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/2026-27/02

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 Nakkapalli, Anakapalli (Erstwhile Visakhapatnam) District – Regarding

Ref : Environmental Clearance No: J-11011/396/2010-IA II (I) Dated 10/09/2012

With reference to the above, please find enclosed herewith six-monthly compliance report of Environmental clearance issued to M/s Hetero Labs Ltd, Unit-III for the period 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

S. Kullayi Reddy
Associate Vice President -EHS

Enclosures : As above

Compliance report to the conditions of Environmental Clearance of M/s Hetero Labs Ltd, Unit-III vide Letter No. J-11011/396/2010-IA II (I) dated 10th September 2012

EC compliance period: 1st October 2025 to 31th March 2026

A. Specific Conditions:

S.No	Condition	Compliance
i.	All the specific conditions and general conditions specified in the environmental clearance letter accorded vide ministry no. J-11011/352/2003-IA. II (I) dated 25th 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 25th 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 21st 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 the 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: **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	**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

	shall be monitored regularly and maintained properly. At no time, the emission levels should go beyond the prescribed standards. Scrubber's vent shall be provided with on-line detection and alarm system to indicate higher than permissible value of controlled parameters.	stage scrubbers (Common Scrubbers) are in operation and all scrubbers are provided with online pH meters with data loggers system. Online pH meters are connected to APPCB website. Emission levels are being monitored through portable analysers and records are being maintained. The industry is sending scrubbing media to effluent treatment plant (ETP) of M/s Hetero Infrastructure SEZ Ltd for treatment & disposal. Copy of list of scrubbers installed in the plant is enclosed as **Annexure –III.**
vi.	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 $PM_{10,}$ 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).	**Complied.** 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. The industry is monitoring the Ambient Air Quality through the third-party Laboratory (NABL accredited and approved by MoEF&CC) 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. Latest Ambient Air Quality report is enclosed as **Annexure –II**.
vii.	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.	**Complied.** 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. VOC results for the past one month recorded in online VOC meter is enclosed as **Annexure-IV.**
viii.	Specific VOC to be monitored for the specific solvents using proper sampling and analysis protocols.	**Complied.** VOC is being monitored through portable and online VOC meters and records are being maintained.
ix.	In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions Controlled by providing closed	**Complied.** The industry is controlling fugitive emissions from all sources by following measures:

	storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emission shall conform to the limits stipulated by the APPCB	• Storing solvents in closed tanks with vent condensers in dedicated areas. • 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. As per the records, all emissions are within the limits prescribed by the APPCB.
x.	For further control of fugitive emissions, following steps shall be followed: 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.	**Complied.** 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. 4. Acids are being transferred through closed pipelines from storage tanks to reactors. The vents of storage tanks are connected to the scrubber. 5. There are no underground storage tanks in the factory. 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.
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.	**Complied.** 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. Photograph of DG sets is enclosed as **Annexure-V**
xii.	Solvent management shall be carried out as follows: i. Reactor shall be connected to chilled brine condenser system. ii. Reactor and solvent handling pump shall have mechanical seals to prevent leakages.	**Complied.** 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. 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 plants 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.	iii. All condensers are provided with sufficient HTA residence time to achieve maximum recovery. The installed condensers are designed based on the 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 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.
xiii.	Total freshwater requirement from desalination plant will be 958 m^3/day after expansion and prior permission shall be obtained from the concerned authority. No ground water shall be used.	**Complied.** The industry is using water as per the Consents issued by A.P. Pollution Control Board. 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.
xiv	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 and around the project site. Sewage shall be treated in sewage treatment plant.	**Complied by the industry.** 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. 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). All Low TDS/COD streams are being treated in Biological System along with condensate of MEE. 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. 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/lt 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 the treatment and meeting the standards. The industry has installed treatment plant for contaminated Condensate water and recycling treated condensate water as Boiler feed 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. Drums & carboys containing Hazardous solid chemicals are being stored 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 of to the TSDF. The ash from boiler shall be sold to brick manufacturers.	**Complied.** The industry is disposing hazardous wastes as per the guidelines of MOEF&CC and APPCB as mentioned below. • 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) The details of Hazardous waste and its mode of disposal as per the Hazardous waste Authorization issued by APPCB is enclosed as **Annexure-IX.**
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.	**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-processers authorised by APPCB through Andhra Pradesh Environment Monitoring Corporation Ltd (APEMCL) with online manifest system.
xxi	The salt from drier contains 3-4% organic matter. A study shall be carried out to treat it in a rotary kiln (above 800^0C) 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.	**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.
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.	**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**.
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 hazardous chemicals shall be as per the motor vehicle act (MVA), 1989.	**Complied.** The industry is complying with all the rules and guidelines under MSHIC rules 1989 as amended from time to time. 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	**Complied.** *Boilers are installed in the premises of M/s Hetero Infrastructure SEZ Ltd and required*

	rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust shall be avoided.	*steam for the unit is supplied by **M/s Hetero Infrastructure SEZ Ltd.*** Fly ash is being stored in ash 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.
xxv	The company shall undertake following waste minimization measures: 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 vapor recovery system. f. Use of high-pressure hoses for equipment clearing to reduce wastewater generation.	**Complying.** The industry is complying with the conditions mentioned. a. Having control of quantities of active ingredients. b. Using distilled solvents as raw material in processes as substitutes and byproducts are being sent to authorized recyclers for reuse. c. A closed system of filling is being followed. d. Closed filling into tanks/ receivers from the storage area and then feeding to batch reactors is in place. e. All vents of reactors are provided with dual stage condensers for recovery of vapors from the process. 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.	**Complied.** 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.**
xxvii	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 medical examination to all employees and carrying periodic medical examination to all the employees as per the requirement of Factories Act 1948. The records of medical examinations are being maintained. Sample copy of medical examination report 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 carried by NIO. Compliance report for recommendations of NIO is enclosed as **Annexure-XIV**.

xxix	All the issues raised during the public hearing/consultation meeting held on 19th May 2011 shall be satisfactorily implemented.	**Complied.** The industry has implemented all the issues raised during the public hearing meeting on 19th may, 2011.
xxx	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. Photographs of the greenbelt are enclosed as A**nnexure XV.**
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: • 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 that there is no impact on the surrounding environment.	**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

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 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 followed.** 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 confirm to the standards prescribed under EPA rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime)	**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 aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	**Complied.** ➢ New Hire Orientation training (NHO) for newly joined employees which includes safety and health aspects of chemicals handling. ➢ Safety is an integral part of Monthly training. ➢ Safety trainings as per the yearly training calendar. ➢ Live demo on Firefighting & Chemical handling activities etc. Regular medical examination of all employees is being undertaken as per the Factories Act 1948. Records of all employees are in place.

vii.	Usage of personnel protection equipment's (PPEs) by all employees/ workers shall be ensured.	**Complied.** The industry is providing PPEs to all employees/workers working in the factory. The PPEs are being provided to employees based on the activities performed by the employees and as per PPE matrix. The activity wise PPE matrix is enclosed as **Annexure -XX.**
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.	**Being implemented.**
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.	**Complying.** The industry is carrying out CSR activities in the nearby villages by way of: • 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.
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's installed in the laboratory is enclosed as **Annexure-XXII**.
xii.	As proposed, the company shall earmark adequate funds towards capital cost and	**Complied.**

	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.	The industry is allocating adequate funds to the environment department for implementing the conditions stipulated by the Ministry of Environment and Forests and APPCB.
x	A copy of clearance letter shall be sent by the project proponent to be 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 eccomplaince-ap@gov.in and APPCB. The industry is posting its six-monthly EC compliance report in hetero website www.hetero.com . Also, the industry us uploading the compliance in Parivesh 2.0 portal.
xv	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned state pollution control board as prescribed under the environment(protection) rules,1986, as amended subsequently, shall also be put on the website of the company and shall also be sent to the respective Regional Office of MOEF by e-mail.	**Complied.** The industry is regularly submitting Environmental statement in Form-V to APPCB before 30th September of every year. The same has been posted in hetero website www.hetero.com Copy of 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	**Complied.**

	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

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 (SO2, Nox & HCl) and particulate matter form 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 stared 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 SO2 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.

V	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).	**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.
VI	The company shall undertake following Waste Minimization measures: - • 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.	**Complied.** The industry is taking following measures to minimize the waste: • 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	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.	**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. ➢ 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. Workplace monitoring is being carried through portable instruments.

VIII	Total water requirement forms the ground water or Yeluru Left Bank Canal (YLBC) Shall NOT EXCEED 238 m 3/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 be 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.	**Complied.** 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. 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. 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. 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.
IX	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.	**Complied.** 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. Inorganic salts from MEE, ETP sludge are being disposed of at TSDF for secured landfilling. **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. Waste/Used oil is being sent to authorized recyclers / preprocessors and used batteries are being disposed to authorized distributors/manufacturers on Buyback basis

		The solvent from mother liquor is being 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.

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.	**Complied.** The industry won't carry out any expansions or modifications without the prior approval of MoEF&CC.
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.	**Complied.** 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.
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.	**Complied.** 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
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).	**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. Reports are being submitted to IRO, MoEF&CC along with six monthly compliance Reports.
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.	**Complied.** The industry is having dedicated Environmental Management Cell with laboratory facilities to carry out the Environmental Management and monitoring functions.
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.	**Complied.** 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.

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: eccompliance-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 stared of the project.	**Not Applicable.**

For Hetero Labs Ltd, Unit-III

21/05/2026

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<10μ) or PM_{10}	μg/m^3	59.7	100	IS:5182 (P-23) Gravimetric
2.	Particulate Matter(Size<2.5μ) or $PM_{2.5}$	μg/m^3	20.4	60	IS:5182 (P-24) Gravimetric
3.	Sulphur Dioxide – SO_2	μg/m^3	12.8	80	IS:5182 (P-2)- West and Geake Method
4.	Oxides of Nitrogen - NO_X	μg/m^3	10.5	80	IS:5182(P-6) - Jacob & Hochheiser Method

CHECKED BY

SV Enviro Labs & Research Pvt. Ltd. VSP-12

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<10μ) or PM_{10}	$\mu g/m^3$	57.5	100	IS:5182 (P-23) Gravimetric
2.	Particulate Matter(Size<2.5μ) or $PM_{2.5}$	$\mu g/m^3$	23.1	60	IS:5182 (P-24) Gravimetric
3.	Sulphur Dioxide – SO_2	$\mu g/m^3$	14.4	80	IS:5182 (P-2)- West and Geake Method
4.	Oxides of Nitrogen - NO_X	$\mu g/m^3$	11.6	80	IS:5182(P-6) - Jacob & Hochheiser Method

CHECKED BY

SV Enviro Labs & Research Pvt. Ltd. VSP-12

AUTHORIZED SIGNATORY

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<10μ) or PM_{10}	$\mu g/m^3$	64.6	100	IS:5182 (P-23) Gravimetric
2.	Particulate Matter(Size<2.5μ) or $PM_{2.5}$	$\mu g/m^3$	26.1	60	IS:5182 (P-24) Gravimetric
3.	Sulphur Dioxide – SO_2	$\mu g/m^3$	16.7	80	IS:5182 (P-2)- West and Geake Method
4.	Oxides of Nitrogen - NO_X	$\mu g/m^3$	14.2	80	IS:5182(P-6) - Jacob & Hochheiser Method

CHECKED BY

SV Enviro Labs & Research Pvt. Ltd. VSP-12

AUTHORIZED SIGNATORY

HETERO LABS LIMITED, UNIT-III
SCBUBBERS LIST

ALL BLOCKS SCBUBBERS DETAILS

S.NO		BLOCK	SCB No	DESCRIPTION			ON LINE P^H METER	Number of Stages
				CFM	MOC	Receiver CAP (KL)		
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		PPFRP	5	YES	Double Stage
			PB3/SCB-004	Ø 2000*6.1M	PP/FRP	5		
7			PB3/SCB-005		PP/FRP			Double Stage
			PB3/SCB-006	Ø 1000*6.1M	HDPE	5		
			PB3/SCB-005	Ø 1000*6.1M		5		
8		PB4	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
				Ø1000*8M	HDPE	2		
17		L	L/SCB-02	Ø1000*6M	HDPE	3	YES	Double Stage
				Ø1000*6M	HDPE	3		
18		L	L/SCB-03	Ø1000*6M	HDPE	5	YES	Double Stage
				Ø1000*6M	HDPE	5		
19		L	L/SCB-04	Ø900*6M	HDPE	2	YES	Double Stage
				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		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 -I		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	

