain hood on the top of the effluent storage tanks and vent connected to scrubber. | Complying. The industry has installed & maintaining hoods on the top of the effluent storage tanks (Equalization tanks) of CETP of M/s Hetero Infrastructure SEZ Ltd and vent connected to scrubber. |
| 14 | The industry shall maintain web camera and flow meters provided for HTDS & LTDS effluents properly and same connected to CPCB & APPCB servers, as per CPCB directions dt. 05.02.2014 / 02.03.2015. | Complying. The industry is maintaining web camera and flow meters in good working condition for both HTDS & LTDS effluents pumped to CETP and connected to both CPCB & APPCB servers, as per the CPCB directions dt. 05.02.2014 / 02.03.2015. |
| 15 | Rainwater shall not be allowed to mix with either trade or domestic effluents. Industry shall maintain storm water drains, properly. | Complying. The industry is maintaining Storm water drains properly (dry condition during non-rainy season) and not allowing the effluents (trade or domestic effluents) to mix with storm water. |
| 16 | The industry shall maintain rainwater runoff tank with pump for collection and storage of first flush contaminated storm water and the same shall be sent to CETP for further treatment. The industry shall maintain dry condition in outside drains during non-rainy season. | Complying. The industry has provided collection tanks with pumping arrangement for the first forerun of storm water at the end of every storm water drain and the same shall be sent to CETP for further treatment (if found any contamination) The industry is maintaining Storm water drains in dry condition during non-rainy season. |

| AIR POLLUTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|--|-----------|-----------------------------|---|-----|----|-----|----|---------------------|----|----------|----|-----------------|-----|----|-----|----|----------|----|---------|---|---------|-----|--------------|------|-----------------|-----|--------|-----|---------|------|--|
| 16 | <p>The emissions shall not contain constituents in excess of the prescribed limits mentioned below:</p> <table border="1" data-bbox="256 338 821 757"> <thead> <tr> <th>Chimney No.</th> <th>Parameter</th> <th>Emission Standards (mg/Nm3)</th> </tr> </thead> <tbody> <tr> <td rowspan="4">2</td> <td>HCL</td> <td>35</td> </tr> <tr> <td>NH3</td> <td>30</td> </tr> <tr> <td>Sulphuric acid mist</td> <td>50</td> </tr> <tr> <td>Chlorine</td> <td>15</td> </tr> <tr> <td rowspan="8">Tank farm vents</td> <td>HCL</td> <td>35</td> </tr> <tr> <td>NH3</td> <td>30</td> </tr> <tr> <td>Chlorine</td> <td>15</td> </tr> <tr> <td>Benzene</td> <td>5</td> </tr> <tr> <td>Toluene</td> <td>100</td> </tr> <tr> <td>Acetonitrile</td> <td>1000</td> </tr> <tr> <td>Dichloromethane</td> <td>200</td> </tr> <tr> <td>Xylene</td> <td>100</td> </tr> <tr> <td>Acetone</td> <td>2000</td> </tr> </tbody> </table> | Chimney No. | Parameter | Emission Standards (mg/Nm3) | 2 | HCL | 35 | NH3 | 30 | Sulphuric acid mist | 50 | Chlorine | 15 | Tank farm vents | HCL | 35 | NH3 | 30 | Chlorine | 15 | Benzene | 5 | Toluene | 100 | Acetonitrile | 1000 | Dichloromethane | 200 | Xylene | 100 | Acetone | 2000 | <p>Complying.</p> <p>All the emissions are well within the norms stipulated by the board.</p> |
| Chimney No. | Parameter | Emission Standards (mg/Nm3) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | HCL | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | NH3 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sulphuric acid mist | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Chlorine | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tank farm vents | HCL | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | NH3 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Chlorine | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Benzene | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Toluene | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Acetonitrile | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Dichloromethane | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Xylene | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acetone | 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | <p>The industry shall comply with ambient air quality standards of PM₁₀ (Particulate Matter size less than 10mg) - 100 mg/ m³; PM_{2.5} (Particulate Matter size less than 2.5 mg) - 60 mg/ m³; SO₂ - 80 mg/ m³; NO_x - 80 mg/m³, outside the factory premises at the periphery of the industry. Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No. B-29016/20/90/PCI-I, dated 18.11.2009</p> <p>Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A) Night time (10 PM to 6 AM) - 70 dB (A).</p> | <p>Complying.</p> <p>The industry is complying with the ambient air quality standards. Ambient air quality is being monitored by MoEF&CC approved & NABL accredited third party laboratory and reports are being submitted to the Board on monthly basis. As per the reports all the parameters are well below the standards stipulated by the board. Copy of ambient air monitoring reports are enclosed as Annexure-VI.</p> <p>Noise levels are being monitored in house and through third party. As per the analysis reports, all values are well within the limits. Copy of Noise Levels analysis report is enclosed as Annexure-VII.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | <p>The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R. 804(E), dated 03.11.2022, under the Environment (Protection) Act Rules. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.</p> | <p>Complying.</p> <p>The industry is having DG sets more than 800 KW capacity, and the emissions are complying with the norms as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.</p> <p>DG set emissions are being monitored by NABL accredited Laboratory once in a month and as per the reports the emissions are well within the norms.</p> <p>Copy of latest analysis reports are enclosed as Annexure-I.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | <p>The industry shall provide a sampling port with removable dummy of not less than 15 cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port</p> | <p>Complying with</p> <p>The industry has provided a sampling port with removable dummy for all the stacks of DG sets as per standards. There is no boiler in the premises of the Hetero Labs Ltd, Unit-III.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

HETERO LABS LIMITED, UNIT-III

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| | to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform. | |
| 20 | The industry shall comply with the noise limits for DG sets (upto 1000 KVA) as per G.S.R.520 €, dated 01.07.2003 and G.S.R.448€, dated 12.07.2004 under the Environment (Protection) Act Rules. | Complying. All DG sets are provided with acoustic enclosures to minimise the noise levels. |
| 21 | The industry shall maintain the online pH measuring facility with auto recording system provided to the scrubbers and connect to APPCB website. | Complied. The industry has installed online pH meters with auto recording system provided to the scrubbers and are connected to APPCB Website. List of Scrubber with online pH meter is enclosed as Annexure -VIII. |
| 22 | The industry shall implement adequate measures to control all fugitive emissions from the plant | Complying. Industry is taking all possible measures to control fugitive emissions as mentioned below: ➤ Vent Condensers/Nitrogen blanketing is provided to all solvent storage tanks. ➤ All low boiling solvents are provided with insulation. ➤ Solvents/Chemicals pumping is done through closed conveyance. ➤ Dual stage condensers are provided to the vents of reactors/distillation columns etc. |
| 23 | The industry shall operate the two stage scrubbers for scrubbing of process emissions at all emission sources. Scrubbed liquid shall be recycled as far as possible and finally sent to CETP of Pharma city for further treatment. | Complying. Industry has provided multi-stage scrubbers to the process vents of reactors where acidic reactions are being carried to control the process emissions and the Scrubbed liquid is being recycled to the maximum possible extent and finally sent to CETP of Hetero Infrastructure SEZ Ltd. |
| 24 | The evaporation losses in solvents shall be controlled by taking suitable measures, which include: I. Chilled brine circulation to effectively reduce the solvent losses into the atmosphere. II. Transfer of solvents by using pumps and closed conveyance instead of manual Handling. III. Closed centrifuges be used due to which solvent losses are reduced drastically. IV. The reactor vents connected with primary & secondary condensers to catch the solvent vapours. V. All the solvent storage tanks are connected with vent condensers / | Complying. The industry is taking all necessary measures to control the evaporation losses in the solvents as mentioned. |

HETERO LABS LIMITED, UNIT-III

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| | Nitrogen blanketing system to prevent solvent vapours. | | | |
| 25 | The industry shall not use odour causing substances such as Mercaptan or cause odour nuisance in the surroundings | Not Applicable. The industry is not using any Mercaptan within the industry. | | |
| 26 | The industry shall operate and maintain VOC monitoring system with auto recording facility at production blocks and solvent storage tank areas. | Complied. In addition to the VOC analyser in CAAQM station, the industry has installed VOC analyser in the units and connected to APPCB website for continuous monitoring. Photograph of installation is shown below:  | | |
| GENERAL: | | | | |
| 27 | The industry shall not manufacture new products and not exceed the consented capacity without CTE and CTO of the Board. | Complied with. The industry is neither producing unconsented products nor exceeding the consented capacities of CTO. The details of production are being submitted to RO, Visakhapatnam on monthly basis. | | |
| 28 | The drums containing chemicals / solvents shall be stored under a roof on elevated platform with a provision to collect leakages / spillages in the collection pit. | Complying. The industry is storing drums containing chemicals / solvents in a shed on elevated platform or in Racks with a provision to collect leakages / spillages in the collection pit. | | |
| 29 | The industry shall maintain good housekeeping both within the premises. | Complying. | | |
| 30 | The industry shall not dispose any solid waste outside the industry premises and shall dispose the solid waste generated as following: | | | |
| | S. No | Name of the solid waste | Quantity | Disposal option |
| | 1 | E-waste | 50 Kg/day | Shall be sent to authorised collection centres / recyclers/dismantler /disposal facility as per E-Waste (Management) Rules, 2022. |
| 2 | Electrical Waste | 50 Kg/day | | |
| | | | Complying. The industry is storing the E-waste / Electrical Waste in dedicated compartments in Scrap yard within the industry premises till its disposal to the authorized agencies. | |
| 31 | The effluent discharged and emissions shall comply with the tolerance limits mentioned in MoEF notification dated 09.07.2009 prescribed for Pharmaceutical (Manufacturing and Formulation) industry and G.S.R. 541(E) | Complying. | | |

HETERO LABS LIMITED, UNIT-III

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| | dt. 06.08.2021 for Bulk Drug and Formulation (Pharmaceutical). | |
| 32 | The industry shall store the hazardous waste in closed shed with dyke wall and leachate collection system. | Complying. The industry is storing the hazardous waste in closed shed with dyke wall and leachate collection system in the premises of M/s Hetero Infrastructure SEZ Ltd |
| 33 | The following rules and regulations (as amended and upgraded from time to time) notified by the MoEF&CC, Govt shall be implemented. <ul style="list-style-type: none"> a) Regulation of Persistent Organic Pollutants Rules, 2018. b) Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016. c) Plastic Waste Management Rules, 2022. d) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 e) Fly Ash Notification, 2016 f) Battery Waste Management Rules, 2022. g) E-Waste (Management) Rules, 2022. h) Construction and Demolition waste Management Rules, 2016. i) Solid Waste Management Rules, 2016. j) The Public Liability Insurance Act, 1991 and its amendments thereof. k) Bio Medical Waste Management Rules, 2016 | Complying. The industry is implementing all the applicable Rules & Regulations. |
| 34 | The industry shall maintain the following records and the same shall be made available to the inspecting officers of the Board: <ul style="list-style-type: none"> a) Daily production details. b) Quantity of Effluents generated, treated, recycled/reused and disposed to CETP. c) Logbooks for pollution control systems. d) Characteristics of effluents and emissions. e) Hazardous/non-hazardous solid waste generated and disposed. f) Inspection book. g) Manifest copies of effluents / hazardous waste. | Complying The industry is maintaining all the records as directed by the Board and are being made available to the inspecting officers at time of inspection. |
| 35 | The industry shall maintain records on source of intermediates for each product-wise and the consolidated records shall be submitted to concerned R.O every | Complying. The industry maintaining the records on source of intermediates for each product-wise and the consolidated records are being maintained. |

HETERO LABS LIMITED, UNIT-III

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| | month along with invoice copies of the intermediates outsourced. | |
| 36 | The industry shall maintain green belt in all the vacant places. In future, excess green belt over and above 33 % of total area can be utilized for industrial activity as per requirement of industry. | Complied. The industry has developed thick green belt within the premises as directed by the board. The industry has developed 25 acres of green belt in total area of 75 Acres. Photographs of green belt is enclosed as Annexure-IX. |
| 37 | The industry shall maintain digital display boards at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CTO and exhibit the CTO order at a prominent place in the factory premises. | Complying. The industry has installed display boards at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CTO Photograph of the display board is enclosed as Annexure- III. |
| 38 | The industry shall comply with SOPs issued by CPCB time to time for all the wastes. | Complying. |
| 39 | The industry shall comply with the Regulation of Persistent Organic Pollutants Rules,2018 notified by the MOEF&CC Notification vide G.S.R. 207 (E) dated 30.05.2018. As per the notification, the following 7 chemicals are prohibited to manufacturer, trade, use, import and export: i. Chlordecone, ii. Hexabromobiphenyl, iii. Hexabromodiphenyl ether and heptabromodiphenyl ether (commercial octa-BDE), iv. Tetrabromodiphenyl ether and pentabromodiphenyl ether (commercial penta-BDE), v. Pentachlorobenzene, vi. Hexabromocyclododecane and vii. Hexachlorobutadine | Not Applicable. There are no persistent organic chemicals in the plant. |
| 40 | The industry shall submit the information regarding usage of Ozone Depleting Substance once in six months to the Board. | Complying. The industry is not using Ozone Depleting Substance in the industry and is being intimated to Board on monthly basis. |
| 41 | The industry shall submit AAQ monitoring reports conducted by authorised agency to concerned Regional Office on monthly basis. | Complying. AAQ is being monitored by NABL accredited Lab approved by MoEF&CC (third party) on monthly basis and the reports are being submitted to the Regional Office, AP Pollution Control Board, Visakhapatnam. Copy of recent analysis reports are Enclosed as Annexure-I. |