ANNEXURE-IV

Real Time Data Acquisition And Monitoring

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_ 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_Gat 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

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

Ref: SV/HISEZL/26-04/01 Date: 23-04-2026

NAME AND ADDRESS : **M/s. HETERO INFRASTUCTURE 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 24th 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 27^0C)	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 5^0C 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 NO3-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_6H_5OH)	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

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

CHECKED BY

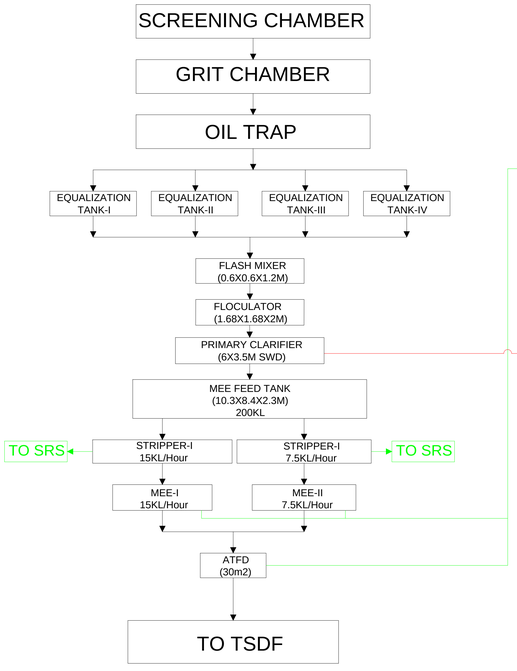
SV Enviro Labs & Research Pvt. Ltd. VSP-12

AUTHORIZED SIGNATORY

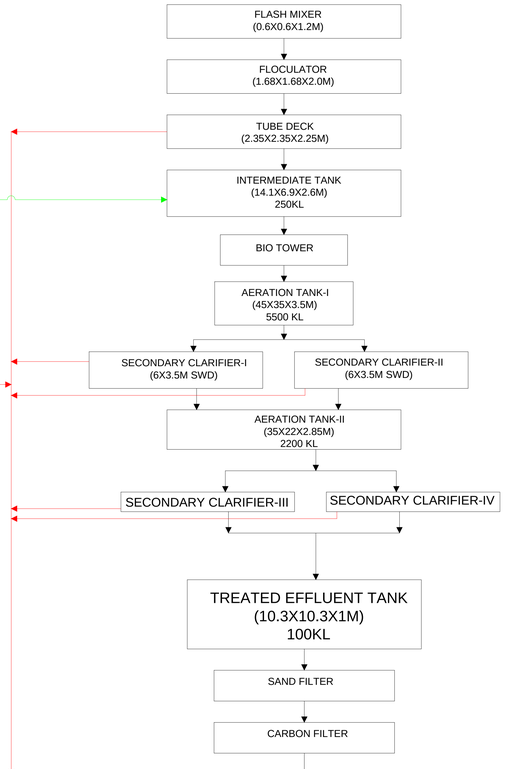
HETERO INFRASTRUCTURE SEZ LIMITED

EXISTING ETP - 550KLD

HTDS

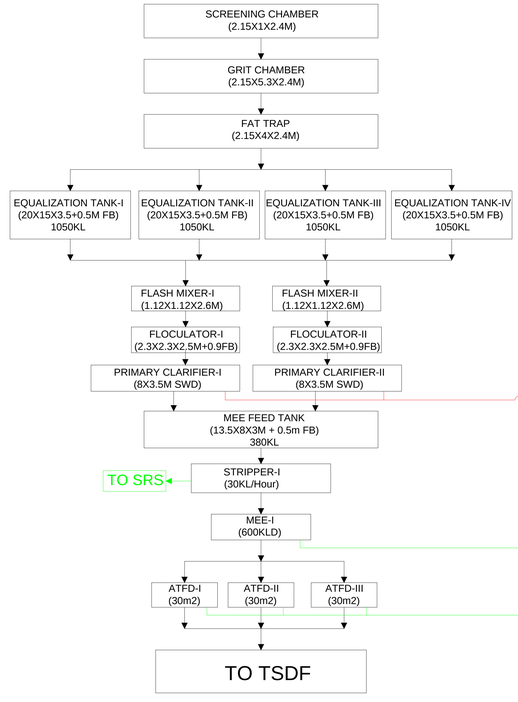


LTDS



1 MLD NEW ETP

HTDS



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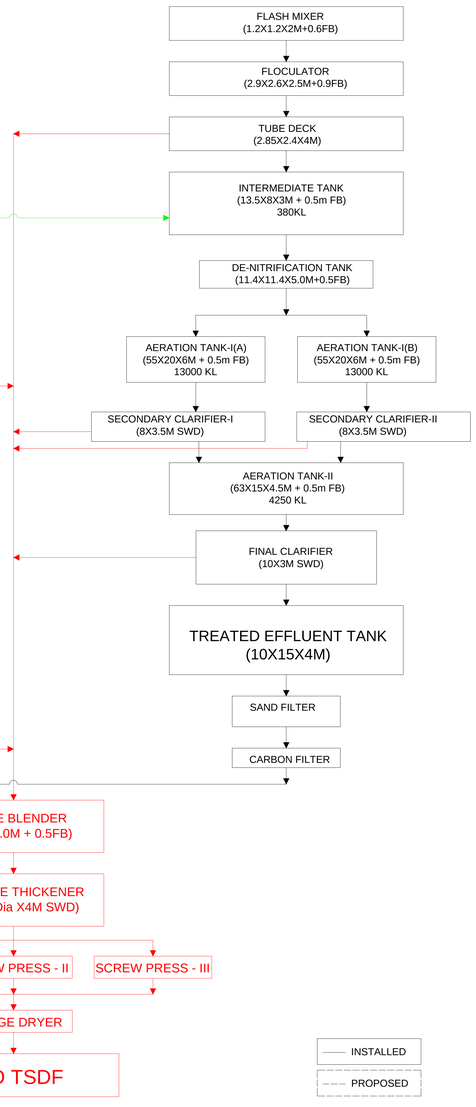
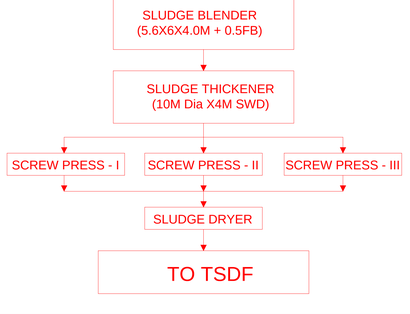




INSTALLED

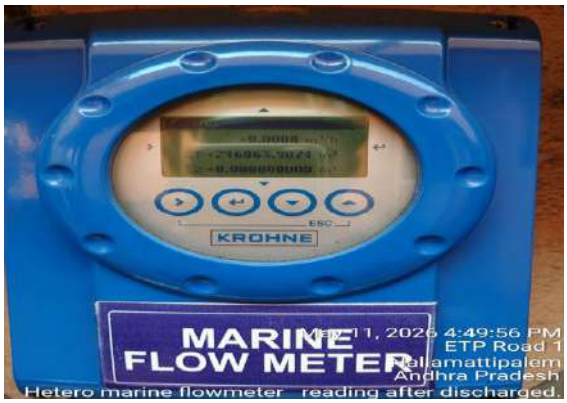
PROPOSED

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.(
3	Amlodipine Besylate	100	Corn (Phthelic anhydrite)	84.(
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-di methyl 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	50(
10	Domperidone IP	333.33	5-chloro-1-(piperidin-4-yl)-1,3-di hydro-2H-benzimidazol-2-one	229.
11	Etoricoxib	66.67	N,N-Dimethylforamide	109.
12	Folic acid	66.67	4-Nitrobenzoic acid	55.5
13	Fluconazole	333.33	(DFT) 1-(2,4-Difluoro phenyl)-2-(1H-1,2,4-Triazol-1-y) 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	Gama butyrolactone	246.
19	Losartan Potassium	866.67	Valeronitrile	587.
20	Osaltamivir phosphate	66.66	Shikimic acid	74.(
21	Pantoprazole Sodium	500	3-Hydroxy-2-Methyl-4H-pyran-4-one	476.
22	Pthalazinone	333.33	Phthalamide	392.

23	Phenyl Ephrine HCl	166.67	3-Hydroxyacetophenone(HPE)	111.
24	Pioglitazone Hyfrochloride	166.67	5-Ethyl-2 pyrridine Ethanol	111.
25	Quetiapine fumerate	500	Thiophenol	192.
26	Relugolex	100	2-((2,6-difluorobenzyl) ethoxycarbonyl)amino)-4-((dimethylamino)methyl)-5-(4-nirophenyl)thiophene-3-carboxylic	10
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-dimrthyl-1,3-dioxan-4-yl)acetate	12
29	Simvastatin	66.67	Lovastatin	49.
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.
36	Zidovudine	333.33	Thymidine	201.
37	Zonisamide	66.67	4-hydroxycoumarin	75.
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	493
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 Carbostyril (HDC)	26.(
4	Atazanavir Sulphate	33.33	4-Formayl benzene boronic acid	25.(
5	Atomoxetine HCL	33.33	Acetophenone	24.'
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.(
9	Benfotiamine	33.33	Thiamine Hydrochloride	37.(
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 cilexetile	3.33	Methyl-2-ethoxy-1-([2'-(1H-tetrazole-5-yl)biphenyl-4-yl) methyl]benzinidezole-7 carboxylate	3.6
15	Carfilzomib	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 butyricacod	0.7
17	Cilostazol	33.33	3,4-Dihydro-6-hydroxy-2(1H)-quinolinone	22.2
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-ylidence)-1-piperidine carboxylate	4.7
22	Deflazacort	1.66	11β, 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	11.9
26	Effavirenz	33.33	(S)-5-Chloro-a (cyclo propyl ethynyl) -2-Amino-a-(trifluomethyl) -benzene methanol	64.(
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.(
29	Enzalutamide	3.33	2-Fluro -4-nitro benzoic acid	3.9
30	Eplerenone	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 [cychlopenta[a] PhenanthDione rene-17,2-furan]-3,5 (2H,4H)-Dione	3.6
31	Eprosartan Mesylate	16.67	p-toluic acid	18.9
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.(
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.(

			benzaldehyde	
40	Glimpiride	26.67	4-[2-(3-ethyl-4-methyl-2-oxo-3-pyrroline-1-carboxamido) ethyl]benzene sulfonamide	28.9
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	30.2
43	Itraconazole	25	2,4-dihydro-4-[4-[4-[4-4 methoxy phenyl]-1piperazinyl]phenyl]-2-(1-methylpropyl)-3-H-1,2,4-triazol-3-one	27.7
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	26.7
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	22.2
51	Loratadine	6.67	3-(2-(3-chlorophenyl)ethyl)pyridine-2yl)(1-methylpiperidine-4-yl)methanone hydro chloride	9.5
52	Maraviroc	16.67	Benzaldehyde	22.2
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-Chlro nicotinic acid	9.6
57	Nadifloxacin	3.33	8,9-Difluoro-6,7-dihydro-5-methyl-1-oxo-1H,5H-benzo[ij]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	13.3
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,endol-octahydro cyclopenta [b]pyrrol-2(S)-Carboxylate Hydrochloride	37.(
64	Rupatadine Fumarate	33.33	5- Methyl nicotinic acid	41.(
65	Ruxolatinib Phosphate	1.66	4-Chloro-7H-Pyrrolo [2,3-d] Pyrimidine	1.1
66	Sunitinib Malate	3.33	5-Fluoroisatine	16.(
67	Sofosbuvir	50	Synhydride	65.7
68	Sorafanib	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.(
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.(
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. 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.
2	Ammonium phosphate (L)	971.02	
3	DAP (L)	533.40	
4	HBR	3.0	
5	KCL salt	1453.47	
6	LiH	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

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

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

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 CPCB & 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/Nm3)
3	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

15. The industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10mm) - 100 mg/ m3; PM2.5 (Particulate Matter size less than 2.5 mm) - 60 mg/ m3; SO2- 80 mg/ m3; NOx - 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.

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

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.

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

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

Digitally signed by
SHANMUGAM SRISARAVANAN
Date: 19-01-2025 16:59:12

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**

FOAM

CO2

DCP

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

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

ANNEXURE-XII

Government of Andhra Pradesh

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 Á 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.

<< 0 >>

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.

<< 0 >>

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.

Sindhu HOSPITALS

ANNEXURE-XIII

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

Sindhu HOSPITALS

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

Sindhu HOSPITALS

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 NAKKAPALLI
Lab ID	: 34180	Sample Id	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

Sri Sindhu Foundation, Sy.No-41/14/2, Khanamet (V), Serilingampally (M), Ranga Reddy District, Telangana 500084, Ph: +91 40 4545 4545
info@sindhuhospitals.com
www.sindhuhospitals.com

Sindhu HOSPITALS

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)

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 **Method : EDTA Whole blood, modified westerngren**	08	<15	mm/hr

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.

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info@sindhuhospitals.com www.sindhuhospitals.com

Sindhu HOSPITALS

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Lab ID	: 34180	Sample Id	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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Sindhu HOSPITALS

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 NAKKAPALLI
Lab ID	: 34180	Sample Id	046331125

Test Description	Result	Reference Range	Unit(s)

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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Test Description	Result	Reference Range	Unit(s)

P.Suresh (M.Sc)
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Lab ID	: 34180	Sample Id	046331125

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, Bromcresol 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)

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Sindhu HOSPITALS

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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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Sindhu HOSPITALS

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Age/Gender	: 22 years / Male	Reported Time	: 10/11/2025, 11:20 AM
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)
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	-		

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

END OF REPORT

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Lab ID	: 34180	Sample Id	046331125

Test Description	Result	Reference Range	Unit(s)

P.Suresh (M.Sc)
Microbiologist

Dr.P.Revathi MD
Pathologist

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Sindhu HOSPITALS

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

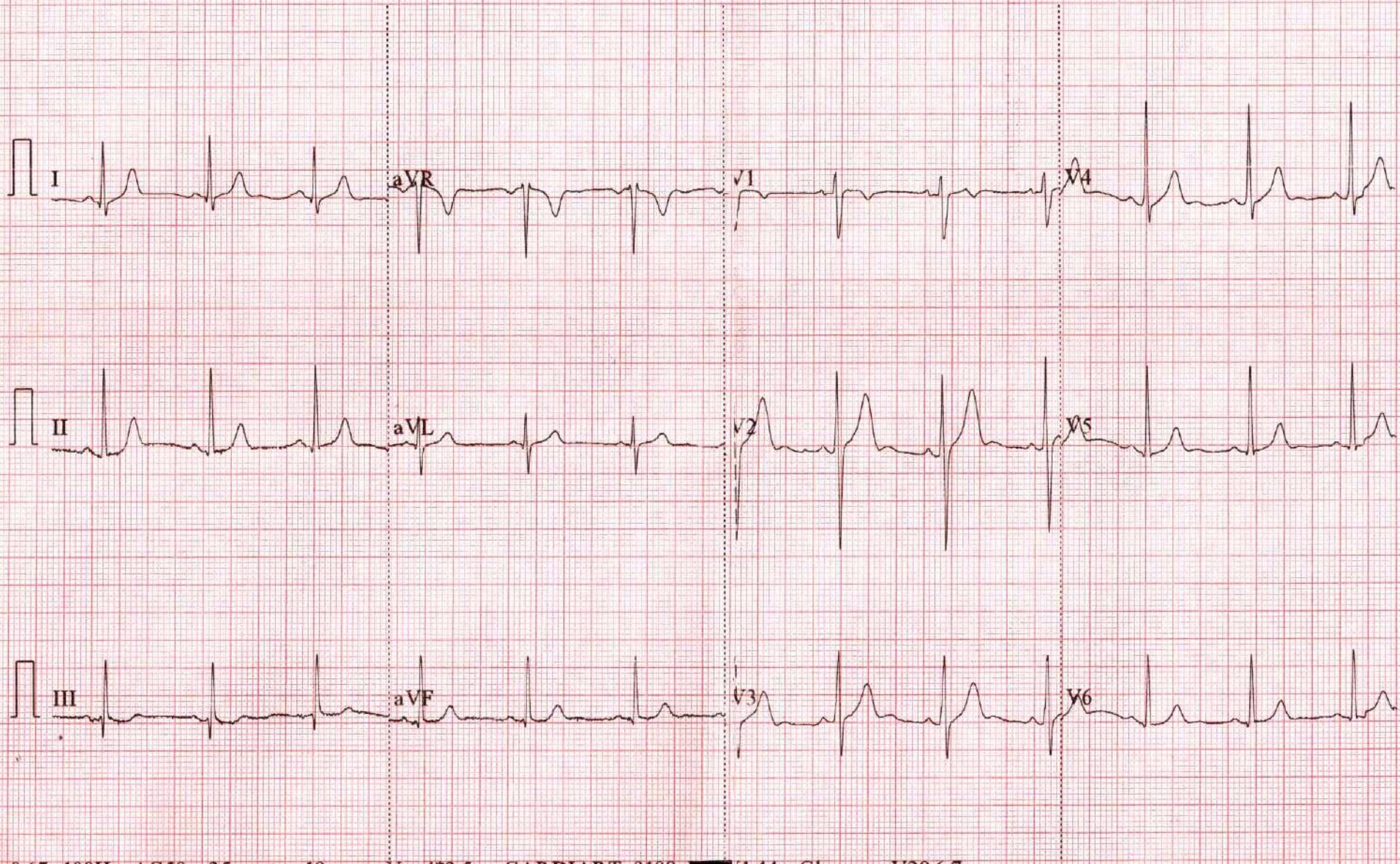
ID: 0 BPL-12 07-11-2025 15:20:52

m satyapraveen
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/SV1	: 1.514/0.742	mV

Diagnosis Information:
Sinus rhythm
Normal ECG

Report Confirmed by:



0.67~100Hz AC50 25mm/s 10mm/mV 4*2.5s CARDIART 9108 [redacted] /1.44 Glasgow V28.6.7

CARDIART

Sindhu HOSPITALS

EMPLOYEE NAME:	M Satya Praveen	**Age :**	22
CASE NO:	46331125	**Gender :**	MALE
EMP CODE:	237075	**Date:**	07-11-2025

RESTING E.C.G REPORT
ELECTRO CARDIOGRAPHIC OBSERVATIONS

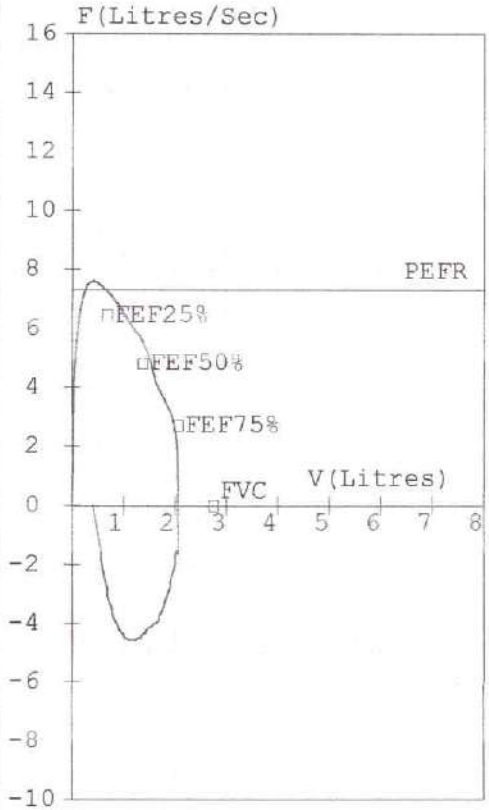
HR	:	77
RHYTHM	:	Normal sinus
P WAVE	:	Normal
Q WAVE	:	Nil
PR	:	120 ms
QRS	:	80 ms
ST WAVE	:	No significant changes
AXIS	:	Normal
IMPRESSION	:	Within Normal limits

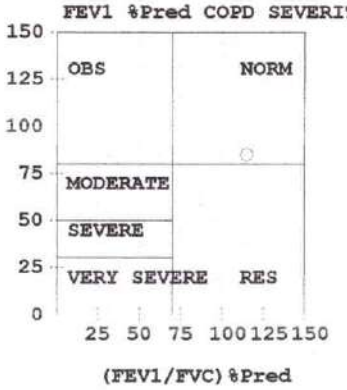
Sai Kiran

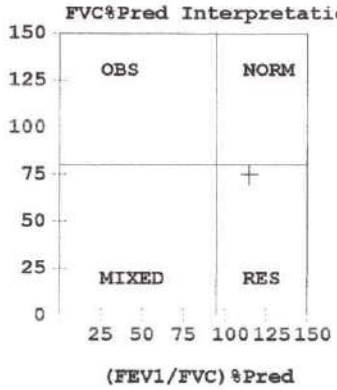
CONSULTANT CARDIOLOGIST
DR SAI KIRAN
Consultant Cardiologist
Reg no 7717

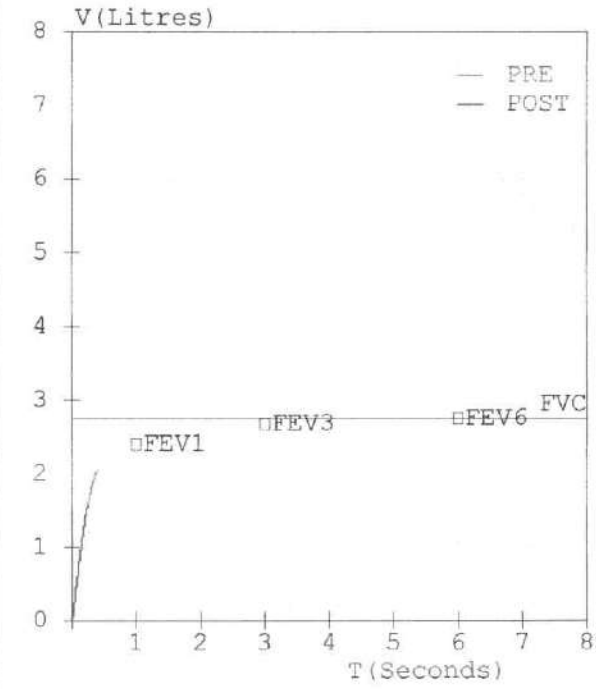
Sindhu HOSPITALS

Patient: M SATYA PRAVEEN	Age : 22 Yrs	Gender : Male	
Refd.By:	Height : 165 Cms	Smoker : No	
Pred.Eqns: RECORDERS	Weight : 60 Kgs	Eth. Corr: 80	
Date : 07-11-2025 04:20 PM	ID : 237075	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