HETERO LABS LIMITED, UNIT-III

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| 42 | Any other directions / circulars / notices issued by CPCB, MoEF&CC and APPCB shall be followed from time to time. | Noted and will be followed as directed by the Board. |
| 43 | The industry shall comply with all the conditions stipulated in CTE & CTO order issued by the Board and EC orders issued by MoEF&CC. | Complied. |
| 44 | The industry shall submit the Environmental Statement in Form - V. | Complying. Environmental Statement in Form-V is being regularly submitted to the Board before 30 th September of every year. Copy of Form-V for the financial year 2024-25 is enclosed as Annexure-IV for your ready reference. |
| 45 | The conditions stipulated are without prejudice to the rights and contentions of this Board in any Hon'ble Court of Law. | Noted and agreed upon. |
| 46 | The Board reserves its right to modify above conditions or stipulate any further conditions and to take action including revoke of this order in the interest of protection of public health and environment. | Noted and agreed upon. |
| SPECIAL CONDITIONS: | | |
| 47 | The industry shall possess a valid NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB. | Complying. The industry is having NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) valid up to 14/06/2026 and submitted a copy at concerned Regional Office, APPCB, Visakhapatnam. Copy of the NOC is enclosed as Annexure-X. |
| 48 | The industry shall operate with valid PESO permission. | Complying The industry is having PESO permission valid up to 31/12/2034. Copy of the PESO permission is enclosed as Annexure-XI. |
| 49 | The industry shall maintain valid PLI policy which includes Environmental Relief Fund (ERF) and submit copy to RO, Visakhapatnam on yearly base. | Complying. The industry is having PLI policy which includes Environmental Relief Fund (ERF) valid up to 14/04/2026. Copy of PLI policy is enclosed as Annexure-II. |
| 50 | The industry shall comply with the technical suggestions at Chapter No. 7.3 & 7.4 for Hazardous Chemical handling industries by High Power Committee (HPC) of Govt. of Andhra Pradesh. The HPC report is available at www.ap.gov.in. | Complied. The industry is complying with the technical suggestions at Chapter No. 7.3 & 7.4 for Hazardous Chemical handling industries by High Power Committee (HPC) of Govt. of Andhra Pradesh. Report already submitted to RO, APPCB. |
| 51 | The industry shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities | Complying. |

HETERO LABS LIMITED, UNIT-III

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| | including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report. safety audit report and safety certificate at concerned Regional Office, APPCB. | The industry has submitted copy of safety report and qualitative Risk Assessment duly acknowledged by the Factories Department. to Regional Office, APPCB, Visakhapatnam. |
| 52 | The industry shall extend training to the working personnel for the prevention of accidents and necessary antidotes to ensure safer, as per the MSIHC Rules, 1989. | Complying. The industry is imparting trainings to all employees on chemical handling & accident prevention as per yearly training calendar. The industry is maintaining Antidotes to ensure the safety of employees as per the MSIHC Rules, 1989. Copy of yearly training calendar and list of antidotes are enclosed as Annexure- XII and Annexure-XIII respectively. |
| 53 | The industry shall carryout calibration of safety equipment and leak detection systems at regular intervals and shall certify the same with the Factories Department. That certified copy shall be submitted to the APPOB, Regional Office. | Complying. The industry is carrying Preventive maintenance and calibration of safety equipment as per the schedules. Leak detection is an integral part of preventive maintenance of equipment. |
| 54 | The industry shall install fluorescent Wind Vane at the highest point in the industry premises. | Complied. Windsocks are provided at all strategic locations within the industry. |
| 55 | The industry shall submit Risk analysis and risk assessment covering worst scenario clearly describing impact within the industry premises and outside the industry premises and emergency response system. | Complied. The industry has carried Risk assessment for the processes through expert agency and prepared OSEP through National Safety Council in the year 2024. Copies of the same have been submitted to RO, APPCB, Visakhapatnam after acknowledgement by Factories Department. |
| 56 | The industry shall submit the copy of the safety audit report and On-Site / Off Site Emergency Plans as applicable after being certified by the Factories Department to the APPCB, Regional Office from time to time, if the storage quantity of hazardous chemicals is equal to or, in excess of the threshold quantities specified in schedule 2 & 3 of MSIHC Rules, 1989. | Please refer below: The storage quantity of chemicals is not exceeding the threshold quantity as specified in MSIHC Rules, 1989. Onsite emergency plan already submitted to RO, VSP along with safety report duly acknowledged by the Factories Department. |
| 57 | The industry shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent to Establishment (CTE) and Consent to Operation (CTO) through | Complying. The industry is submitting the half yearly compliance reports of Environmental Clearance (EC), Consent to Establishment (CTE) and Consent to Operation (CTO) |

HETERO LABS LIMITED, UNIT-III

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| | website i.e., https://pcb.ap.gov.in by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the industry and second half yearly compliance reports shall be the audited through MoEF&CC recognized and National Accreditation Board for Laboratory Testing (NABL) accredited third party. | through website i.e., https://pcb.ap.gov.in by 1st of January and 1st July of every year. |
| SCHEDULE – C | | |
| 1 | The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under. | Complying. |
| 2 | The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board. | Being Complied. |
| 3 | The person authorized shall not rent, lend, sell, transfer or otherwise transport the Hazardous and other wastes except what is permitted through this authorization. | Being Complied. |
| 4 | Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization. | Noted and agreed upon. |
| 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. | Complied. The industry is having OSEP and conducting regular mock drills as per the Factories Act once in six months and the reports are being submitted to the Board along with Compliance reports. Copy of latest mock drill report is enclosed as Annexure-XIV. |
| 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”. | Noted and agreed upon. |
| 7 | It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility. | Noted and will be complied. |
| 8 | An application for the renewal of an authorization shall be made as laid down under these Rules. | Being Complied. |
| 9 | Any other conditions for compliance as per the Guidelines issued by the Ministry | Noted and agreed upon |

HETERO LABS LIMITED, UNIT-III

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| | of Environment, Forest and Climate Change or Central Pollution Control Board from time to time. | |
| 10 | The authorized person shall submit annual returns in Form- 4 as per Rule 6(5) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof to APPCB by 30 th day of June of every year for the preceding period April to March. Hazardous Wastes quantities in Form- 4 shall be submitted in terms of Metric Tonnes/annum. | Complying. The industry is maintaining records of hazardous waste in Form-III and submitting hazardous waste returns in Form-IV before 30 th day of June of every year to the RO-Visakhapatnam as directed by the board. Copy of Form-IV is enclosed as Annexure-XV . |
| 11 | The authorized person shall not store hazardous waste for more than 90 days as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016. | Complying. The industry is not storing hazardous waste for more than 90 days and is being regularly disposed to various agencies as directed by the Board. |
| 12 | The authorized person shall store Used /Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buy back basis. | Complying. The industry is storing the Used / Waste Oil and Used Lead Acid Batteries in a secured place within the premises till its disposal to the authorized agencies. |
| 13 | The authorized person shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card. | Complying. The industry is maintaining online manifest system as per the directions of APPCB. TREM card is being provided to the Driver of the vehicle along with Manifest. |
| 14 | The authorized person shall maintain proper records tor Hazardous & other wastes stated in Authorization in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form- 4 as per Rule 6 (5) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof by June 30 th tor the period ensuring 31 st March of the year. | Complying. The industry is maintaining records of hazardous waste in Form-III and submitting hazardous waste returns in Form-IV to the RO-Visakhapatnam as directed by the board. Copy of Form-IV is enclosed as Annexure-XV . |



SV ENVIRO LABS & RESEARCH PRIVATE LIMITED

formerly known as SV ENVIRO LABS & CONSULTANTS
Researching for better Environmental Solutions



Ref: SV/HLL3/26-04/10

Date: 23-04-2026

NAME AND ADDRESS : M/s. **HETERO LABS LIMITED (UNIT-III)**,
Nallamatipalem Village,
Nakkapally Mandal,
Visakhapatnam District.

SAMPLE PARTICULARS : **NOISE LEVELS**

DATE OF COLLECTION : 14-04-2026

TEST REPORT

| S.No. | SOURCE OF COLLECTION | NOISE LEVELS MEASURED IN DB(A) | |
|-----------------------|-------------------------|--------------------------------|-------------|
| | | Day | Night |
| 1. | Near Canteen Area | 65.8 | 58.3 |
| 2. | Near Production Block A | 63.2 | 56.4 |
| 3. | Nera Production Block | 66.7 | 60.5 |
| CPCB STANDARDS | | 75.0 | 70.0 |

AUTHORIZED SIGNATORY



Corporate Office and Laboratory: Enviro House, B-1, Block-B, IDA, Autonagar, Visakhapatnam - 530012
Hyderabad Office: #402, SaiKrishna Villa, Behind CMR Shopping Mall, AS Raju Nagar, Kukatpally, Hyderabad - 500072

Website: www.svenvirolabs.com

E-Mails : info@svenvirolabs.com, svenviro_labs@yahoo.co.in

Contacts

0891-2755528, +91 7207664444

PAN: ABQCS0643F

CIN: U74909AP2025PTC119098



HETERO INFRASTRUCTURE SEZ LTD

Photographs of the Rain water Collection Pond



HETERO INFRASTRUCTURE SEZ LTD



PERSONAL PROTECTIVE EQUIPMENT (PPE) MATRIX

ANNEXURE-XX

| ACTIVITY | PPES REQUIRED BEFORE STARTING ACTIVITY | ACTIVITY | PPES REQUIRED BEFORE STARTING ACTIVITY |
|--|---|---|--|
| PPE mandatory before entering in to any Work Area. | Safety Shoes, Safety Goggles, Safety Helmet, Nose Mask | Flammable Gas handling like Hydrogen etc. | Safety Shoes, Safety Goggles, Safety Helmet, FR Suit with Hood, FR Gloves, SCBA (In Emergency) |
| Handling of Flammable Solvents with Proper Earthing and bonding | Safety Shoes, Safety Helmet, Full Face Mask, FR Suit with Hood, Nitrile Gloves, Face Shield | Centrifuge / ANFD / Press filter / Leaf filter / Nustch Filter / Tray Dryer material unloading & equipment cleaning | Safety Shoes, Face shield, Safety Helmet, Dust Masks, FR Suit with Hood |
| Toxic Material Handling (Like NH ₃ , Bromine, TC, POCL ₃ , DMS etc) | Safety Gum shoes, Safety Helmet, PVC Air Line Suit, PVC Hand Gloves, SCBA (If any leakage) | Opening of Pipe lines | Safety Shoes, Safety Goggles, Safety Helmet, FR Suit with Hood, Hand Gloves, Nose Mask |
| Charging/ Handling of Corrosive Chemical (NaOH, HCl, H ₂ SO ₄ .) | Safety Gum shoes, Safety Goggles, Safety Helmet, Full Face Mask, PVC Apron, PVC Hand Gloves | Utility and DG Set areas | Safety Shoes, Safety Goggles, Safety Helmet, Nose Mask, Hand Gloves, Ear Plug/Mug, SCBA(If any emergency) |
| Charging/Handling powder (powder Milling, sifting, dispensing and charging in to reactor Etc.) | Safety Shoes, Safety Goggles, Safety Helmet, Dust Mask, FR Suit with Hood, Nitrile Gloves | Working at LTDS & HTDS effluent tanks and pumps | Safety Gum shoes, Safety Goggles, Safety Helmet, Nose Mask, Hand Gloves |
| Hot material handling, Abrasive material handling, Handling of sharp objects | Safety Shoes, Apron, Safety Goggles, Safety Helmet, Nose Mask, Heat Resistant Glove | Working at heights, painting, and Civil constructions. | Safety Shoes, Face Shield, Safety Helmet, Nose Mask, Hand Gloves, Safety Belts, Life Lines, PVC full body suit (Working on PIPE rack bridge) |
| Hot Works like welding, cutting , grinding , heating, chipping, Breakering etc. | Safety Shoes, Safety Goggles, Safety Helmet, Nose Mask, FR Suit with Hood, Safety Belts (Working at height), Hand Gloves, Ear Plugs (Breakering work) | Rescue operation in Fire | Safety Shoes, Safety Goggles, Safety Helmet, Full Face Mask, Fire Proximity Suit, Fire Proximity Glove, SCBA |
| Confined Space Entry | Safety Shoes, Safety Goggles, Safety Helmet, Safety Belt, Life line | Rescue operation in toxic, corrosive atmosphere. | SCBA, PVC Suit/Apron, Safety Gum Shoe, PVC hand Gloves, Safety Helmet |
| Laboratory works (QC & R&D) | Safety Shoes, Safety Goggles, Nose Mask, Lab Apron, Hand Gloves | Working on MCC, SFU, Isolator, capacitors underground cable | Safety Shoe, Safety Goggles, Safety Helmet, Electrical Resistance Gloves, Arc Suit (As and When required) |
| Detoxification Works | Safety Shoes, Safety Goggles, Safety Helmet, PVC Suit, Hand Gloves, Nose Mask | Excavation work | Safety Gum Shoes, Safety Goggles, Safety Helmet, Hand Gloves |
| Monitoring activities in plant and warehouse | Safety Shoes, Safety Goggles, Safety Helmet, Nose Mask | Gas cylinder Handling | Safety Shoes, Hand Gloves, Face Shield, Safety Helmet, FR Suit |
| Road Tanker / Mobile tanker Sampling, Loading and Unloading | Safety Shoes, Safety Goggles, Safety Helmet, Full Face Mask, FR Suit with Hood, Safety Belts, Nitrile Hand Glove | Clean Rooms & Crystallizers entry | Head Cap, Anti-Static dongry, Anti-Static Shoe covers, Safety Goggles |
| Transportation of Hazardous chemical through Fork lift or Drum trolley | Safety Shoes, Safety Goggles, Safety Helmet, Hand Glove | Loading / Unloading of hazardous chemical drums from truck or container or vehicle | Safety Shoes, Safety Goggles, Safety Helmet, Hand Glove |
| Drainages cleaning | Safety Gum Shoes, Face Shield, Hand Gloves, Apron | Gardening work | Safety Shoes, Safety Goggles, Safety Helmet, Hand Glove |