Sai Sindhu Foundation, Sy.No-41/14/2, Khanamet (V), Serilingampally (M), Ranga Reddy District, Telangana 500084, Ph: +91 40 4545 4545

info@sindhuhospitals.com

www.sindhuhospitals.com

Sindhu HOSPITALS

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

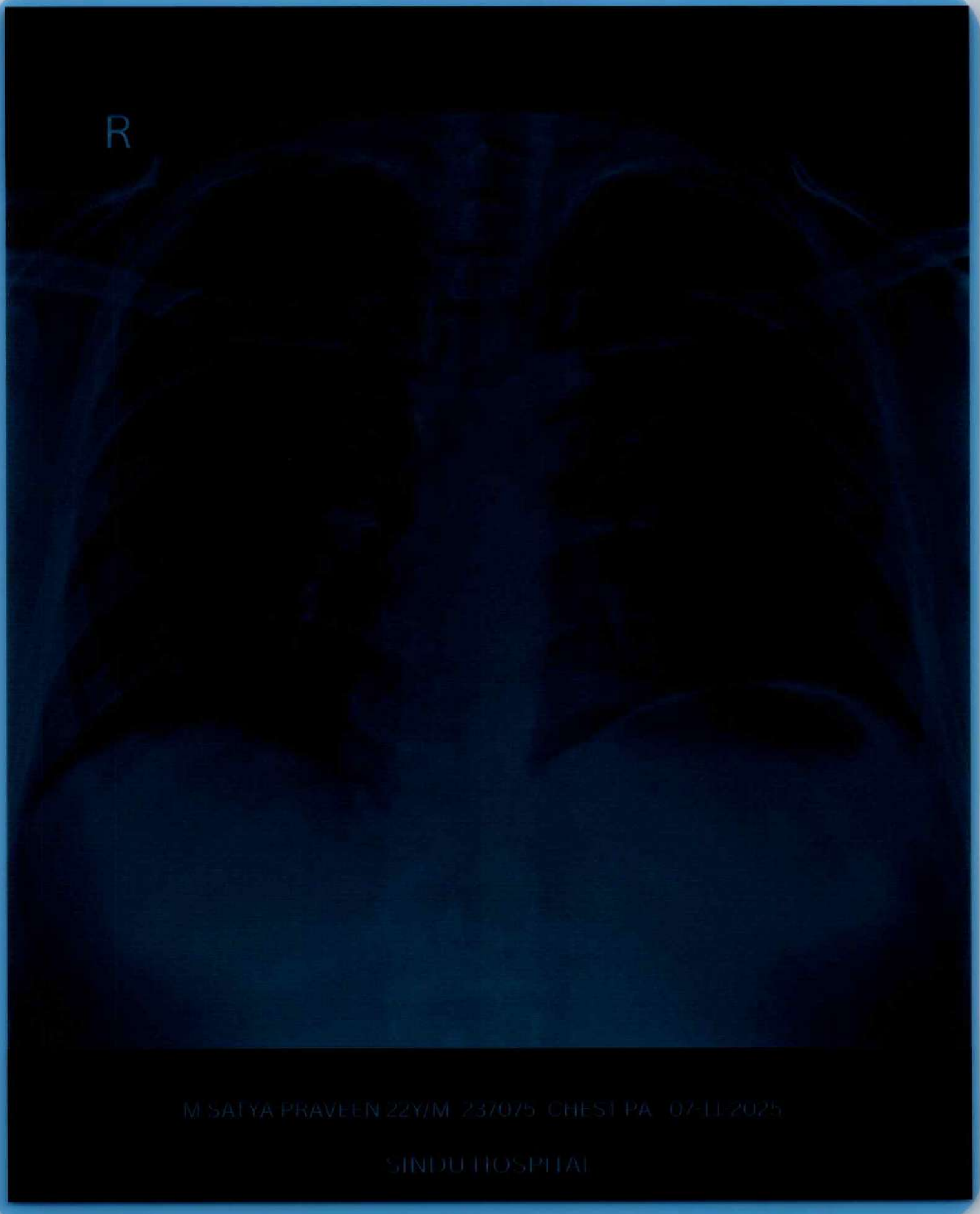
-- Both C.P angles clear.

-- Bony caze 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 23/075 CHEST PA 07-11-2025
SINDU HOSPITAL

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

<table>
<tr><th>S.NO</th><th>CONDITION</th><th>COMPLIANCE</th></tr>
<tr><td>1</td><td>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.</td><td>Complied.</td></tr>
<tr><td>2</td><td>Proper mitigation measures should be taken during construction and operational phases to protect the marine ecology from anthropogenic shocks.</td><td>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.</td></tr>
<tr><td>3</td><td>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.</td><td>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.</td></tr>
<tr><td>4</td><td>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.</td><td>Complying.

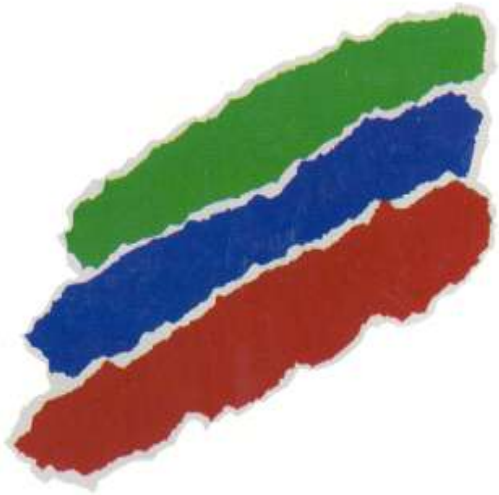
The industry is regularly monitoring the marine quality including temperature and salinity at the outfall is being carried through NIO at regular intervals. Till now, the industry has carried marine studies as mentioned below and all reports are in place.
<table>
<tr><th>Year</th><th>Agency</th></tr>
<tr><td>2007</td><td rowspan="6">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></tr>
<tr><td>2020</td><td>NIO through APPCB</td></tr>
<tr><td>2022</td><td>Indomer Coastal Hydraulics</td></tr>
<tr><td>2023</td><td>NIO</td></tr>
</table></td></tr>
</table>

DISTRIBUTION RESTRICTED **NIO/SP/2022 SSP3482)**

Monthly monitoring of Eco-toxicity of treated effluent

Sponsored by

Hetero Infrastructure SEZ Limited
Visakhapatnam



July 2023

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

DISTRIBUTION RESTRICTED

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

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 (LC_{50} and LC_{10}, 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 (BOD_3), 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 Grassoff 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 (Titrando 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 ±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 20ºC in the BOD incubator. Dissolved oxygen in these samples was determined after fixing the samples after three days of incubation. BOD_3 was computed from the initial DO concentrations and expressed in mg/l.

d) Ammonium - Nitrogen (NH_4^+ -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 µmol/l and the precision of analysis, in terms of standard deviation, is ±0.02 µmol/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 µmol/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 µmol/l. The precision of analysis for both nitrite and nitrate, in terms of standard deviation, is ±0.02 µmol/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 µmol/l. The precision of analysis, in terms of standard deviation, is ±0.01 µmol/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 µmol/l. The precision of analysis, expressed as standard deviation, is ±0.02 µmol/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 um 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 r2 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 ^{o}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, BOD_3, 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. BOD_3 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 $0.6x10^5$ CFU/ml, which is within the range of the TVC found in the coastal waters off the north Andhra coast (0.003 - 1.94 $x10^5$ 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	$0.6x10^5$
ECLO	$0.5x10^3$
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 *Vibrio parahaemolyticus* 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.

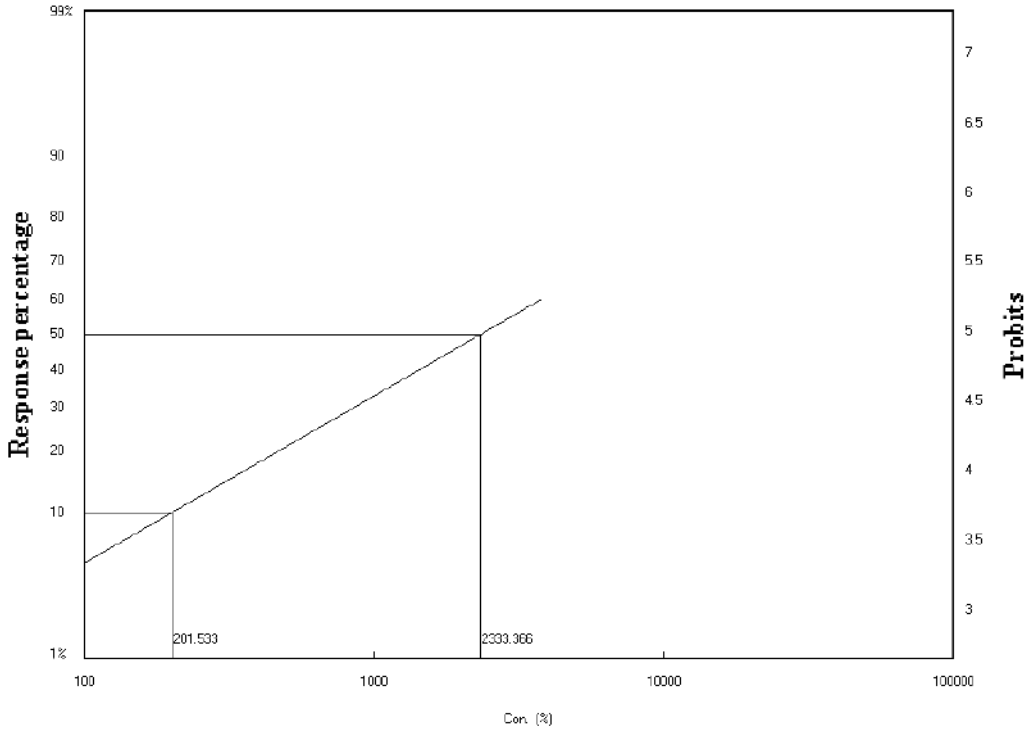
Test concentrations (% v/v)	***Cumulative Mortality (%) of zebrafish***			
	Exposure periods (hr)			
	24	48	72	96
Control (0%)	0	0	0	0
10%	0	0	0	0
20%	0	0	0	0
30%	0	0	0	0
50%	0	0	0	0
60%	0	0	3	3
90%	0	3	3	6
100%	0	3	6	6

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

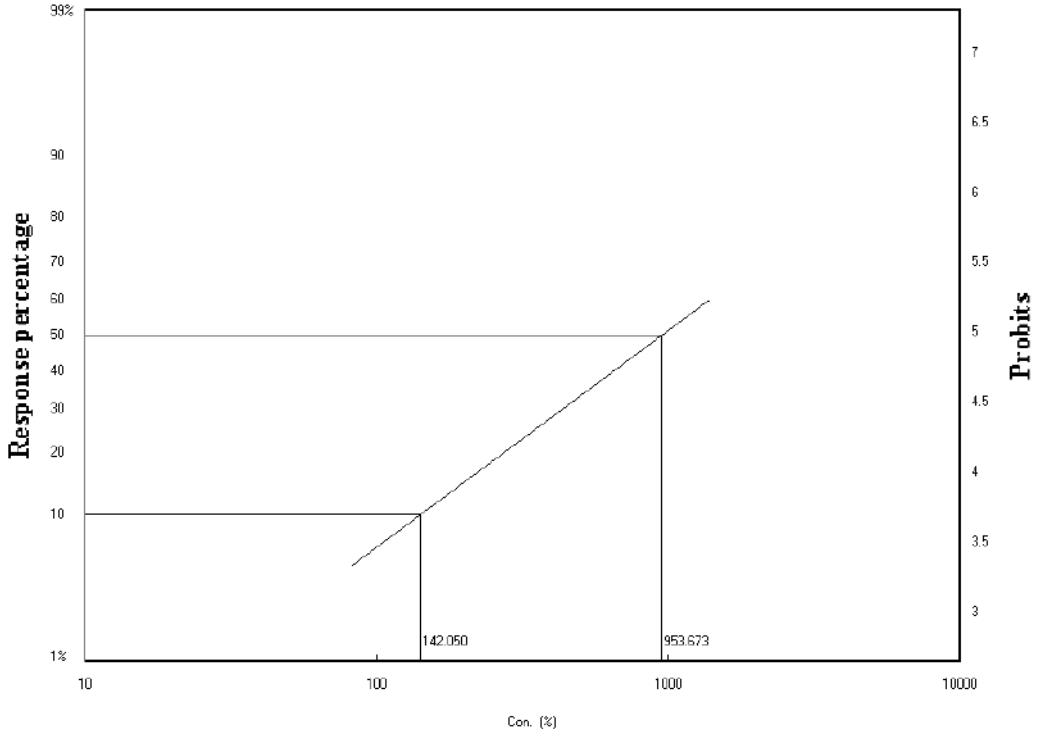
Table 2.5: Median Lethal concentrations (LC_{50} and LC_{10}) of effluent at exposure periods of 24h, 48h, 72h and 96 hours.