PERSONAL PROTECTIVE EQUIPMENT (PPE) MATRIX



C.S.R CATIVITIES FY2025-26

CSR ACTIVITIES CONDUCTED BY THE INDUSTRY

1. Medical Camps conducted by the Industry in nearby villages are as below:
 - Medical Camps in Upmaka Village, Nakkapalli, Janakayyapet, Butchiraju Peta, Rajayyapeta, N.Narasapuram and Vempadu villages covering almost all the villages around industry. This includes free medical Checkups, Medicines, Spectacles etc.
 - Mobile medical van for Free medical camps in nerby 27 Villages.
2. Vision Centre at Nakkapalli for free testing, Operations, Spectacles etc to all villagers
3. Installation of Drinking water RO plants in the Villages for providing Safe drinking water to the villagers. Till date the industry has installed 12 Nos RO plants.
4. Piped water supply to the villages including laying of pipeline, water tank construction, taps fixing etc.
5. Plantation of saplings in nearby Schools, Govt.Offices. Plants have been donated by the industry for the same purpose.
6. Construction of Concrete Roads in the nearby villages
7. Construction of temples and compound walls in the villages.
8. Construction of Model police station
9. Construction of Weekly market buildg.
- 10: Construction of bus shelters:
- 11.Financial support for **education**:
 - Vidya volunteers,
 - Distribution of study material
 - 10th class students Merit awards to nakkapalli mondal government school students (school 1st/2nd /3rd)
 - Laying of painting to schools
 - Construction of toilets
 - Construction of compound walls to the schools
 - Merit awards to 10th class students Nakkapalli mondal

- Financial support to fisher man community poor student

12. Renovation of Government Offices in Nakkapalli Mandal for the convenience of the public

13. Sponsoring the local festivals functions as per the request of villagers.

14. Warning boards fixing at beach area

1. Medical van services:-



Total patients treated fy 2025-26 27 villages 297 medical van visits 13188 patients are treated

| MOBILE MEDICAL VAN 2025-26 | | | | | |
|----------------------------|-----------|-------------|--------------|-------------|--------------------|
| S.NO | MONTH | NO OF CAMPS | TOTAL OP | BP PATIENTS | DIABETICS PATIENTS |
| 1 | APRIL | 29 | 1192 | 138 | 130 |
| 2 | MAY | 25 | 998 | 144 | 119 |
| 3 | JUNE | 27 | 1182 | 153 | 137 |
| 4 | JULY | 27 | 1145 | 147 | 125 |
| 5 | AUGUST | 24 | 1067 | 152 | 124 |
| 6 | SEPTEMBER | 22 | 864 | 127 | 107 |
| 7 | OCTOBER | 24 | 1109 | 194 | 159 |
| 8 | NOVEMBER | 28 | 1298 | 175 | 156 |
| 9 | DECEMBER | 24 | 1140 | 175 | 140 |
| 10 | JANUARY | 23 | 1109 | 135 | 126 |
| 11 | FEBRUARY | 27 | 1274 | 164 | 138 |
| 12 | MARCH | 17 | 810 | 120 | 116 |
| Total | | 297 | 13188 | 1824 | 1577 |

Equipment for Nakkapalli Government hospital



Nakkapalli government hospital 35 KV generator for hospital: -



Construction of bio medical rooms at Nakkapalli government hospital



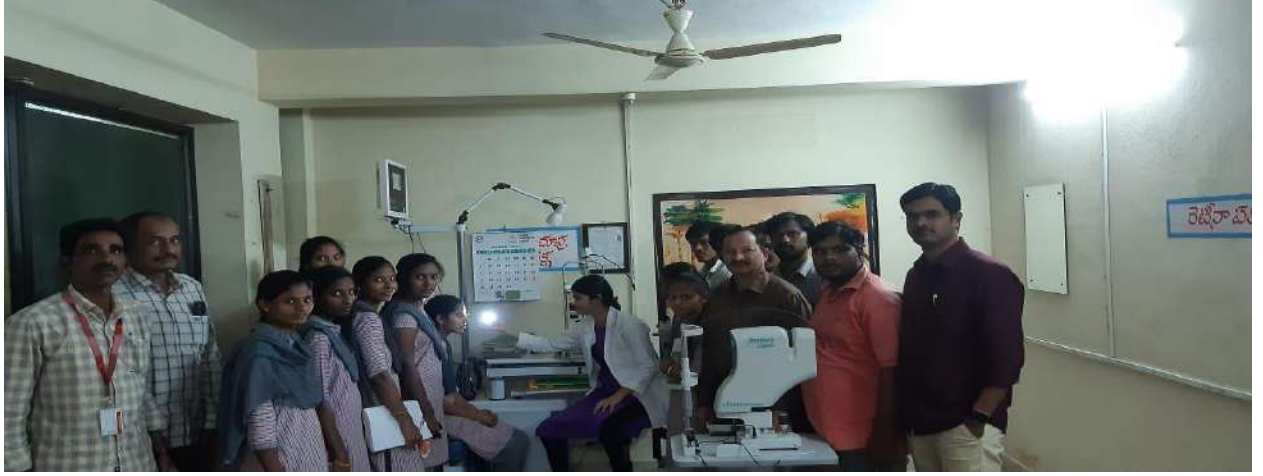
11. Nutrion food packets distribution to TB patients:

Total :470 patients 6months



2: Vision Centre at Nakkapalli for free testing, Operations, Goggles etc to all villagers:





Total 7475 patients are Eye screened operation done :310, Glass issued 2691.

| 2025-26 Vision | | | | |
|----------------|--------|-------------|------------------|-------------------------|
| S.NO | Month | Total OP | Total Specticals | Total Cat Surgeries Doe |
| 1 | Apr-25 | 512 | 195 | 18 |
| 2 | May-25 | 501 | 177 | 21 |
| 3 | Jun-25 | 710 | 238 | 36 |
| 4 | Jul-25 | 749 | 277 | 29 |
| 5 | Aug-25 | 560 | 205 | 24 |
| 6 | Sep-25 | 742 | 292 | 33 |
| 7 | Oct-25 | 618 | 240 | 26 |
| 8 | Nov-25 | 662 | 209 | 26 |
| 9 | Dec-25 | 634 | 231 | 26 |
| 10 | Jan-26 | 510 | 182 | 14 |
| 11 | Feb-26 | 688 | 245 | 39 |
| 12 | Mar-26 | 589 | 200 | 18 |
| Total | | 7475 | 2691 | 310 |

3:Drinking water:



లోకేష్ కు కలిపిన సైబర్ గండి లాభి

ప.. గ్రామస్వల్ప అనందం..

హెటిరో యాజమాన్య నిధి అభివృద్ధి

మహిళా శక్తి వికాస ప్రాజెక్టు

శ్రీరెడ్డి మీద సర్కారు చేసిన దక్షిణ నియోజకవర్గం తెలుగు మహిళలు

నవీన్ శర్మ యాజమాన్య నిధి

రాజకీయ తంత్రమా?

శ్రీ ప్రధాన్ విద్యార్థుల ప్రాజెక్ట్

సూపర్ సిక్స్ తో ప్రజలను మోసం చేస్తున్న కూటమి ప్రభుత్వం

మహిళా మంత్రి గుడిమర్తి లామరెడ్డి

ABN ఆంధ్రజ్యోతి

చినతినాడలో వాటర్ షాంటీ ప్రారంభం



వాటర్ షాంటీను ప్రారంభించిన దృశ్యం

నక్కవల్లి, నవంబరు 14 (ఆంధ్రజ్యోతి): మండలంలోని చినతినాడలో హెటిరో యాజమాన్యం నిర్మించిన వాటర్ షాంటీను గురువారం ప్రారంభించారు. గ్రామంలో తాగు నీటి ఎద్దడిని నివారించాలని గ్రామస్వల్ప కోరడంతో సీఎస్ఆర్ నిధులతో వాటర్ షాంటీను నిర్మించారు. ఈ మేరకు హెటిరో ప్రతినిధులు ఎస్.కులారెడ్డి, ఎం.సుబ్బారెడ్డి, రాజారెడ్డి, శ్రీనివాస్, సర్పంచ్ ఎం.ముసలయ్య, గ్రామ పెద్దలు సీటిని మహిళలకు అందజేశారు.



4:Piped water supply



RO water for MRO office at Nakkapalli:-



విశాలాంధ్ర
ఉనివారం 23 ఆగస్టు 2025



ఆరోగ్య షాంట్ ను ప్రారంభిస్తున్న తహసీల్దారు

హెటిరో ఆధ్వర్యంలో ఆర్డీ షాంట్ ఏర్పాటు
 ప్రజాశక్తి -నక్కపల్లి: నక్కపల్లి తహసీల్దార్ కార్యాలయంలో హెటిరో బ్రాండ్ కంపెనీ సౌజన్యంతో 20 ఎల్ పి హెచ్ ఆర్డీ షాంట్ ఏర్పాటు చేశారు. శుక్రవారం తహసీల్దార్ నరసింహమూర్తి చేతుల మీదుగా ఆర్డీ షాంట్ ను ప్రారంభించారు. తహసీల్దార్ కార్యాలయానికి వివిధ పనులపై వచ్చిన వారికి దాహార్తిని తీర్చేందుకు ఆరోగ్య షాంట్ ఎంతగానో ఉపయోగపడుతుందని తహసీల్దారు నరసింహమూర్తి అన్నారు. కంపెనీ ప్రతినిధి సిహెచ్ శ్రీనివాసరావు మాట్లాడుతూ కంపెనీ బైర్లస్ బండి పార్లసారధి రెడ్డి నూచనలు మేరకు 50 వేల రూపాయలతో ఆర్డీ షాంట్ ను కార్యాలయంలో ఏర్పాటు చేయడం జరిగిందన్నారు. ఈ కార్యక్రమంలో డి.టి నారాయణరావు, ఆ ఐ రవికుమార్, కంపెనీ ప్రతినిధి పి. ప్రసాద్ పాల్గొన్నారు.



విశాలాంధ్ర



OFF

ON HD



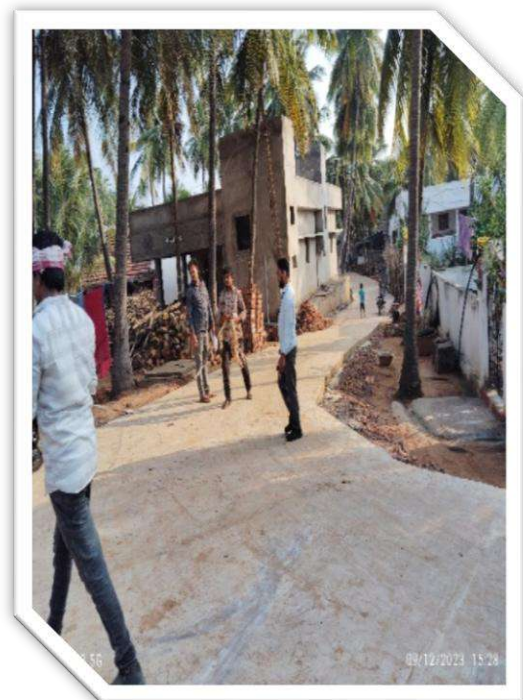
హెటిరో ఆధ్వర్యంలో ఆరోగ్య షాంట్

విశాలాంధ్ర నక్కపల్లి మండలంలో శుక్రవారం స్థానిక తహసీల్దార్ కార్యాలయం వద్ద హెటిరో పరిశ్రమల బైర్లస్ బండి పార్లసారధి రెడ్డి ఆదేశాల మేరకు 50వేల రూపాయలు విలువ చేసే 20 ఎల్పిహెచ్ ఆరోగ్య షాంట్ ను ఏర్పాటు చేశారు. ఈ ఆరోగ్య షాంట్ ను తహసీల్దార్ ఆర్ నరసింహమూర్తి ప్రారంభించారు. ఈ సందర్భంగా

తహసీల్దార్ మాట్లాడుతూ తహసీల్దార్ కార్యాలయానికి వచ్చే వారికి సురక్షిత నీటిని అందించడం జరుగుతుందని ఆరోగ్య షాంట్ ను వికరణ చేసినందుకు హెటిరో ప్రతినిధులను అభినందించారు. ఈ కార్యక్రమంలో డిప్యూటీ తహసీల్దార్ పి నారాయణ రావు ఆర్ ఐ రవికుమార్, హెటిరో ప్రతినిధులు సిహెచ్ శ్రీనివాసరావు పి ప్రసాద్ పాల్గొన్నారు.



5:Laying of CC roads at villages





6:Construction of temples and compound walls & Paintings in the villages.

Renovation of Old temples (Painting and Civil works)







7: Construction of Community centers in the villages



8;Construction of bus shelters:



09: Education(10th class study material & merit awards distribution)



| Rank | No of students fy 2025-26 |
|-------------------------|---------------------------|
| SCHOOL 1st | 13 |
| SCHOOL 2nd | 13 |
| SCHOOL 3rd | 14 |
| TOTAL MERIT OF STUDENTS | 40 |

(10th class material :1200 no's, merit awards:40 no's)

1. School Cleaning at Nakkapalli KGBV



School painting

Jankaayyapeta zphs



Baligattam Zphs



iQOO Z9s 5G



26mm f/1.79 1/1151s ISO72
12/14/2025, 14:22

Vempadu Zphs:-



Nakkapalli ZPH school:-



Nakkapalli Market Yard:-



Construction of fishing tackle at Rajayyapeta village.



వనశ్రీ



శంకుస్థాపన చేస్తున్న మత్స్యశాఖ ప్రతినిధులు

భవన నిర్మాణానికి శంకుస్థాపన

ప్రజాశక్తి - నక్కపల్లి మండలంలో మత్స్యశాఖ గ్రామమైన రాజయ్యపేటలో హెలికో కంపెనీ యాజమాన్యం ఆర్థిక సహాయంతో ఏర్పాటు చేయనున్న భవన నిర్మాణానికి శుక్రవారం గ్రామ పెద్దలు యాచి పూజ చేసారు. మత్స్యశాఖల వేట సామగ్రి భద్రపరచుకునేందుకుగాను భవన నిర్మాణం చేపట్టాలని కంపెనీ యాజమాన్యాన్ని మత్స్యశాఖలు కోరారు. ఈ మేరకు కంపెనీ యాజమాన్యం స్పందించి భవనం మంజూరు చేశారు. రాజయ్యపేట సముద్ర తీరం వద్ద భవన నిర్మాణ పనులకు శంకుస్థాపన చేశారు భవన నిర్మాణానికి కంపెనీ యాజమాన్యం 30 లక్షలు మంజూరు చేసినట్లు కంపెనీ ప్రతినిధులు వెల్లడించారు. ఈ కార్యక్రమంలో సర్పంచ్ పిట్టి అప్పలనరస, జడ్పీటీసీ సబ్బర్వాలు గోసల రాఘవలక్ష్మి, ఎంపీటీసీ సబ్బర్వాలు పిట్టి సత్యయ్య, కంపెనీ సీఎస్ అర్ ప్రతినిధి శ్రీనివాస్, మత్స్యశాఖ నాయకులు, మత్స్యశాఖలు పాల్గొన్నారు.

ABN
ఆంధ్రజ్యోతి

వేట సామగ్రి భద్రపరచుకునేందుకు

భవన నిర్మాణం

నక్కపల్లి, జనవరి 2 (ఆంధ్రజ్యోతి): మండలంలోని రాజయ్య పేట తీరం వద్ద చేపల వేట సాగించే మత్స్యశాఖల వలలు, సామగ్రి భద్రపరచుకోవడానికి అవసరమైన భవన నిర్మాణ పనులకు శుక్రవారం శంకుస్థాపన చేశారు. ఇందుకోసం హెలికో ఔషధ పరిశ్రమ సీఎస్ అర్ నిధులను రూ.30 లక్షలు కేటాయించినట్లు నంస నేనినీదులు వెలసారు.



Construction of model police station at nakkapalli





Hygiene (TOT) programmer in girls schools



వజ్రక్ వార్త
www.shashabaddi.com
07 Mar 2023 - Page 3

పిల్లల ఆరోగ్యం కాపాడుకుంటే.. భవిష్యత్తులో అనారోగ్యాలకు గురికారు: హెల్థ్ రో ప్రతినిధులు

హైదరాబాద్ లోని ఒక కార్యక్రమంలో ప్రతినిధులు ఆరోగ్యం గురించి ప్రజలకు అవగాహన కల్పించారు. పిల్లల ఆరోగ్యం కాపాడుకోవడం అనేది మన దేశంలోని ప్రతి ఒక్కరినీ ఆసక్తికరం చేస్తుంది. పిల్లల ఆరోగ్యం కాపాడుకోవడం అనేది మన దేశంలోని ప్రతి ఒక్కరినీ ఆసక్తికరం చేస్తుంది. పిల్లల ఆరోగ్యం కాపాడుకోవడం అనేది మన దేశంలోని ప్రతి ఒక్కరినీ ఆసక్తికరం చేస్తుంది.



ఉత్తమ బోధనకు ఎప్పుడు సహకారం ఉంటుంది...



ఉత్తమ బోధనకు ఎప్పుడు సహకారం ఉంటుంది...

గ్రామీణ ప్రాంతంలో ఉన్న పాఠశాలల్లో ఉత్తమ విద్యార్థి బోధన కోసం అందులో బిడ్డికల్ రంగంలో ఉపయోగపడేటట్లు విద్యార్థులకు ప్రోత్సాహం అందించడమే ప్రధాన లక్ష్యంగా ఈ ప్రాంతంలో పాఠశాల గ్రూపు పనిచేస్తుంది. అందుకు ప్రోత్సాహం వైర్లర్, రాజ్యసర్వే సభ్యులు, డాక్టర్ ఐటి పార్థసారథి రెడ్డి అందిస్తున్నారు. సంస్థ వైర్లర్ డాక్టర్ ఐటి పార్థసారథి రెడ్డి ఎప్పుడు ముందుంటున్నారు. ఆ విధంగా అనేకమైన కార్యక్రమాలు చేపడుతూ వస్తున్నామని చెప్పారు. సి ఎస్ ఆర్ సేవా కార్యక్రమాల్లో భాగంగా మండల బోధన ఇప్పటికే పలు ప్రభుత్వ రంగ సంస్థలకు కంప్యూటర్లు అందజేయడం ఆరగించడం, అందులో పాఠశాల స్టాఫ్, మండల పరిషత్ కార్యాలయం, జూనియర్ కార్యాలయం లాంటివి చేపడుతున్నారు. ఉత్తమ బోధనకు ఎప్పుడు సహకారం ఉంటుంది... ప్రధాన లక్ష్యంగా ఈ ప్రాంతంలో పాఠశాల గ్రూపు పనిచేస్తుంది. అందుకు ప్రోత్సాహం వైర్లర్, రాజ్యసర్వే సభ్యులు, డాక్టర్ ఐటి పార్థసారథి రెడ్డి అందిస్తున్నారు. సంస్థ వైర్లర్ డాక్టర్ ఐటి పార్థసారథి రెడ్డి ఎప్పుడు ముందుంటున్నారు. ఆ విధంగా అనేకమైన కార్యక్రమాలు చేపడుతూ వస్తున్నామని చెప్పారు. సి ఎస్ ఆర్ సేవా కార్యక్రమాల్లో భాగంగా మండల బోధన ఇప్పటికే పలు ప్రభుత్వ రంగ సంస్థలకు కంప్యూటర్లు అందజేయడం ఆరగించడం, అందులో పాఠశాల స్టాఫ్, మండల పరిషత్ కార్యాలయం, జూనియర్ కార్యాలయం లాంటివి చేపడుతున్నారు.

10: Warning boards fixing at beach area.



11:Cleaning programme at government hospital and school

2.Nakkapalli Hospital





Cement Benches at village and Nkp hospitals



Construction of drainages



ప్రజాశక్తి

హెటిరో సహకారంతో.. డ్రైనేజీ నిర్మాణాలకు శంకుస్థాపన

గ్రామంలో హెటిరో కంపెనీ యోజనాపాఠం 15 లక్షల నిధులతో 270 మీటర్లు పొడవు గల డ్రైనేజీ నిర్మాణం కు శ్రీకారం చుట్టింది. ఈ మేరకు కంపెనీ ప్రతినిధులు యన్. కులూ రెడ్డి, ఎమ్. సుబ్బారెడ్డి, యన్. రాజారెడ్డి, ఎం.ఎన్. వీర వెంకట సత్యనారాయణ రెడ్డి చేతుల మీదుగా డ్రైనేజీ నిర్మాణ వనరులకు శంకుస్థాపన చేశారు. ఈ సందర్భంగా కంపెనీ ప్రతినిధులు మాట్లాడుతూ, గ్రామ పెద్దలు, ప్రజల విజ్ఞప్తి మేరకు కంపెనీ నిధులతో డ్రైనేజీ మంజూరు చేసినట్లు తెలిపారు. హెటిరో గ్రూప్ ఆఫ్ కంపెనీ వైర్లెస్ బండి పార్లసారు రెడ్డి ఆదేశాల మేరకు ఇప్పటికే పలు గ్రామాల్లో అభివృద్ధి పనులు, సేవా కార్యక్రమాలు చేపట్టమని వెల్లడించారు. ఈ కార్యక్రమంలో డ్రైనేజీ నిర్మాణ వనరులకు గురువారం కంపెనీ సీనియర్ ప్రతినిధి సి.హెచ్. క్రీషివాని, గ్రామ పెద్దలు శివరెడ్డి శంకుస్థాపన చేశారు. సి.హెచ్. లక్ష్మీవరం

మాట్లాడుతున్న కంపెనీ ప్రతినిధులు

గ్రామంలో అభివృద్ధి పనులు, సేవా కార్యక్రమాలు చేపట్టమని వెల్లడించారు. ఈ కార్యక్రమంలో డ్రైనేజీ నిర్మాణ వనరులకు గురువారం కంపెనీ సీనియర్ ప్రతినిధి సి.హెచ్. క్రీషివాని, గ్రామ పెద్దలు శివరెడ్డి శంకుస్థాపన చేశారు. సి.హెచ్. లక్ష్మీవరం

Date: 2024-12-19 Edition: Anubandha 14 Page No: 7



Drain and CC road t Peddateenarala (Befor and after)



12. Street lights:



Hetero Infrastructure SEZ LTD**List of the Lab Equipment's**

| S. No | Name of the equipment |
|--------------|------------------------------|
| 1 | WEIGING BALANCE |
| 2 | HOT AIR OVEN |
| 3 | MUFFLE FURNACE |
| 4 | JAR TEST APPARATUS |
| 5 | C.O.D DIGESTER |
| 6 | pH METER |
| 7 | DO ANALYSER |
| 8 | KARL-FISHER TITRATOR |
| 9 | CENTRI FUGE |
| 10 | DISTILLATION UNIT |
| 11 | SPECTRO PHOTOMETER |
| 12 | TURBIDITY METER |



HETERO LABS LIMITED (UNIT-III)
 S.No. 120 & 128, 150 (PART), 150/1, 151/2, 158/1,
 N.Narasapuram (Village),
 Nallamattipalem (V), Nakkapalli (Mandal),
 Anakapalli (Dist) - 531 081, A.P., INDIA.
 Tel : +91 891 2877900, Fax: +91 891 2877933
 CIN: U24110AP1989PLC009723

30 September 2025

03/10/2025

Letter No: HLL-III/EHS/APPCB/2024-2025/10

**The Environmental Engineer
 Regional Office
 Andhra Pradesh Pollution Control Board
 Visakhapatnam**

Dear Sir

**Sub : Submission of Environmental Statement in Form-V of M/s Hetero Labs
 Ltd, Unit-III for the Financial Year 2024-2025 - Regarding**

Ref : APPCB/VSP/137//HO/CTO/2024 Dated:19.01.2025.

With reference to above, herewith submitting the Environmental Statement in Form-V of M/s Hetero Labs Ltd, Unit-III for the financial year 2024-2025 for your information and perusal.

Kindly acknowledge the receipt of the same.

Thanking You Sir,
 Yours Faithfully

For Hetero Labs Limited, Unit-III

S. Kullayi Reddy
 30/09/2025

**S. Kullayi Reddy
 Associate Vice President – EHS**



Enclosures: As above

PROFILE

M/s. Hetero Labs Ltd, Unit III obtained Consent to Operate from AP Pollution Control Board vide order No: **APPCB/VSP/ 137/HO/CTO/2024** - dated **19/01/2025** valid upto 31st December 2027. The products are manufactured in two categories i.e. regular & campaign products. Manufacturing of the same groups is being undertaken as per the consent conditions.

SALIENT FEATURES OF M/s HETERO LABS LIMITED, UNIT-III

| | | |
|---|---|-------------------------|
| Total Site Area | : | 83 Acres |
| Built up Area | : | 45 Acres |
| Area of green belt developed | : | 35 Acres |
| Area available for green belt development | : | 03 Acres |
| Year of establishment | : | 2008 |
| Year of commissioning | : | 2008 |
| Capital cost | : | 594.92 Crores |
| Type of plant | : | Bulk drug manufacturing |
| Water consumption | : | 1523.05 KLD |
| Effluent generation | : | 856.21 KLD |
| Investment on pollution control | | |
| • Capital investment | : | 600 Lakhs |
| • Recurring O & M | : | 400 Lakhs/Annum |
| Employment | : | 3000 |

Other details:

1. The total water requirement of the unit is being met from the Sea water Desalination plants of M/s Hetero Infrastructure SEZ Ltd.
2. The required steam for the unit is being supplied from boilers installed in the premises of M/s Hetero Infrastructure SEZ Ltd.
3. The effluent generated from the unit is being treated in the Common ETP installed in the premises of M/s Hetero Infrastructure SEZ Ltd.
4. Sewage Treatment Plant, Hazardous waste storage yard and scrap yard are installed in the premises of M/s Hetero Infrastructure SEZ Ltd.

MINISTRY OF ENVIRONMENT AND FORESTS NOTIFICATION
New Delhi, the 22nd April 1993
(PART II, SECTION 3, SUB-SECTION (1))

"FORM - V"
ENVIRONMENTAL STATEMENT FOR
THE FINANCIAL YEAR ENDING THE 31st MARCH 2025

PART - A

Name and address of the owner/
Occupier of the industry operation
Or process : **Dr C. Mohan Reddy**
Director-Operations
7-2-A2, Hetero Corporate,
Industrial Estate
Sanathnagar,
Hyderabad -5000082

Registered Office Address : **M/s. Hetero Labs Ltd,**
7-2-A2, Hetero Corporate
Industrial Estate,
Sanathnagar
Hyderabad -5000082
Tel:3704923/24/25

Works address : **M/s. Hetero Labs Ltd, Unit-III,**
Sy. No.126, 150,151/1 & 151/2
N.Narsapuram (V), Nakkapally (M),
Anakapalli (Dist). - 531081

Industry category : Red

Production capacity : 891.78 TPM (As per CTO)

Month and Year of Establishment : 2008

Date of last environmental statement : September 2024
Submitted

PART - B
WATER CONSUMPTION DETAILS

| S.No | Water Consumption | Total Actual Quantity (KL/D) | |
|--------------|-------------------------------------|--|---|
| | | During the previous financial Year (2023-2024) | During the current Financial Year (2024-2025) |
| 1 | Process & washing | 210.00 | 129.95 |
| 2 | Cooling tower Make up & Boiler Feed | 75.00 | 70 |
| 3 | Greenbelt development & civil | -- | -- |
| 4 | Domestic | 30.00 | 35 |
| Total | | 315.00 | 334.95 |

Note: Comparatively water consumption is increased due to change of product mix & increased production during the year 2025 by having new CTO.