Exposure time (h)	LC_{50} (%)	LC_{10} (%)
24	-	-
48	-	-
72	2333	201

96	954	142



72 h



96 h

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

Recognized by GOI - MoEFCC, Accredited by NABL & NABET

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 30th	**Complying.**

	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 30th 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.**

<table>
<tr><td>12</td><td>The industry may explore the possibility of tapping the solar energy for their energy requirements.</td><td>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.</td></tr>
<tr><td>13</td><td>The industry should educate the workers and nearby public of possible accidents and remedial measures.</td><td>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.</td></tr>
<tr><td colspan="3">SCHEDULE-B</td></tr>
<tr><td>1</td><td>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.</td><td>Complied.</td></tr>
<tr><td>2</td><td>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.</td><td>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.</td></tr>
<tr><td>3</td><td>The industry shall comply with the outcome of the Hon'ble NGT directions in OA No. 23 of 2022 as applicable in future.</td><td>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.</td></tr>
<tr><td>4</td><td>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</td><td>Complying.
The industry is submitting the disposal details of by-products on monthly basis to RO, APPCB, Visakhapatnam,</td></tr>
<tr><td colspan="3">WATER POLLUTION</td></tr>
<tr><td>4</td><td>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:
<table>
<tr><th>Outlet</th><th>Parameter</th><th>Concentration in mg/l</th></tr>
<tr><td rowspan="9">2</td><td>pH</td><td>6.50 – 8.50</td></tr>
<tr><td>Temperature ^{o}C</td><td>$<45^{0}C$</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>
</table></td><td>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.</td></tr>
</table>

	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
	(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)	
5	The source of water supply is Sea Water — Desalination Plant. The following is the permitted water consumption: **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** 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.	**Complying.** ➢ 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. Copy of water consumption data for last six months (June 2025 to November 2025) is enclosed as **Annexure- V.**
6	The effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below: **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	**Complied.** The treated domestic wastewater (outlet of STP) is meeting the standards prescribed by the Board.
7	The industry shall maintain Electro Magnetic flow meters with totalizers for water consumption, effluent generation mentioned in the Order	**Complying.** 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.
8	The LTDS and HTDS effluents shall be stored in above ground collection tanks separately.	**Complying.** 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.

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.

<table>
<tr><td colspan="3">AIR POLLUTION</td></tr>
<tr><td>16</td><td>The emissions shall not contain constituents in excess of the prescribed limits mentioned below:
<table>
<tr><th>Chimney No.</th><th>Parameter</th><th>Emission Standards (mg/Nm3)</th></tr>
<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="10">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>
</table></td><td>Complying.

All the emissions are well within the norms stipulated by the board.</td></tr>
<tr><td>17</td><td>The industry shall comply with ambient air quality standards of PM_{10} (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; NOx - 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).</td><td>Complying.
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.

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.</td></tr>
<tr><td>18</td><td>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.</td><td>Complying.
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.
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.
Copy of latest analysis reports are enclosed as Annexure-I.</td></tr>
<tr><td>19</td><td>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</td><td>Complying with

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.</td></tr>
</table>

	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.

<table>
<tr><td></td><td>Nitrogen blanketing system to prevent solvent vapours.</td><td></td></tr>
<tr><td>25</td><td>The industry shall not use odour causing substances such as Mercaptan or cause odour nuisance in the surroundings</td><td>Not Applicable.
The industry is not using any Mercaptan within the industry.</td></tr>
<tr><td>26</td><td>The industry shall operate and maintain VOC monitoring system with auto recording facility at production blocks and solvent storage tank areas.</td><td>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:
  </td></tr>
<tr><td colspan="2">GENERAL:</td><td></td></tr>
<tr><td>27</td><td>The industry shall not manufacture new products and not exceed the consented capacity without CTE and CTO of the Board.</td><td>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.</td></tr>
<tr><td>28</td><td>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.</td><td>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.</td></tr>
<tr><td>29</td><td>The industry shall maintain good housekeeping both within the premises.</td><td>Complying.</td></tr>
<tr><td>30</td><td>The industry shall not dispose any solid waste outside the industry premises and shall dispose the solid waste generated as following:
<table>
<tr><th>S. No</th><th>Name of the solid waste</th><th>Quantity</th><th>Disposal option</th></tr>
<tr><td>1</td><td>E-waste</td><td>50 Kg/day</td><td rowspan="2">Shall be sent to authorised collection centres / recyclers/dismantler /disposal facility as per E-Waste (Management) Rules, 2022.</td></tr>
<tr><td>2</td><td>Electrical Waste</td><td>50 Kg/day</td></tr>
</table></td><td>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.</td></tr>
<tr><td>31</td><td>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)</td><td>Complying.</td></tr>
</table>

	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, GoI shall be implemented. 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: 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.

	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 (commercialocta-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**.

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 30th 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.**

	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)

	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**

	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.	**Complying.** The industry is maintaining records of hazardous waste in Form-III and submitting hazardous waste returns in Form-IV before 30th 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 30th tor the period ensuring 31st 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.**

CAAQMS LOCATIONS

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

HETERO INFRATSRUCTURE SEZ LTD

Photographs of the Rain water Collection Pond

HETERO INFRATSRUCTURE 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 NH3, Bromine, TC, POCL3, 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_2SO_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
- 10^{th} class students Merit awards to nakkapalli mondal government school students (school $1st/2^{nd}/3^{rd}$)
- Laying of painting to schools
- Construction of toilets
- Construction of compound walls to the schools
- Merit awards to 10^{th} 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.Warining 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:

వార్త

లోకేష్‌ను కలిసిన చైర్మన్ గండి బాబ్జి

ఆ.. గ్రామస్థుల్లో ఆనందం..

హెటిరో యాజమాన్యానికి అభినందనలు

మరంగా వాటర్ ప్లాంట్ ప్రారంభం

శ్రీరెడ్డి మీద ఫిర్యాదు చేసిన దక్షిణ నియోజకవర్గం తెలుగు మహిళలు

రాజకీయ తంత్రమూ?

శ్రీ ప్రకాష్ విద్యార్థుల ప్రాజెక్ట్

సూపర్ సిక్స్‌తో ప్రజలను మోసం చేస్తున్న కూటమి ప్రభుత్వం

ABN ఆంధ్రజ్యోతి

చినతీనార్లలో వాటర్ ప్లాంట్ ప్రారంభం

వాటర్‌ప్లాంట్‌ను ప్రారంభించిన దృశ్యం

నక్కపల్లి, నవంబరు 14 (ఆంధ్రజ్యోతి): మండలంలోని చినతీనార్లలో హెటిరో యాజమాన్యం నిర్మించిన వాటర్ ప్లాంట్‌ను గురువారం ప్రారంభించారు. గ్రామంలో తాగు నీటి ఎద్దడిని నివారించాలని గ్రామస్థులు కోరడంతో సీఎస్ఆర్ నిధులతో వాటర్‌ప్లాంట్‌ను నిర్మించారు. ఈ మేరకు హెటిరో ప్రతినిధులు ఎస్.కుల్లారెడ్డి, ఎం.సుబ్బారెడ్డి, రాజా రెడ్డి, శ్రీనివాస్, సర్పంచ్ ఎం.ముసలయ్య, గ్రామ పెద్దలు నీటిని మహిళలకు అందజేశారు.

4:Piped water supply

RO water for MRO office at Nakkapalli:-

ఆదివారం 24 ఆగస్టు 2025

ఆర్వో ప్లాంట్ ను ప్రారంభిస్తున్న తహసీల్దార్

హెటిరో ఆధ్వర్యంలో ఆర్‌ఓ ప్లాంట్ ఏర్పాటు

ప్రజాశక్తి-నక్కపల్లి: నక్కపల్లి తహసీల్దార్ కార్యాలయంలో హెటిరో డ్రగ్స్ కంపెనీ సౌజన్యంతో 20 ఎల్ పి హెచ్ ఆర్‌ఓ ప్లాంట్ ఏర్పాటు చేశారు. శుక్రవారం తహసీల్దార్ నరసింహమూర్తి చేతుల మీదుగా ఆర్‌ఓ ప్లాంటును ప్రారంభించారు. తహసీల్దార్ కార్యాలయానికి వివిధ పనులపై వచ్చిన వారికి దాహార్తిని తీర్చేందుకు ఆర్వో ప్లాంట్ ఎంతగానో ఉపయోగపడుతుందని తహసీల్దారు నరసింహమూర్తి అన్నారు. కంపెనీ ప్రతినిధి సిహెచ్ శ్రీనివాసరావు మాట్లాడుతూ కంపెనీ చైర్మన్ బండి పార్థసారథి రెడ్డి సూచనలు మేరకు 50 వేల రూపాయలతో ఆర్‌ఓ ప్లాంటును కార్యాలయంలో ఏర్పాటు చేయడం జరిగిందన్నారు. ఈ కార్యక్రమంలో డిటి నారాయణరావు, ఆర్ ఐ రవికుమార్, కంపెనీ ప్రతినిధి పి.ప్రసాద్ పాల్గొన్నారు.