Process water consumption of production output in KL: Enclosed as **Annexure-I**

Raw material consumption : Enclosed as **Annexure-II**

PART-C
POLLUTION DISCHARGED TO ENVIRONMENT
(PARAMETER AS SPECIFIED IN THE CONSENT ISSUED)

| Pollutants | Quality of Pollutants discharged (mass/day) | Concentrations of Pollutants discharges (Mass/volume) | Percentage of variation from prescribed standards with reasons. |
|------------------------|--|---|---|
| 1. Ambient Air quality | Analysis trends for the entire year is enclosed at Annexure-III | | Within the limits |
| 2. Stack Emissions | | | |
| 3. Noise levels | | | |
| 4. Effluent | | | |

PART - D
HAZARDOUS WASTE (AS SPECIFIED UNDER HAZARDOUS WASTES/MANAGEMENT AND HANDLING RULES-2016)

| Hazardous Wastes | Total Quantity (Kg) | |
|-----------------------------------|--|---|
| | During the previous financial Year (2023-2024) | During the current Financial Year (2024-2025) |
| Organic Residue | 593.55 T | 759.69 MT |
| Spent Carbon | 367.95 T | 387.16 MT |
| Process Inorganic waste | 90.22 T | 194.93 MT |
| Used Carboys- HDPE Drums | 234.73 MT | 267.49 MT |
| Used Carboys- MS Drums | 253.87.MT | 459.46 MT |
| Spent solvents | 2325.292 T | 1134.33 MT |
| Detoxification Liners (LDPE bags) | 109.81T | 102.05 MT |
| Waste oil | 3294 KL | 4.432 MT |

PART - E
SOLID WASTES

The sources of solid waste generated from the plant are process and fly ash from boiler.

Detailed quantities of solid wastes are given below.

| Solid waste | Total Quantity (T/annum) | |
|-------------|---|---|
| | During the previous financial year (2023-2024) | During the current financial year (2024-2025) |
| Boiler ash | NOT APPLICABLE Generated in Hetero Infrastructure SEZ Ltd | NOT APPLICABLE Generated in Hetero Infrastructure SEZ Ltd |

Note: No boilers are installed in the plant. The required steam for the unit is being supplied from the Boilers installed in M/s Hetero Infrastructure SEZ Ltd.

PART - F
**CHARACTERISTICS INTERMS OF COMPOSITION AND QUANTUM OF
HAZARADOUS AS WELL AS SOLID WASTES AND THE DISPOSAL
PRACTICES ADOPTED BY THEM**

| | |
|---------------------------|--|
| Fly Ash from Boilers | NA |
| Spent Carbon from process | To cement Industries for Co-processing (Incineration) or to the pre-processors authorised by APPCB |
| Forced Evaporation salts | NA (Generated in CETP of M/s Hetero Infrastructure SEZ Ltd) |
| Process Inorganic salts | To TSDF, Parawada for secured land filling |
| Organic Residue | To Cement Industries for Co-processing (Incineration) |

PART-G
**IMPACT OF THE POLLUTION CONTROL MEASURES TAKEN ON
CONSERVATION OF NATURAL RESOURCES AND ON COST OF
PRODUCTION**

The industry has adopted following measures for the conservation of natural resources:

- The industry is using the water from Sea water Desalination Plants installed in the premises of M/s Hetero Infrastructure SEZ Ltd for all the purposes of industry thereby avoiding the usage of natural resources (either ground water or surface water).
- Domestic wastewater of the unit is being treated in Sewage Treatment plant of M/s Hetero Infrastructure SEZ Ltd and treated sewage is being used for gardening and greenbelt development purposes thereby avoiding usage of fresh water.
- Domestic solid waste is being converted into manure in the Vermi-compost plant installed in M/s Hetero Infrastructure SEZ Ltd and the compost is being used for green belt and gardening purpose as a replacement for chemical fertilizers.
- Thick greenbelt has been developed in and around the plant premises (more than 35% of plant area) for abatement of pollution.
- Rainwater of the plant is being collected & stored in the pond within the plant premises (M/s Hetero Infrastructure SEZ Ltd) for natural recharging of the ground water and for usage in the plant if need arises.
- Hazardous waste which is having higher calorific value is being sent to cement industries as an alternate fuel.
- Initiated recovering by-products and selling the same to authorized recyclers for reuse/recycling purposes.
- Using power partially from M/s Hetero wind power (Renewable energy) and part from co-gen power plant installed in the premises of M/s Hetero Infrastructure SEZ Ltd.
- The maximum quantity of the solvents are being recovered and reused within the plant for production purpose and spent solvents are being sold to authorized solvent recovery units through APEMCL.
- Waste Oils are being disposed of to authorized Recyclers approved by APPCB.

The industry adopted all possible measures for controlling the pollution there by conserving the natural environment as listed below:

- Installed & commissioned new Common Effluent Treatment Plant (Stripper, MEE, ATFD Bio-tower & Dual stage aerobic Treatment plant based on ASP) of 1 MLD capacity for treatment of trade effluent in the premises of M/s Hetero Infrastructure SEZ Ltd. Recovered solvents from stripper are being sent to authorized recyclers.
- All vents of reactors where acidic reactions are being carried are connected to the multi-

stage scrubbers for controlling process emissions. In addition to the multi-stage scrubbers, the industry has installed secondary scrubbers to avoid escaping of process emissions.

- Dual stage condensers are installed for the reactors/ANFDs for recovery and reuse of solvents
- Constructed above ground tanks for the collection and treatment of effluents to avoid chances of ground water/ Soil contamination.
- Adequate stack height has been provided to all DG sets for safe dispersion of pollutants as per CPCB guidelines and all DG sets are provided with acoustic enclosures for abatement of noise pollution.
- Installed online monitoring equipment like CEQMS, CAAQM and VOC meters for measuring pollutants in and around factory premises.

PART - H

ADDITIONAL INVESTMENT PROPOSAL FOR ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT OF POLLUTION

The industry has already invested around **Rs. 60.00 Crores** towards installation of pollution control devices like Scrubbers, Above ground effluent collection tanks with associated facilities within the plant, development of thick green belt in and around the industry in an area of more than 35% area of total area etc. Green belt consists of various plants like Ganuga, Neem, Almond, Silver oak, Plintoform, Casuarina, Eucalyptus and Conacorpous etc.

All installed Pollution control equipment are periodically evaluated and necessary modifications/replacements are being made for improvement in their performances from time to time as and when required irrespective of Budget allocations.

The industry proposed to invest following additional amount towards environment protection:

1. Installation/modifications of additional Multistage scrubbers at a cost of **Rs.20.00 Lacs**
2. Replacement of old Effluent collection tanks at the production blocks at a cost of **Rs.50.00 Lacs**
3. Environmental Monitoring by third party including scrubber efficiencies etc. at a cost of **Rs.25.00 Lac.**

PART - I

ANY OTHER PARTICULARS IN RESPECT OF ENVIRONMENTAL PROTECTION AND ABATEMENT OF POLLUTION.

- The industry is taking all possible measures for controlling Fugitive/process emission and some are listed below:
 - Dual stage condensers are installed for the vents of reactors & ANFDs
 - All solvent storage tanks are provided with vent condensers or Nitrogen blanketing to avoid solvent vapours entry into the atmosphere.
 - All low boiling solvent storage tanks are provided with insulation.
 - Closed operations in the process
 - Vents of reactors where acidic reactions are being carried are connected to the multistage scrubbers.
 - AODD pumps are being used for solvents transfer as much as possible.
- Industry is maintaining good housekeeping and reducing spills of chemicals & solvents by taking all possible measures. Spill control kits are provided in all the locations where

there is chance of spillages. Trainings on spill control procedures is being imparted to all the employees.

- Solvents are being recovered to the maximum possible extent at the production area and in the solvent recovery system (Captive) thereby reducing the organic vapours entry into the atmosphere.
- Replaced most of the traditional centrifuges & Tray Driers with Agitated Nutch Filter and Drier (ANFD) for safe and clean operations.
- All reactors are provided with Safety Relief valves, Rupture Discs for emergency purpose and the outlets of SRV & RD are connected to Dump tanks to avoid spillages in case of emergency.
- Planning to increase the greenbelt further for mitigating the pollution.
- Using low Sulphur Diesel in the DG sets to minimize the pollutants in the emissions and all DG sets are provided with adequate stack height & acoustic enclosures..

CONCLUSION

Hetero Labs Ltd, Unit - III is taking all possible measures for the abatement of pollution and new initiatives in the work area for mitigating pollution and cost reduction. The following are the pollution abatement measures taken by the industry:

1. Taking all steps required to ensure low emission levels, without any prejudice to the quantum of production.
2. Utilization of domestic wastewater for development of greenery after treatment in STP.
3. Giving due importance to the greenery and ultimately taking care for abatement of pollution.
4. Rainwater harvesting by collecting rainwater in a pond created by the industry
5. Online instruments for monitoring the pollution levels in and around factory premises.
6. Regular monitoring of air, water, effluent by Third party once in a month to keep watch on the pollution levels.
7. Changes in the process to mitigate pollution.
8. Avoiding usage of ozone depleting substances.

ANNEXURE - I

PRODUCTION VS WATER CONSUMPTION DURING THE YEAR 2024-2025

| S.NO | NAME OF THE PRODUCT | Production During the year 2024-25 KG/Annum | Water Consumption per ton of production During the year (2024-25) |
|-------------|--------------------------------|--|--|
| 1 | ABACAVIR SULPHATE - IP | 800 | 1.95 |
| 2 | ALENDRONATE SODIUM - USP | 155 | -- |
| 3 | AMLODIPINE BESYLATE | 9237.5 | 24.34 |
| 4 | AMBROXOL HCl | 15 | -- |
| 5 | ARIPIPRAZOLE | 559.5 | 71.84 |
| 6 | ATORVASTATIN CALCIUM | 18910.43 | 31.04 |
| 7 | BENAZEPRIL HCl - USP | 10 | 26 |
| 8 | BENFOTIAMINE | 1086.85 | 14.66 |
| 9 | BICTEGRAVIR SODIUM | 1 | -- |
| 10 | CANDESARTAN CILEXETIL | 428 | 54.56 |
| 11 | CILOSTAZOL | 3835.45 | 28 |
| 12 | CITICOLINE SODIUM | 6038.99 | 42.33 |
| 13 | DARUNAVIR ETHANOLATE - HIS | 385 | 2.96 |
| 14 | DACLATASVIR DIHYDROCHLORIDE | 1050.45 | 84.44 |
| 15 | DEFLAZACORT - IHS | 194 | 51.33 |
| 16 | DESLORATIDINE | 243 | 33.83 |
| 17 | DOMPERIDONE - IP | 45288.03 | 22.82 |
| 18 | DOLUTEGRAVIR | 17850.97 | 37.72 |
| 19 | DULOXETINE HCl -USP | 3628.03 | 29.58 |
| 20 | EFAVIRENZ - IP | 1940 | 47.11 |
| 21 | EMTRICITABINE - IP | 3330.59 | 9.62 |
| 22 | EPLERENONE | 2057.41 | 296.84 |
| 23 | ESCITALOPRAM OXALATE | 4775.85 | 99.99 |
| 24 | ETORICOXIB -IHS | 45142.09 | 41.28 |
| 25 | EZETIMIBE | 990.66 | 148.50 |
| 26 | FEBUXOSTAT | 456 | 2.66 |
| 27 | FLUCONAZOLE – IP | 4634.6 | 22.96 |
| 28 | FOLIC ACID | 798.47 | 286.30 |
| 29 | GLICLAZIDE | 200 | 17.08 |
| 30 | HRF-009 | 660 | -- |
| 31 | HYDRALAZINE | 2 | 21.61 |
| 32 | HYDROXYCHLOROQUINE SULPHATE IP | 3087.75 | -- |
| 33 | IBS INTER | 19588.6 | -- |
| 34 | IRBESARTAN | 63027.94 | 23.43 |
| 35 | LAMIVUDINE IP | 92641.48 | 10.63 |
| 36 | LACOSAMIDE | 461 | 21.96 |
| 37 | LEDIPASVIR PREMIX -IHS | 60 | 102.90 |
| 38 | LEVETIRACETAM - USP | 329696.79 | 0 |
| 39 | LORATADINE - USP | 1962 | 5.55 |
| 40 | LOSARTAN POTASSIUM | 29206 | 51.04 |
| 41 | METHYLCOBALAMIN | 1.395 | 35.71 |
| 42 | NABUMETONE | 11063 | |

| | | | |
|----|--------------------------------------|----------|--------|
| 43 | NADIFLOXACIN -IHS | 139.45 | 36.61 |
| 44 | NEVIRAPINE - IP | 635 | 4.34 |
| 45 | OSELTAMIVIR PHOSPHATE | 6383.42 | 246.84 |
| 46 | PANTOPRAZOLE SODIUM - IP | 96554.2 | 20.47 |
| 47 | PHENYLEPHRINE HCl | 300.2 | 42.72 |
| 48 | PIOGLITAZONE HCl | 6376.5 | 79.03 |
| 49 | PREGABALIN | 946 | 17.15 |
| 50 | QUETIAPINE FUMARATE (FORM I) IHS | 9827.58 | 31.77 |
| 51 | RAMIPRIL - IP | 731.2 | 33.33 |
| 52 | ROSUVASTATIN CALCIUM | 5036 | 20.03 |
| 53 | RUPATADINE FUMARATE | 273 | 4.67 |
| 54 | SILODOSIN | 4.05 | -- |
| 55 | SIMVASTATIN - USP | 21128 | 107.16 |
| 56 | SOFOSBUVIR S | 6933.26 | 89.29 |
| 57 | STAVUDINE - IP | 25 | 5.80 |
| 58 | TELMISARTAN - IP | 19827.69 | 64.38 |
| 59 | TERBINAFINE HYDROCHLORIDE | 17668.7 | 5.35 |
| 60 | TENOFOVIR ALAFENAMIDE FUMARATE IP | 16973.54 | -- |
| 61 | TENOFOVIR | 73747.82 | 27.80 |
| 62 | TRANEXAMIC ACID | 250 | 25.58 |
| 63 | TIOCONAZOLE - BP | 890 | 23.94 |
| 64 | VALSARTAN | 16686.18 | 23.80 |
| 65 | VELPATASVIR PREMIX IH | 953.68 | 59.58 |
| 66 | VR2 | 190 | -- |
| 67 | VORICONAZOLE | 595.2 | 234.69 |
| 68 | VOGLIBOSE - IP | 119.9 | 351.21 |
| 69 | ZIDOVUDINE - IP | 3867.25 | 13.66 |

DETAILS OF RAW MATERIAL CONSUMPTION

| RAW MATERIAL CONSUMPTION DATA FROM 01.04.2024 to 31.03.2025 | | |
|--|--|------------|
| S.No | Name of the Materials | Qty |
| 1 | (1S, CIS)-OCTAHYDRO-10-OXO-9-PHTHALIMIDO | 1,115 |
| 2 | 1,1,3,3-TETRAMETHYLGUANIDINE | 673 |
| 3 | 1,1-CYCLOBUTANE DICARBOXYLIC ACID | 40 |
| 4 | 1,1-CYCLOHEXANE DIACETIC ACID | 564 |
| 5 | 1,3-DI FLUORO BENZENE(372-18-9) | 9,000 |
| 6 | 1,8-DIAZABICYCLO (5,4,0) UNDEC-7-ENE | 600 |
| 7 | 2,3-DI METHYL-4-NITRO PYRIDINEN-OXIDE | 5 |
| 8 | 2,3-EPOXY-2-METHYL-N-[4-CYANO-3-TRIFLUOR | 2 |
| 9 | 2,4-DIFLUORO-2-(1H-1,2,4-TRIAZOLE-1-YL) | 2,510 |
| 10 | 2,5-DIAMINO-4,6-DIHYDROXY PYRIMIDINE HCL | 3,281 |
| 11 | ACETIC ACID | 48,756 |
| 12 | ACETYL CHLORIDE | 41,415 |
| 13 | ACTIVATED CARBON 51N (SPL) | 64,980 |
| 14 | ACTIVATED CARBON MB 400 | 7,160 |
| 15 | ACTIVATED CARBON NORIT CN1 | 30 |
| 16 | ACTIVATED CARBON NORIT DARCO G 60 | 480 |
| 17 | AMMONIUM ACETATE | 1,545 |
| 18 | AMMONIUM CHLORIDE | 8,520 |
| 19 | AMMONIUM FORMATE | 2,308 |
| 20 | AMMONIUM SULPHATE | 8,850 |
| 21 | ANILINE | 74,360 |
| 22 | BENZOYL CHLORIDE | 28,024 |
| 23 | BENZYL BROMIDE | 1,020 |
| 24 | BENZYL CHLORIDE | 501 |
| 25 | BETA-THYMIDINE | 3,705 |
| 26 | CAUSTIC SODA FLAKES | 3 |
| 27 | CAUSTIC SODA LYE | 2,23,333 |
| 28 | CHLOROMETHYL ISO PROPYL CARBONATE | 2,09,395 |
| 29 | CYCLOHEXANE | 21,149 |
| 30 | CYCLOHEXANONE | 30,477 |
| 31 | ETHYL ACETATE | 56 |
| 32 | ETHYL BROMO DIFLUORO ACETATE | 13,860 |
| 33 | ETHYL CHLORO FORMATE | 11 |
| 34 | FERRIC CHLORIDE | 1,190 |
| 35 | FIERO | 53,100 |
| 36 | GLUTARIC ANHYDRIDE | 750 |
| 37 | GLYCINE | 89,916 |
| 38 | HYDROGEN PEROXIDE | 8,000 |

| | | |
|----|--|----------|
| 39 | HYDROXYL AMINE HCL | 600 |
| 40 | IRON POWDER | 1,246 |
| 41 | ISO BUTYL AMINE | 2,750 |
| 42 | ISO PROPYL ACETATE | 1,850 |
| 43 | ISO PROPYL ALCOHOL | 5,101 |
| 44 | ISOBUTYL BORONIC ACID | 438 |
| 45 | LIQUID BROMINE | 89,050 |
| 46 | LIQUOR AMMONIA | 83 |
| 47 | LITHIUM CHLORIDE | 160 |
| 48 | MAGNESIUM CHLORIDE HEXA HYDRATE | 61,554 |
| 49 | MAGNESIUM TERT.BUTOXIDE | 25,200 |
| 50 | METHYL ISO BUTYRYL ACETATE | 810 |
| 51 | N-(EXO-8-BENZYL-8-AZABICYCLO[3,2,1]OCTAN | 7,865 |
| 52 | N,N,DICYCLOHEXYL CARBODIMIDE | 250 |
| 53 | N,N-DI METHYL FORMAMIDE DI METHYL ACETAL | 1,300 |
| 54 | N,O-BIS-(TRIMETHYLSILYL)-ACETA MIDE | 1,380 |
| 55 | ORTHO CHLORO BENZALDEHYDE | 171 |
| 56 | ORTHO XYLENE | 105 |
| 57 | OXALIC ACID | 1,36,915 |
| 58 | PALLADIUM (II) CHLORIDE | 1 |
| 59 | PANTOPRAZOLE (CDMPH) | 65,253 |
| 60 | PARA FLUORO ANILINE | 666 |
| 61 | PARA HYDROXY BENZALDEHYDE | 1,665 |
| 62 | PARA TOLUENE SULPHONIC ACID | 269 |
| 63 | RECOVERABLE 5% PALLADIUM ON CARBON | 221 |
| 64 | R-METHYL OXAZABOROLIDINE IN TOLUNE 1M | 1,434 |
| 65 | RUCL(P-CYMENE)[(R,R)-TS-DPEN] | 1,470 |
| 66 | SODIUM ACETATE ANHYDROUS | 935 |
| 67 | SODIUM AZIDE | 5,487 |
| 68 | SODIUM BI CARBONATE | 525 |
| 69 | SODIUM BI SULPHITE | 1,137 |
| 70 | TRI ETHYL AMINE | 30 |
| 71 | TRI ETHYL ORTHO FORMATE | 122 |
| 72 | TRI ETHYL SILANE | 100 |
| 73 | ZINC CHLORIDE | 750 |
| 74 | ZINC CHLORIDE LR | 22 |
| 75 | ZINC DUST | 20 |

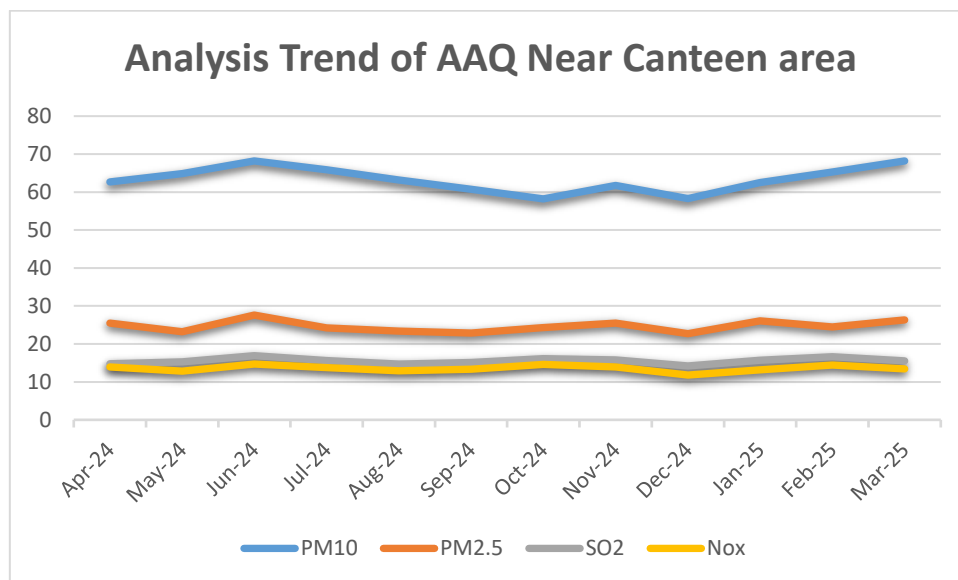
Details of Monitoring : Ambient Air Quality

Location : Near canteen area

Frequency of monitoring : Monthly

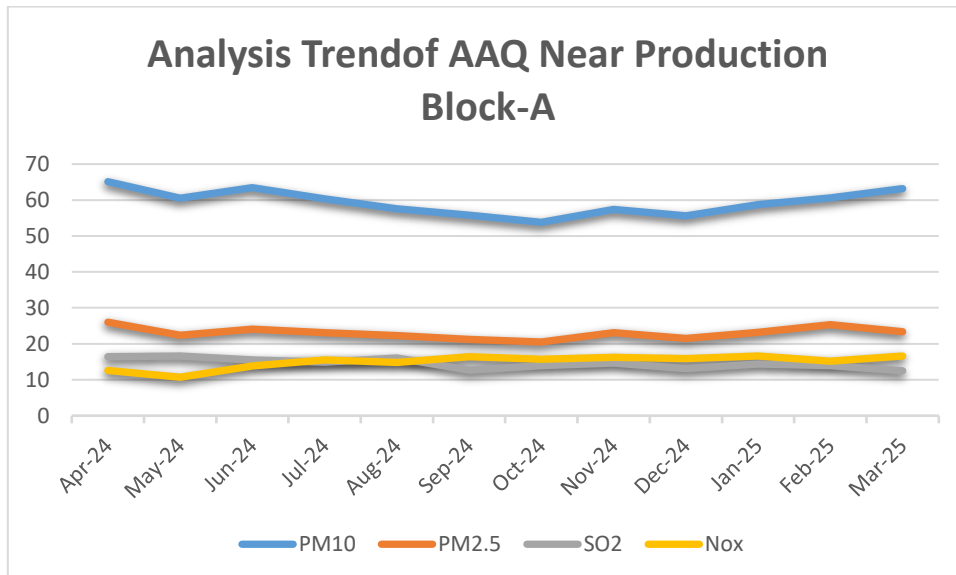
**Carried by : M/s S.V. Enviro Labs & Research Pvt Ltd,
Visakhapatnam**

| S.NO | PM ₁₀ | PM _{2.5} | SO ₂ | NO _x |
|--------|------------------|-------------------|-----------------|-----------------|
| Apr-24 | 62.7 | 25.5 | 14.8 | 13.9 |
| May-24 | 64.9 | 23.2 | 15.3 | 12.8 |
| Jun-24 | 68.2 | 27.6 | 16.9 | 14.7 |
| Jul-24 | 65.9 | 24.2 | 15.6 | 13.8 |
| Aug-24 | 63.2 | 23.4 | 14.7 | 12.9 |
| Sep-24 | 60.7 | 22.9 | 15.1 | 13.3 |
| Oct-24 | 58.2 | 24.3 | 16.1 | 14.6 |
| Nov-24 | 61.7 | 25.5 | 15.8 | 13.9 |
| Dec-24 | 58.3 | 22.7 | 14.2 | 11.8 |
| Jan-25 | 62.5 | 26.1 | 15.7 | 13.2 |
| Feb-25 | 65.3 | 24.5 | 16.6 | 14.4 |
| Mar-25 | 68.2 | 26.3 | 15.5 | 13.4 |



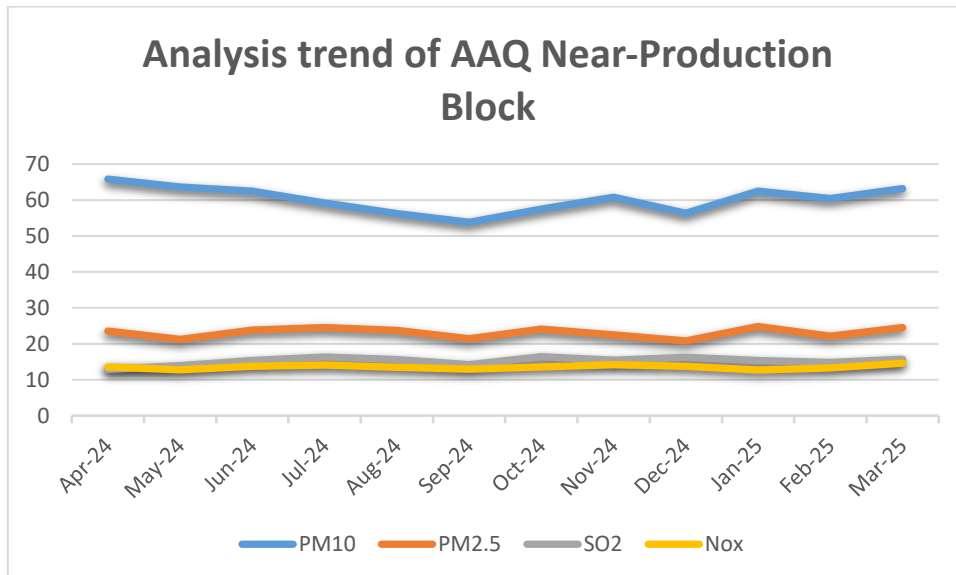
Details of Monitoring : Ambient Air Quality
Location :Near production area block(a)
Frequency of monitoring : Monthly
Carried by : M/s S.V. Enviro Labs & Research Pvt Ltd,
Visakhapatnam

| S.NO | PM ₁₀ | PM _{2.5} | SO ₂ | NO _x |
|--------|------------------|-------------------|-----------------|-----------------|
| Apr-24 | 65.1 | 26 | 16.4 | 12.6 |
| May-24 | 60.5 | 22.4 | 16.6 | 10.7 |
| Jun-24 | 63.4 | 24.1 | 15.5 | 13.8 |
| Jul-24 | 60.3 | 23.1 | 14.9 | 15.5 |
| Aug-24 | 57.6 | 22.3 | 16.1 | 14.8 |
| Sep-24 | 55.8 | 21.2 | 12.7 | 16.4 |
| Oct-24 | 53.8 | 20.5 | 13.9 | 15.7 |
| Nov-24 | 57.4 | 23.1 | 14.6 | 16.2 |
| Dec-24 | 55.6 | 21.5 | 13.1 | 15.9 |
| Jan-25 | 58.7 | 23.2 | 14.4 | 16.6 |
| Feb-25 | 60.6 | 25.3 | 13.9 | 15.2 |
| Mar-25 | 63.2 | 23.4 | 12.5 | 16.6 |