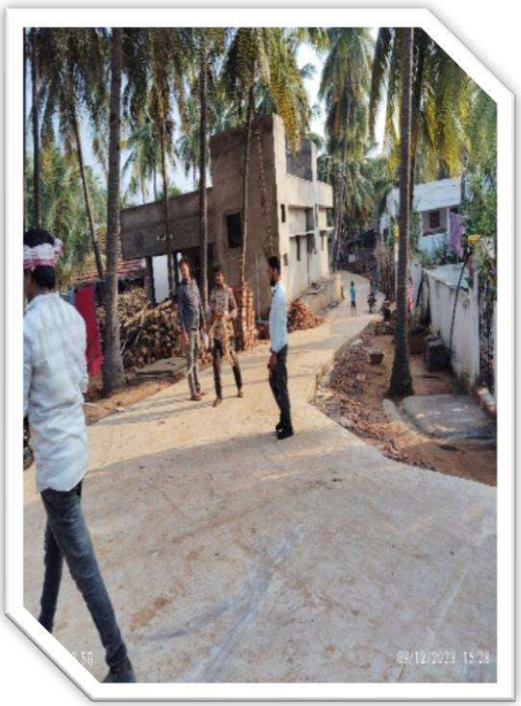
విశాలాంధ్ర

OFF ON HD

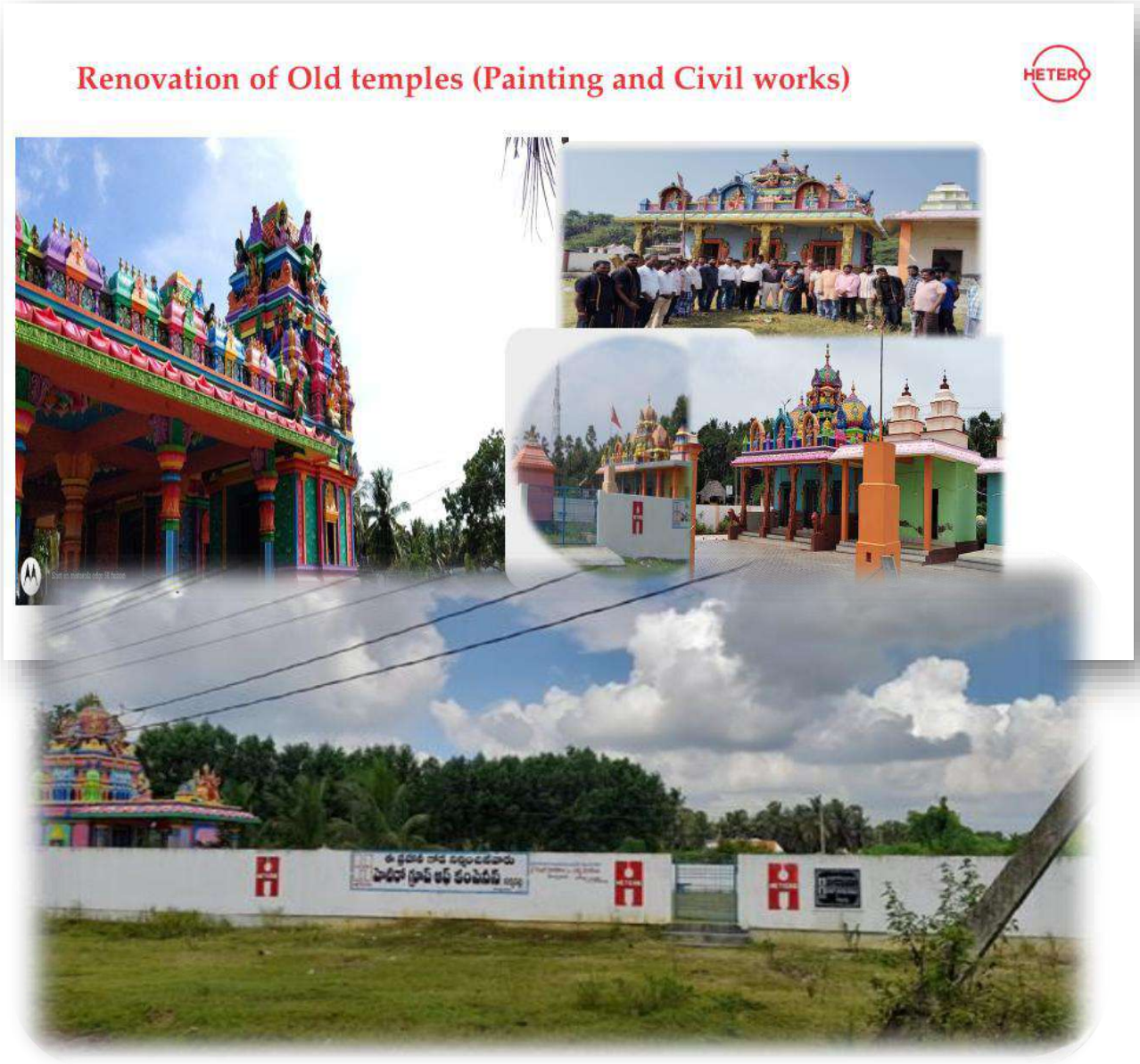
హెటిరో ఆధ్వర్యంలో ఆర్వో ప్లాంట్

విశాలాంధ్ర నక్కపల్లి మండలంలో శుక్రవారం స్థానిక తాసిల్దార్ కార్యాలయం వద్ద హెటిరో పరిశ్రమల చైర్మన్ బండి పార్థసారథి రెడ్డి అదే శాల మేరకు 50వేల రూపాయలు విలువ చేసే 20 ఎల్‌పిహెచ్ ఆరోప్లాంటును ఏర్పాటు చేశారు. ఈ ఆర్వో ప్లాంట్‌ను తాసిల్దార్ ఆర్ నర సింహమూర్తి ప్రారంభించారు. ఈ సందర్భంగా తాసిల్దార్ మాట్లాడుతూ తాసిల్దార్ కార్యాలయానికి వచ్చే వారికి సురక్షిత నీటిని అందించడం జరుగుతుందని ఆర్వో ప్లాంటును వితరణ చేసినందుకు హెటిరో ప్రతినిధులను అభినందించారు. ఈ కార్యక్రమంలో డిప్యూటీ తాసిల్దార్ వి నారాయణరావు ఆర్ వి 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.




HETERO

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

Vempadu Zphs:-

Nakkapalli ZPH school:-

Nakkapalli Market Yard:-

Construction of fishing tackle at Rajayyapeta village.

శంకుస్థాపన చేస్తున్న మత్స్యకార ప్రజాప్రతినిధులు

భవన నిర్మాణానికి శంకుస్థాపన

ప్రజాశక్తి - నక్కపల్లి: మండలంలో మత్స్యకార గ్రామమైన రాజయ్యపేటలో హెటిరో కంపెనీ యాజమాన్యం ఆర్థిక సహాయంతో ఏర్పాటు చేయనున్న భవన నిర్మాణానికి శుక్రవారం గ్రామ పెద్దలు భూమి పూజ చేసారు. మత్స్యకారుల వేట సామాగ్రి భద్రపరుచుకునేందుకుగాను భవన నిర్మాణం చేపట్టాలని కంపెనీ యాజమాన్యాన్ని మత్స్యకారులు 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 పిక్కి అప్పలనరస, జడ్పిటిసి సభ్యురాలు గోసల కాసులమ్మ, ఎంపీటీసీ సభ్యులు పిక్కి సత్తియ్య, కంపెనీ సిఎస్ ఆర్ ప్రతినిధి శ్రీనివాస్, మత్స్యకార నాయకులు, మత్స్యకారులు పాల్గొన్నారు.

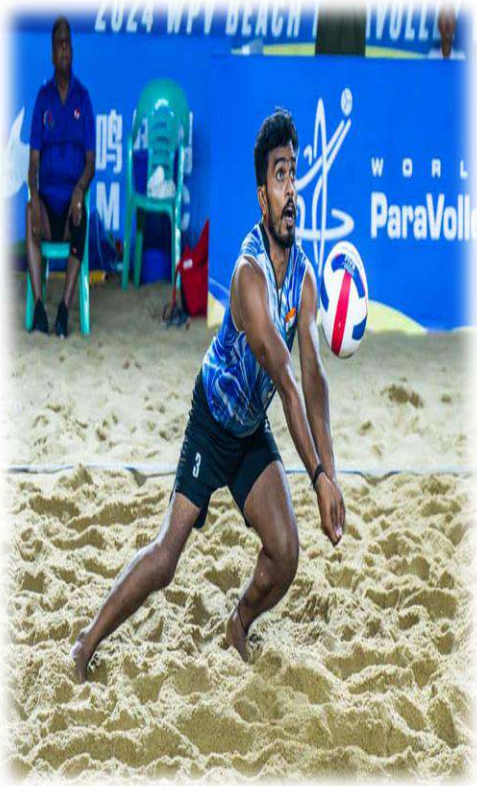
ABN ఆంధ్రజ్యోతి

వేట సామగ్రి భద్రపరచుకునేందుకు భవన నిర్మాణం

నక్కపల్లి, జనవరి 2 (ఆంధ్రజ్యోతి): మండలంలోని రాజయ్యపేట తీరం వద్ద చేపల వేట సాగించే మత్స్యకారుల వలలు, సామగ్రి భద్రపర్చుకోవడానికి అవసరమైన భవన నిర్మాణ పనులకు శుక్రవారం శంకుస్థాపన చేశారు. ఇందుకోసం హెటిరో ఔషధ పరిశ్రమ సీఎస్ఆర్ నిధులను రూ.30 లక్షలు కేటాయించినట్లు సంస్థ ప్రతినిధులు వెల్లడించారు.

Construction of model police station at nakkapalli

<u>Sports and games:-</u> Support to sports




WORLD
ParaVolley
BEACH PARAVOLLEY
MEN'S WORLD CHAMPIONSHIP
2ND PLACE
INDIA

Hygiene (TOT) programmer in girls schools


పబ్లిక్ వ్యూ

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పిల్లల ఆరోగ్యాలు కాపాడుకుంటే.. భవిష్యత్తులో అనారోగ్యాలకు గురికారు: హెట్టిరో ప్రతినిధులు

ఉత్తమ బోధనకు ఎప్పుడు సహకారం ఉంటుంది...

నక్కపల్లి,డిసెంబర్ 5, ప్రభాతవార్త:

గ్రామీణ ప్రాంతంలో ఉన్న పాఠశాలల్లో ఉత్తమ విద్యా బోధన కోసం అందులో టెక్నికల్ రంగంలో ఉపయోగపడేటట్లు విద్యార్థులకు ప్రోత్సాహం అందించడమే ప్రధాన లక్ష్యంగా ఈ ప్రాంతంలో హెటిరో గ్రూప్స్ పనిచేస్తుందని, అందుకు ప్రోత్సాహం చైర్మన్, రాజ్యసభ సభ్యులు .డాక్టర్ బండి పార్థసారథి రెడ్డి అందిస్తున్నారని సంస్థ జిఎంలు ఎస్. కుల్లయ్య రెడ్డి, ఎన్. రాజారెడ్డి, ఎన్. వీర వెంకట సత్యనారాయణ రెడ్డిలు సంయుక్తంగా అన్నారు. గురువారం సాయంత్రం మండలంలోని రాజయ్యపేట శివారు బోయపాడు ఎలిమెంటరీ పాఠశాలతో పాటు వేంపాడు ఉన్నత పాఠశాలకు కంప్యూటర్లను అందజేశారు. ఈ సందర్భంగా వారు మాట్లాడుతూ మండలంలోని విద్యా రంగం అభివృద్ధికి పేద విద్యార్థుల ఉన్నత చదువులు కోసం సంస్థ చైర్మన్ డాక్టర్ బండి పార్థసారథి రెడ్డి ఎప్పుడు ముందుంటున్నారని, ఆ విధంగా అనేకమైన కార్యక్రమాలను చేపడుతూ వస్తున్నామని చెప్పారు. సి ఎస్ ఆర్ సేవా కార్యక్రమాల్లో భాగంగా మండల లోని ఇప్పటికే పలు ప్రభుత్వ రంగ సంస్థలకు కంప్యూటర్లను అందజేయడం జరిగిందని, అందులో పోలీస్ స్టేషన్, మండల పరిషత్ కార్యాలయం, తాసిల్దార్ కార్యాలయం లతోపాటు పలు సంస్థలకు అందజేశామని, దీనికి ప్రధాన కారణం మండలంలోని అన్ని రంగాలు అభివృద్ధి పథంలో నడాలని ఉద్దేశంతోనే పనిచేస్తూ వస్తున్నామని అన్నారు విద్య వైద్య రంగాలకు పెద్దపీట వేశామని చెప్పారు. భవిష్యత్తులో మరిన్ని కార్యక్రమాలు సంస్థ చేపట్టనున్నదని తెలిపారు. ఈ కార్యక్రమంలో సిఎస్ఆర్ టీం ప్రతినిధి శ్రీనివాస్ తో పాటు స్థానికులు ఎస్. అప్పలరాజు తదితరులు ఉన్నారు.

10:Warining boards fixing at beach area.

11:Cleaning programme at government hospital and school

2.Nakkapalli Hospital


HETERO
GIVING BACK
GREAT
Employees Volunteering

–

Cement Benches at village and Nkp hospitals

Construction of drainages

ప్రజాశక్తి

హెటిరో సహకారంతో..

డ్రెయినేజీ నిర్మాణాలకు శంకుస్థాపన

మాట్లాడుతున్న కంపెనీ ప్రతినిధులు

ప్రజాశక్తి -సత్యవేడు:మండలంలోని సిహెచ్ లక్ష్మీపురం గ్రామంలో హెటిరో డ్రగ్స్ కంపెనీ ఆర్థిక సహాయంతో డ్రైనేజీ నిర్మాణ పనులకు గురువారం కంపెనీ ప్రతినిధులు శంకుస్థాపన చేశారు. సిహెచ్ లక్ష్మీపురం గ్రామంలో హెటిరో కంపెనీ యాజమాన్యం 15 లక్షల నిధులతో 270 మీటర్ల పొడవు గల డ్రైనేజీ నిర్మాణం కు శ్రీకారం చుట్టింది. ఈ మేరకు కంపెనీ ప్రతినిధులు యస్. కుల్లా రెడ్డి, ఎమ్.సుబ్బారెడ్డి, యస్.రాజారెడ్డి, ఎంఎస్ వీర వెంకట సత్యనారాయణ రెడ్డి చేతుల మీదుగా డ్రైనేజీ నిర్మాణ పనులకు శంకుస్థాపన చేశారు. ఈ సందర్భంగా కంపెనీ ప్రతినిధులు మాట్లాడుతూ, గ్రామ పెద్దలు, ప్రజల విజ్ఞప్తి మేరకు కంపెనీ నిధులతో డ్రైనేజీ మంజూరు చేసినట్లు తెలిపారు. హెటిరో గ్రూప్ ఆఫ్ కంపెనీ చైర్మన్ బండి పార్థసారధి రెడ్డి ఆదేశాల మేరకు ఇప్పటికే పలు గ్రామాల్లో అభివృద్ధి పనులు, సేవా కార్యక్రమాలు చేపట్టామని వెల్లడించారు. ఈ కార్యక్రమంలో సిఎస్ఆర్టీ ప్రతినిధి సిహెచ్ శ్రీనివాస్, గ్రామ పెద్దలు కర్రి అప్పారావు, సత్యనారాయణ, బుజ్జి పాల్గొన్నారు.