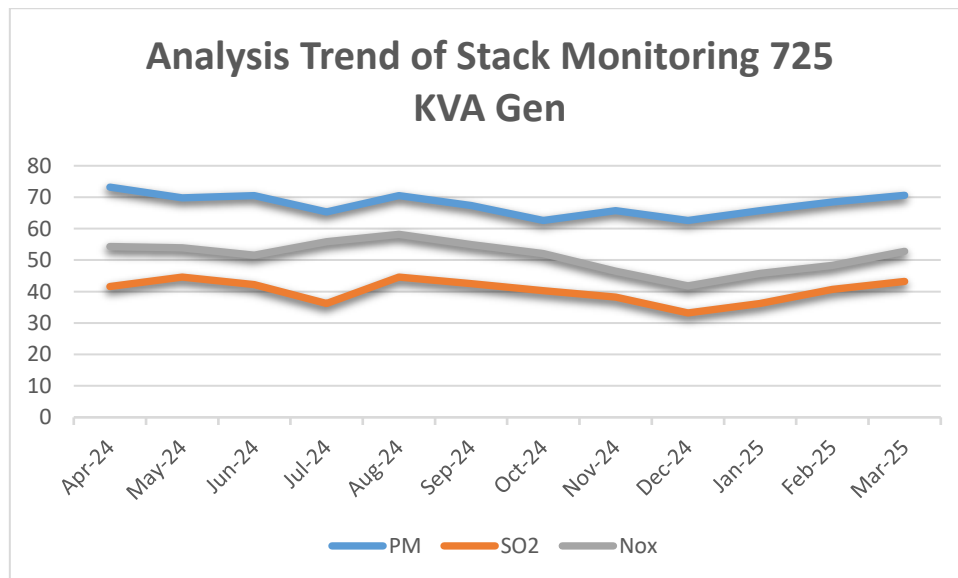
Details of Monitoring : Ambient Air Quality
Location : Near production area block
Frequency of monitoring : Monthly
Carried by : M/s S.V. Enviro Labs & Research Pvt Ltd,
 Visakhapatnam

| S.NO | PM ₁₀ | PM _{2.5} | SO ₂ | NO _x |
|--------|------------------|-------------------|-----------------|-----------------|
| Apr-24 | 67.5 | 23.7 | 17.8 | 15.9 |
| May-24 | 68.1 | 26.8 | 15.3 | 13.9 |
| Jun-24 | 70.6 | 29.3 | 17.7 | 12.9 |
| Jul-24 | 67.4 | 28.1 | 16.6 | 13.8 |
| Aug-24 | 65.4 | 26.5 | 15.2 | 11.6 |
| Sep-24 | 62.6 | 24.9 | 14.5 | 11.1 |
| Oct-24 | 60.2 | 21.6 | 13.1 | 12.4 |
| Nov-24 | 63.5 | 24.9 | 14.8 | 13.7 |
| Dec-24 | 61.5 | 23.7 | 16.2 | 12.8 |
| Mar-00 | 64.5 | 25.3 | 15.1 | 13.8 |
| Feb-25 | 60.5 | 22.7 | 16.3 | 14.4 |
| Mar-25 | 62.5 | 24.4 | 15.7 | 13.2 |



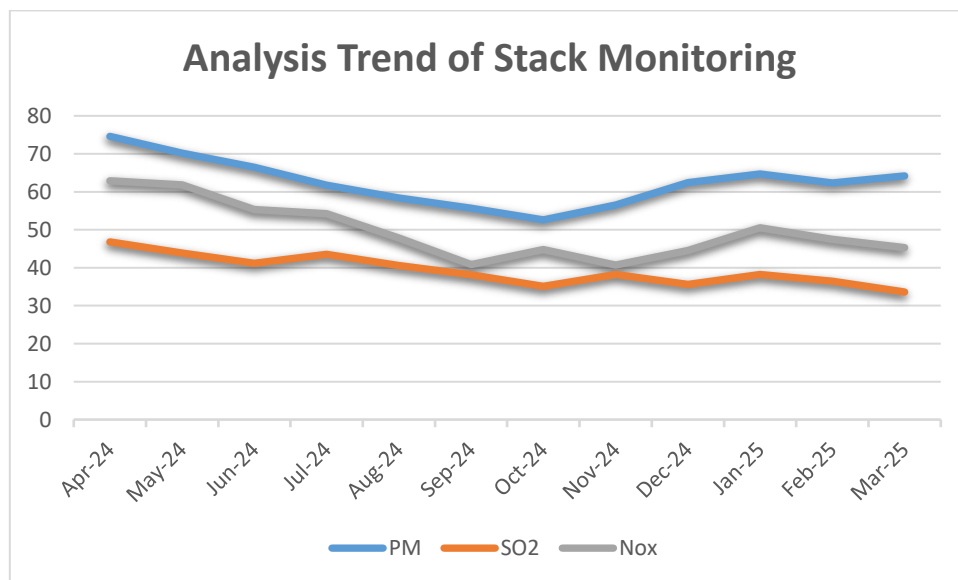
Details of Monitoring : **Stack Monitoring**
Source Of Collection : **725 KVA GENERATOR**
Frequency of monitoring : **Monthly**
Carried by : **M/s S.V. Enviro Labs & Research Pvt Ltd, Visakhapatnam**

| S.NO | PM | SO ₂ | NO _x |
|--------|------|-----------------|-----------------|
| Apr-24 | 73.2 | 41.6 | 54.3 |
| May-24 | 69.8 | 44.6 | 53.9 |
| Jun-24 | 70.5 | 42.2 | 51.6 |
| Jul-24 | 65.3 | 36.2 | 55.8 |
| Aug-24 | 70.5 | 44.6 | 58.2 |
| Sep-24 | 67.3 | 42.5 | 54.9 |
| Oct-24 | 62.6 | 40.3 | 52.1 |
| Nov-24 | 65.7 | 38.2 | 46.5 |
| Dec-24 | 62.6 | 33.2 | 41.8 |
| Jan-25 | 65.7 | 36.2 | 45.8 |
| Feb-25 | 68.5 | 40.7 | 48.3 |
| Mar-25 | 70.6 | 43.2 | 52.8 |



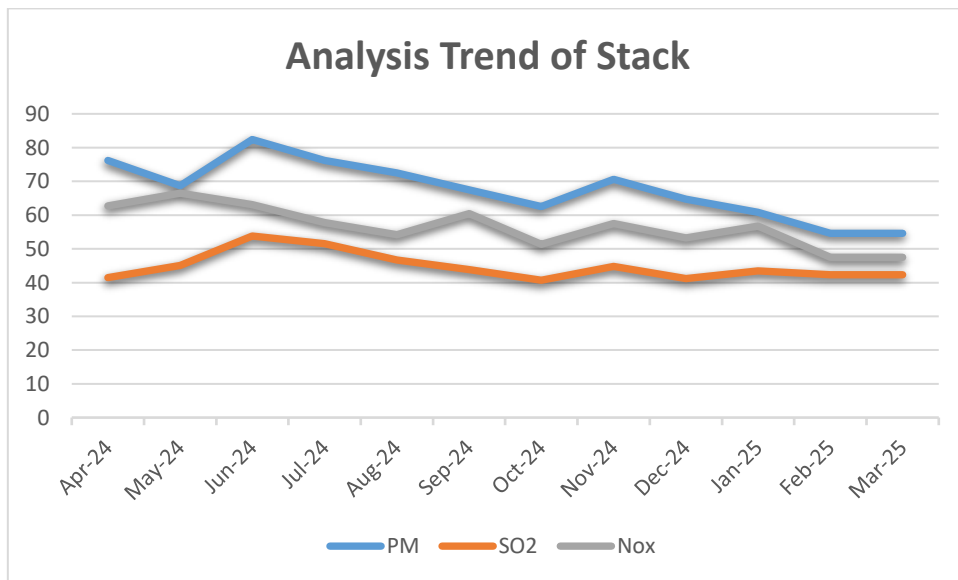
Details of Monitoring : **Stack Monitoring**
Source Of Collection : **1165 KVA DG SET -1**
Frequency of monitoring : **Monthly**
Carried by : **M/s S.V. Enviro Labs & Research Pvt Ltd, Visakhapatnam**

| S.NO | PM | SO ₂ | NO _x |
|--------|------|-----------------|-----------------|
| Apr-24 | 74.6 | 46.8 | 62.9 |
| May-24 | 70.2 | 43.9 | 61.8 |
| Jun-24 | 66.5 | 41.2 | 55.3 |
| Jul-24 | 61.7 | 43.5 | 54.2 |
| Aug-24 | 58.4 | 40.6 | 47.8 |
| Sep-24 | 55.7 | 38.1 | 40.8 |
| Oct-24 | 52.6 | 35.1 | 44.8 |
| Nov-24 | 56.5 | 38.2 | 40.7 |
| Dec-24 | 62.4 | 35.6 | 44.5 |
| Jan-25 | 64.7 | 38.2 | 50.5 |
| Feb-25 | 62.3 | 36.4 | 47.5 |
| Mar-25 | 64.2 | 33.6 | 45.3 |



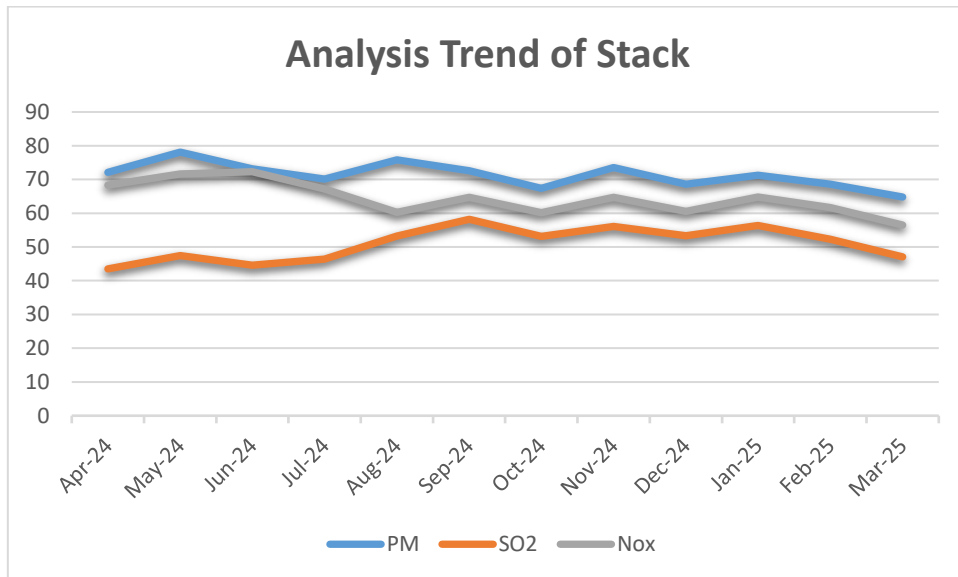
Details of Monitoring : **Stack Monitoring**
Source Of Collection : **1165 KVA DG SET -II**
Frequency of monitoring : **Monthly**
Carried by : **M/s S.V. Enviro Labs & Research Pvt Ltd, Visakhapatnam**

| S.NO | PM | SO ₂ | NO _x |
|--------|------|-----------------|-----------------|
| Apr-24 | 76.2 | 41.5 | 62.7 |
| May-24 | 68.7 | 45.1 | 66.5 |
| Jun-24 | 82.4 | 53.8 | 63.1 |
| Jul-24 | 76.2 | 51.5 | 57.8 |
| Aug-24 | 72.5 | 46.7 | 54.2 |
| Sep-24 | 67.5 | 43.8 | 60.4 |
| Oct-24 | 62.5 | 40.7 | 51.3 |
| Nov-24 | 70.6 | 44.8 | 57.5 |
| Dec-24 | 64.7 | 41.2 | 53.2 |
| Jan-25 | 60.8 | 43.5 | 56.7 |
| Feb-25 | 54.6 | 42.3 | 47.5 |
| Mar-25 | 54.6 | 42.3 | 47.5 |