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
Associate Vice President – EHS

A.P. Pollution Control Board
Regional Office, Visakhapatnam
03-10-25

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 Submitted	:	September 2024

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 rectors & 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

ANNEXURE - II

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

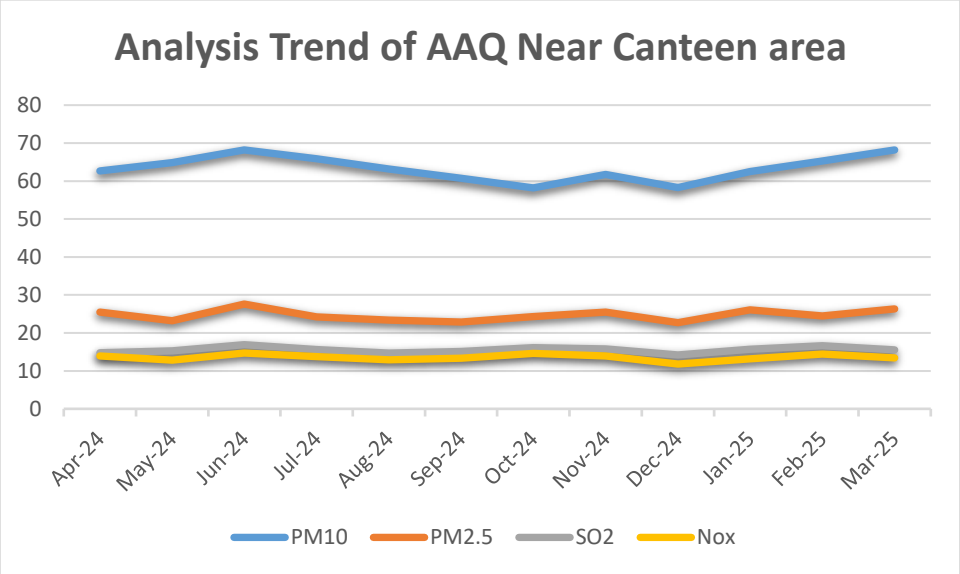
Details of Monitoring : **Ambient Air Quality**

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



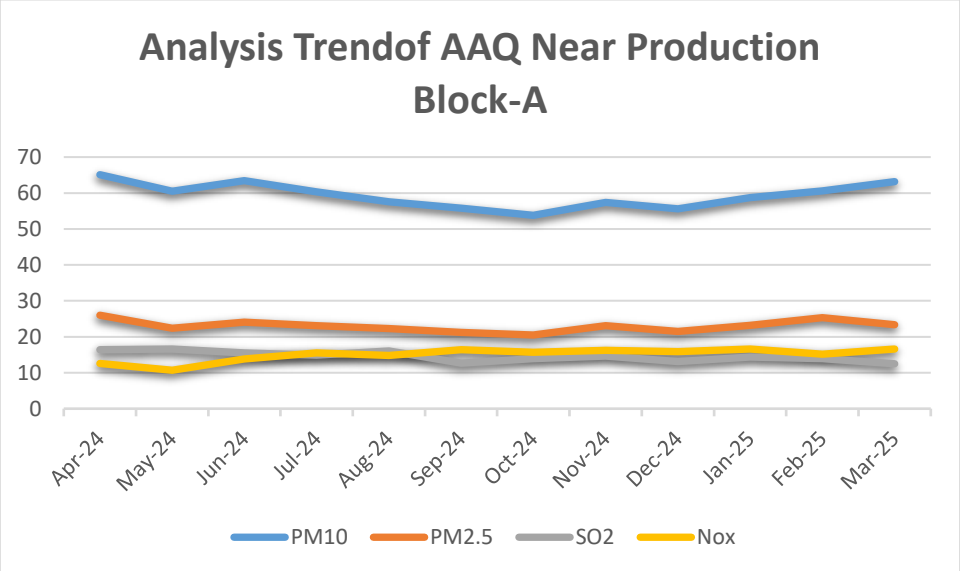
Details of Monitoring : **Ambient Air Quality**

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



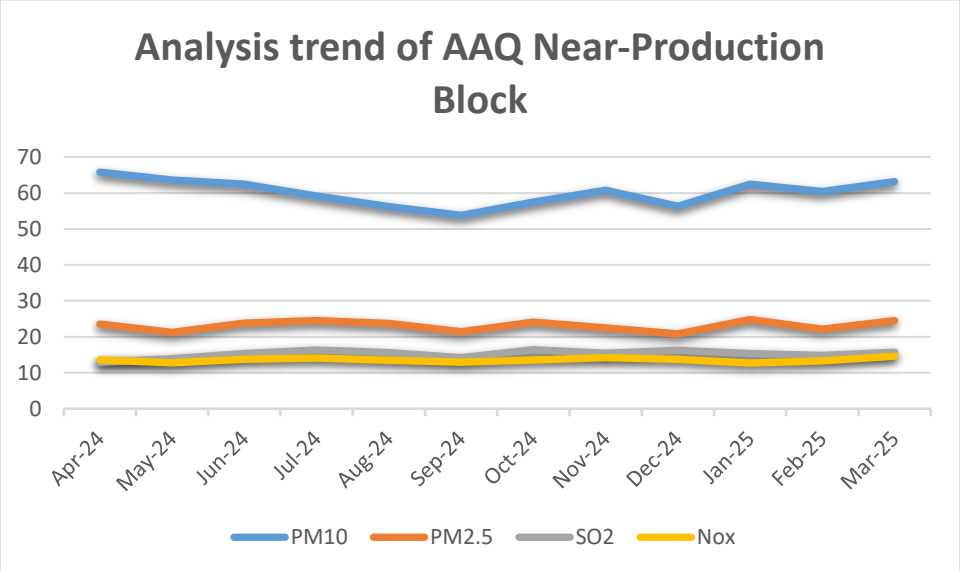
Details of Monitoring : **Ambient Air Quality**

Location : **Near production area block**

Frequency of monitoring : **Monthly**

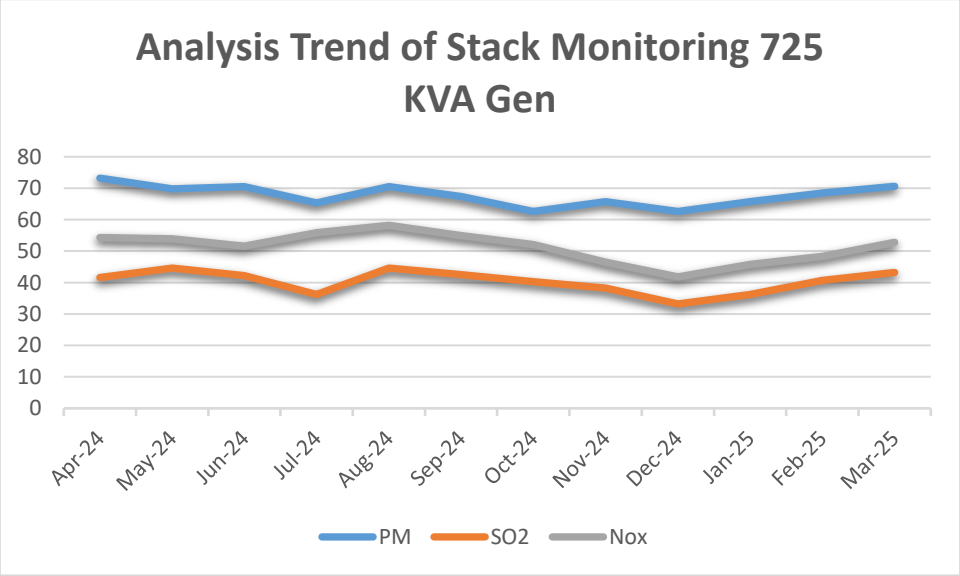
Carried by : **M/s S.V. Enviro Labs & Research Pvt Ltd, Visakhapatnam**

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



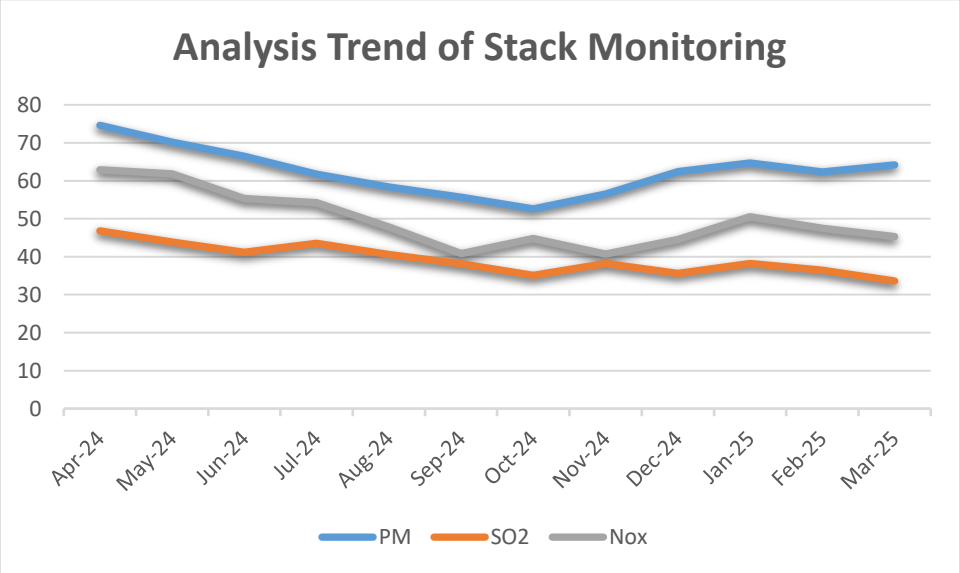
Details of Monitoring : Stack Monitoring
Source Of Collection : 725 KVA GENERATOR
Frequency of monitoring : Monthly
Carried by : M/s S.V. Enviro Labs & Research Pvt Ltd, Visakhapatnam

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



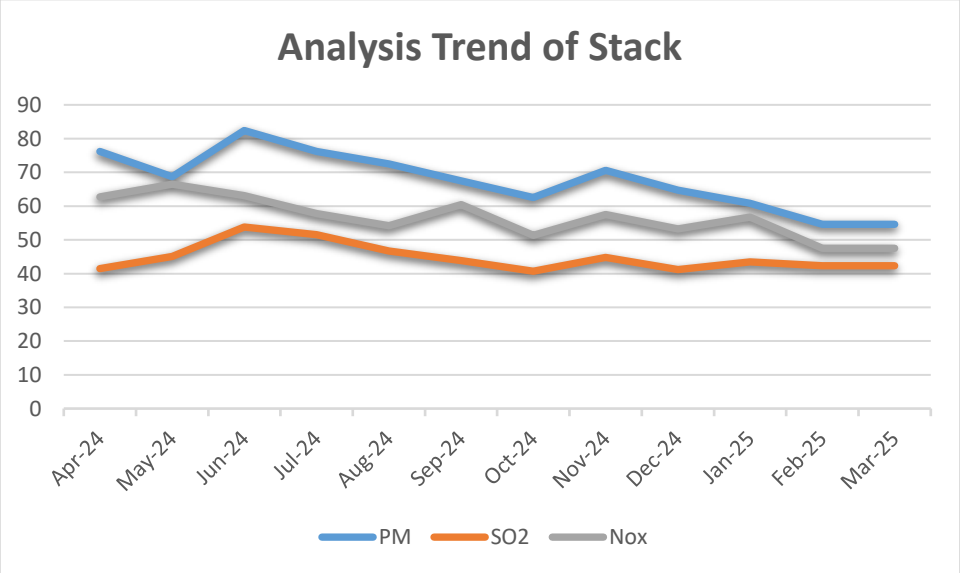
Details of Monitoring : **Stack Monitoring**
Source Of Collection : **1165 KVA DG SET -1**
Frequency of monitoring : **Monthly**
Carried by : **M/s S.V. Enviro Labs & Research Pvt Ltd, Visakhapatnam**

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



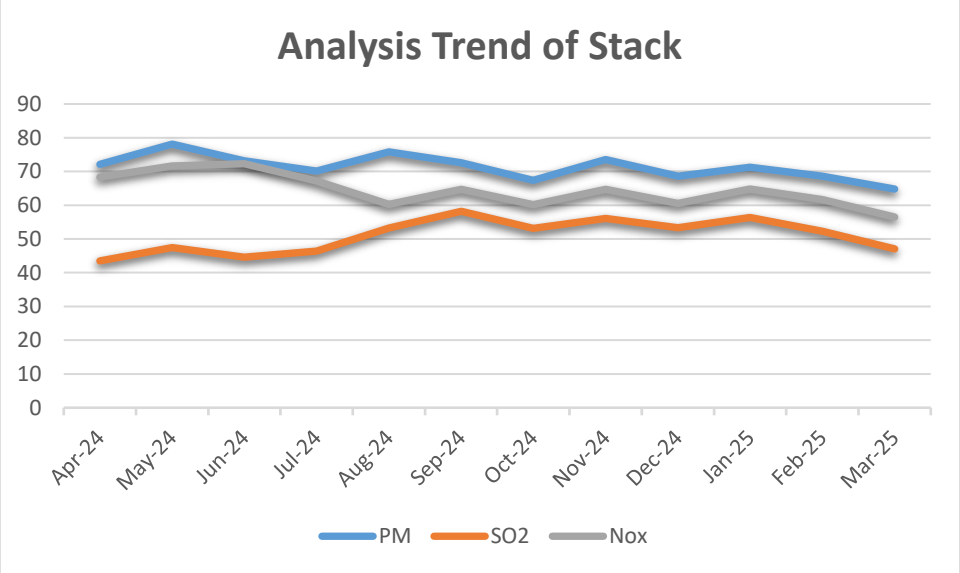
Details of Monitoring : Stack Monitoring
Source Of Collection : 1165 KVA DG SET -II
Frequency of monitoring : Monthly
Carried by : M/s S.V. Enviro Labs & Research Pvt Ltd, Visakhapatnam

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



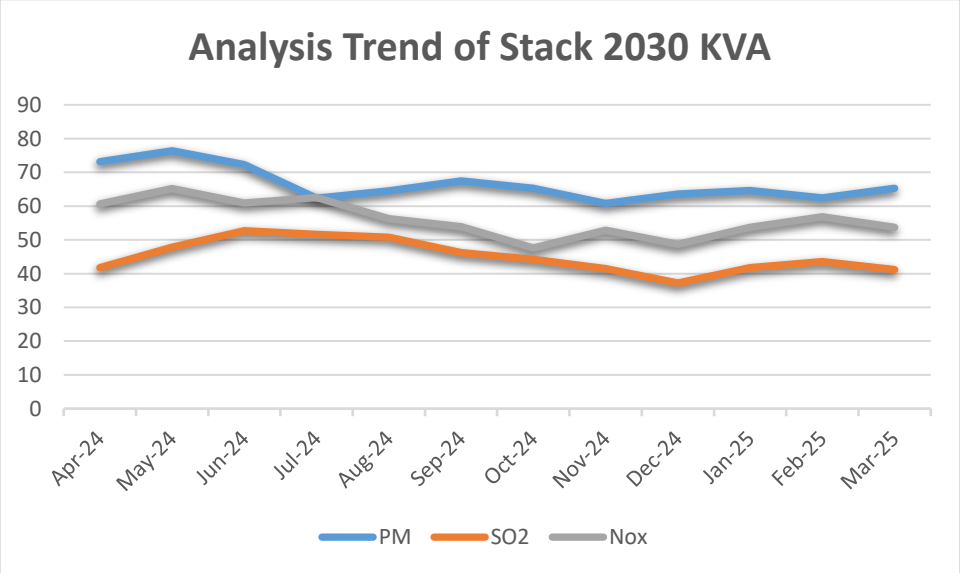
Details of Monitoring : Stack Monitoring
Source Of Collection : 2030 KVA DG SET -I
Frequency of monitoring : Monthly
Carried by : M/s S.V. Enviro Labs & Research Pvt Ltd, Visakhapatnam

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	56.1	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



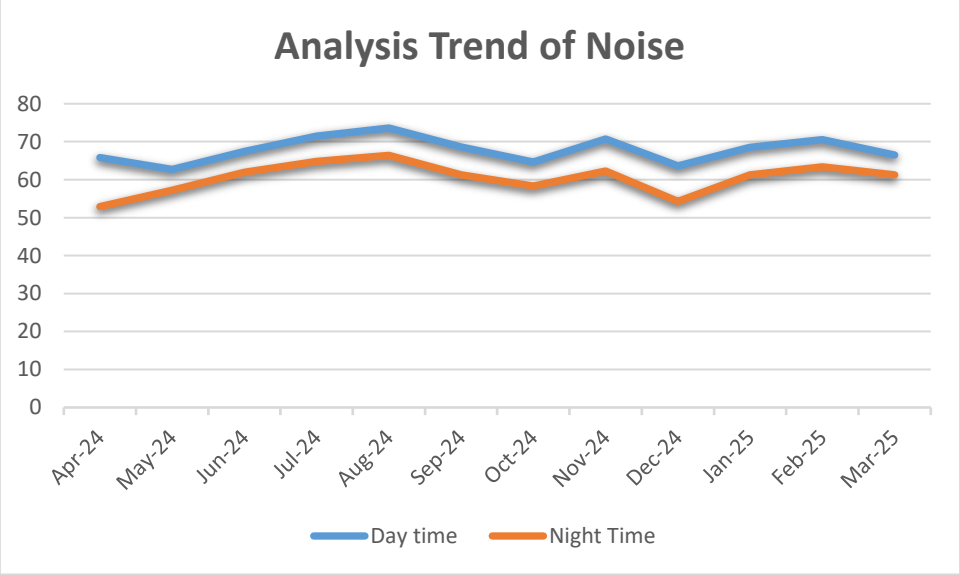
Details of Monitoring : Stack Monitoring
Source Of Collection : 2030 KVA DG SET -II
Frequency of monitoring : Monthly
Carried by : M/s S.V. Enviro Labs & Research Pvt Ltd, Visakhapatnam

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



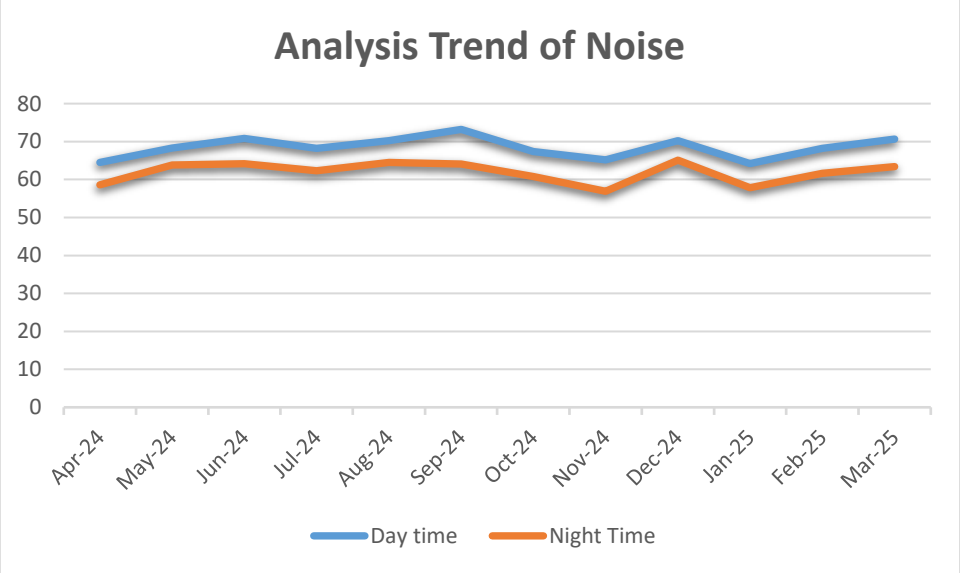
Details of Monitoring : **Noise**
Source Of Collection : **Near Canteen Area**
Frequency of monitoring : **Monthly**
Carried by : **M/s S.V. Enviro Labs & Research Pvt Ltd, Visakhapatnam**

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



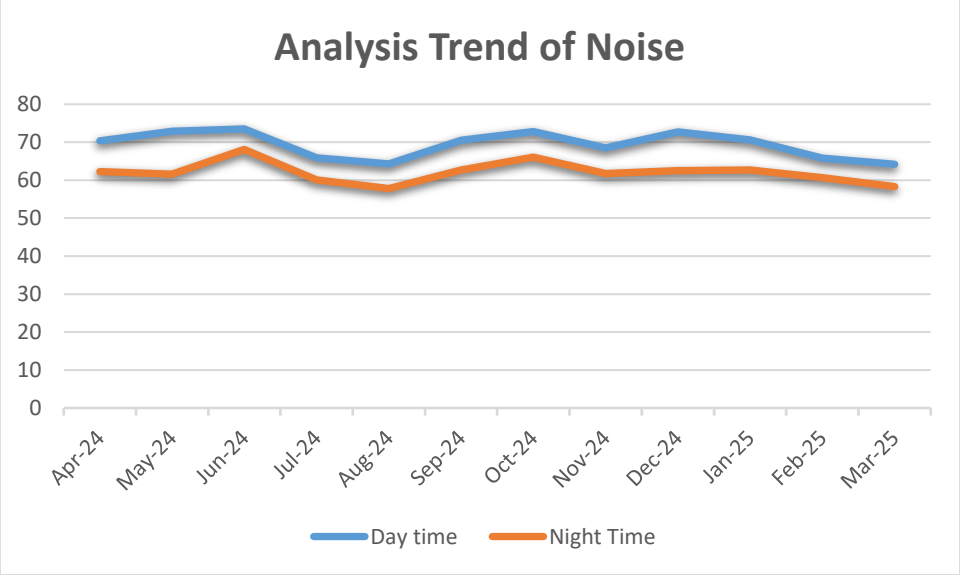
Details of Monitoring : **Noise**
Source Of Collection : **Near Prod**
Frequency of monitoring : **Monthly**
Carried by : **M/s S.V. Enviro Labs & Research Pvt Ltd, Visakhapatnam**

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

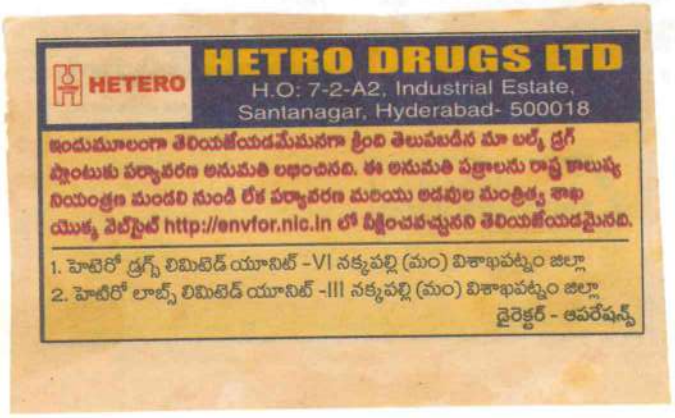
S.No	Day time	Night Time
Apr-24	70.4	62.3
May-24	72.9	61.6
Jun-24	73.5	68.1
Jul-24	65.9	60.1
Aug-24	64.3	57.8
Sep-24	70.5	62.7
Oct-24	72.8	66.1
Nov-24	68.5	61.8
Dec-24	72.7	62.5
Jan-25	70.6	62.7
Feb-25	65.8	60.7
Mar-25	64.2	58.3



ANNEXURE-XXIV

SAKSHI TELUGU NEWS PAPER.

Date: 01/11/2012



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**