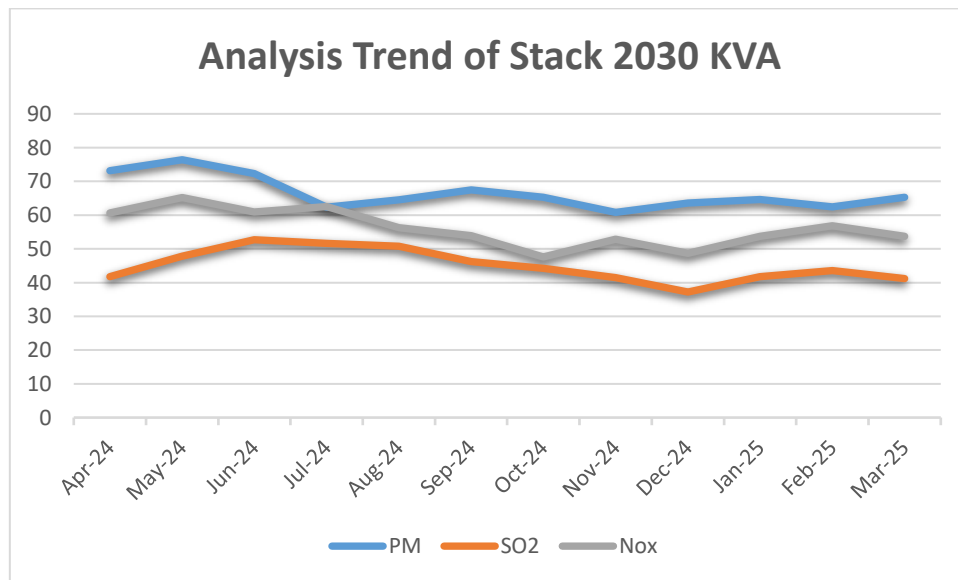
Details of Monitoring : **Stack Monitoring**
Source Of Collection : **2030 KVA DG SET -I**
Frequency of monitoring : **Monthly**
Carried by : **M/s S.V. Enviro Labs & Research Pvt Ltd, Visakhapatnam**

| S.NO | PM | SO2 | Nox |
|--------|------|------|------|
| Apr-24 | 72.1 | 43.5 | 68.3 |
| May-24 | 78.1 | 47.4 | 71.6 |
| Jun-24 | 73.2 | 44.6 | 72.3 |
| Jul-24 | 70.1 | 46.4 | 67.2 |
| Aug-24 | 75.8 | 53.2 | 60.3 |
| Sep-24 | 72.6 | 58.2 | 64.7 |
| Oct-24 | 67.4 | 53.1 | 60.2 |
| Nov-24 | 73.5 | 56.4 | 64.7 |
| Dec-24 | 68.6 | 53.3 | 60.5 |
| Jan-25 | 71.3 | 56.4 | 64.8 |
| Feb-25 | 68.6 | 52.3 | 61.7 |
| Mar-25 | 64.8 | 47.1 | 56.5 |



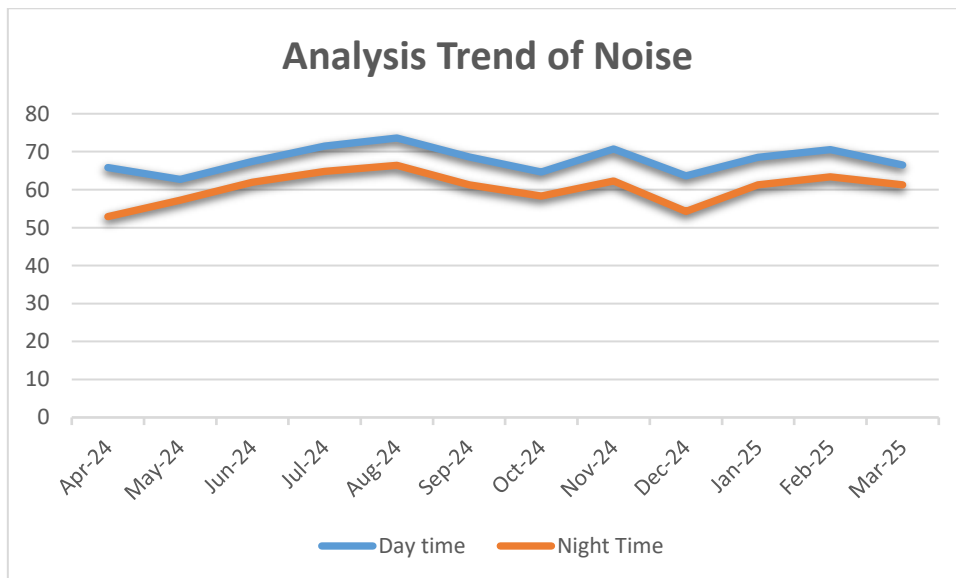
Details of Monitoring : **Stack Monitoring**
Source Of Collection : **2030 KVA DG SET -II**
Frequency of monitoring : **Monthly**
Carried by : **M/s S.V. Enviro Labs & Research Pvt Ltd, Visakhapatnam**

| S.NO | PM | SO ₂ | NO _x |
|--------|------|-----------------|-----------------|
| Apr-24 | 73.2 | 41.8 | 60.6 |
| May-24 | 76.4 | 47.8 | 65.2 |
| Jun-24 | 72.3 | 52.7 | 60.9 |
| Jul-24 | 62.3 | 51.6 | 62.5 |
| Aug-24 | 64.5 | 50.8 | 56.3 |
| Sep-24 | 67.5 | 46.2 | 53.9 |
| Oct-24 | 65.3 | 44.2 | 47.6 |
| Nov-24 | 60.8 | 41.5 | 52.9 |
| Dec-24 | 63.6 | 37.2 | 48.7 |
| Jan-25 | 64.6 | 41.8 | 53.7 |
| Feb-25 | 62.4 | 43.6 | 56.8 |
| Mar-25 | 65.3 | 41.2 | 53.7 |



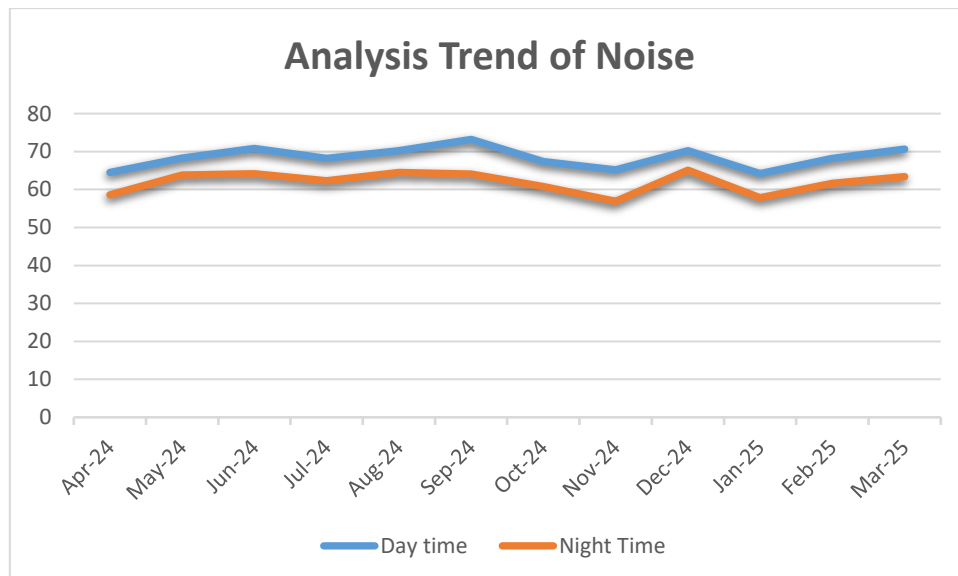
Details of Monitoring : **Noise**
Source Of Collection : **Near Canteen Area**
Frequency of monitoring : **Monthly**
Carried by : **M/s S.V. Enviro Labs & Research Pvt Ltd, Visakhapatnam**

| S.No | Day time | Night Time |
|--------|----------|------------|
| Apr-24 | 65.8 | 52.9 |
| May-24 | 62.7 | 57.2 |
| Jun-24 | 67.4 | 61.9 |
| Jul-24 | 71.5 | 64.8 |
| Aug-24 | 73.6 | 66.4 |
| Sep-24 | 68.6 | 61.3 |
| Oct-24 | 64.6 | 58.3 |
| Nov-24 | 70.7 | 62.3 |
| Dec-24 | 63.6 | 54.3 |
| Jan-25 | 68.5 | 61.3 |
| Feb-25 | 70.5 | 63.4 |
| Mar-25 | 66.5 | 61.3 |



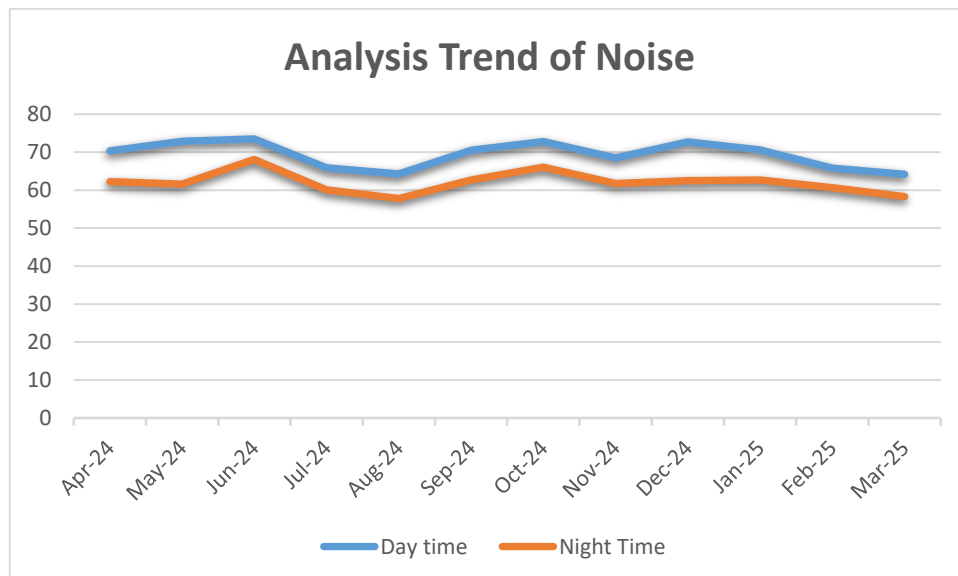
Details of Monitoring : Noise
Source Of Collection : Near Prod
Frequency of monitoring : Monthly
Carried by : M/s S.V. Enviro Labs & Research Pvt Ltd, Visakhapatnam

| S.No | Day time | Night Time |
|--------|----------|------------|
| Apr-24 | 64.5 | 58.6 |
| May-24 | 68.3 | 63.8 |
| Jun-24 | 70.8 | 64.2 |
| Jul-24 | 68.2 | 62.3 |
| Aug-24 | 70.2 | 64.5 |
| Sep-24 | 73.2 | 64.1 |
| Oct-24 | 67.4 | 60.8 |
| Nov-24 | 65.2 | 56.9 |
| Dec-24 | 70.2 | 65.1 |
| Jan-25 | 64.2 | 57.8 |
| Feb-25 | 68.2 | 61.6 |
| Mar-25 | 70.7 | 63.4 |



Details of Monitoring : Noise
Source Of Collection : Near Prod
Frequency of monitoring : Monthly
Carried by : M/s S.V. Enviro Labs & Research Pvt Ltd, Visakhapatnam

| S.No | Day time | Night Time |
|--------|----------|------------|
| Apr-24 | 70.4 | 62.3 |
| May-24 | 72.9 | 61.6 |
| Jun-24 | 73.5 | 68.1 |
| Jul-24 | 65.9 | 60.1 |
| Aug-24 | 64.3 | 57.8 |
| Sep-24 | 70.5 | 62.7 |
| Oct-24 | 72.8 | 66.1 |
| Nov-24 | 68.5 | 61.8 |
| Dec-24 | 72.7 | 62.5 |
| Jan-25 | 70.6 | 62.7 |
| Feb-25 | 65.8 | 60.7 |
| Mar-25 | 64.2 | 58.3 |



SAKSHI TELUGU NEWS PAPER.

Date: 01/11/2012

విశాఖపట్నం | గురువారం |
నవంబర్ 1 | 2012

సాక్షి



HETERO

HETRO DRUGS LTD

H.O: 7-2-A2, Industrial Estate,
Santanagar, Hyderabad- 500018

ఇందుమూలంగా తెలియజేయడమేమనగా శ్రీంధి తెలుపబడిన మా లాజీ డ్రగ్స్ ప్లాంటుకు పర్యావరణ అనుమతి లభించినది. ఈ అనుమతి పత్రాలను రాష్ట్ర కాలుష్య నియంత్రణ మండలి నుండి లేక పర్యావరణ మలయ అదమిల మంత్రికా శాఖ యొక్క వెబ్సైట్ <http://envfor.nic.in> లో విశ్లేషణచేయవచ్చునని తెలియజేయడమైనది.

1. హెటరో డ్రగ్స్ లిమిటెడ్ యూనిట్ -VI నక్కవల్లి (మం) విశాఖపట్నం జిల్లా
 2. హెటరో లాబ్స్ లిమిటెడ్ యూనిట్ -III నక్కవల్లి (మం) విశాఖపట్నం జిల్లా
- డైరెక్టర్ - ఆపరేషన్స్

VISAKHAPATNAM

THE HINDU • THURSDAY, NOVEMBER 1, 2012

PUBLIC NOTICE

This is to inform all the public that, M/s Hetero Drugs Ltd, Unit-VI and M/s Hetero Labs Ltd, Unit-III situated at Nakkapalli, Visakhapatnam-Dist has been accorded Environmental Clearance vide no: J-11011/398/2010-IA II(I) and J-11011/396/2011-IA II (I) respectively by the ministry of Environment and Forests, GOI and the copies of the clearance letters are available with the APPCB/Committee and may also be seen at website of Ministry at <http://envfor.nic.in>.

Director - operations

Hetero Drugs Ltd, Unit-VI

Hetero Labs Ltd, Unit-III