



VENUS CHEMICALS AND DRUGS PVT LTD

An ISO 9001 : 2015 and ISO 14001:2015 Certified Company

Factory : Plot No. 197/2, Raichur Growth Centre, Wadloor Cross, Chicksugur, Karnataka State - 584134, INDIA
Mobile : 7013352173, E-mail : venuschemicals999@gmail.com

Date: 30.11.2022

To,
Member Secretary,
SEIAA, Karnataka
Department of Forest Ecology and Environment,
7th Floor, 4th Gate, M.S. Building,
Dr. Ambedkar Veedhi,
Bengaluru - 560 001

Sub: Submission of six monthly compliance report to EC condition.

Ref: Environmental clearance copy of File No. SEIAA 33 IND 2015 Dated 3-6-2019

Dear Sir,

With respect to the above subject, State Environmental Impact Assessment Authority, Karnataka has issued Environmental Clearance for Manufacturing of Bulk Drugs and Intermediates unit at Sy. Nos. 106 & 107, Plot No. 197/2, of Raichur Growth Centre, Wadloor Cross, Chiksugur Village, Raichur District by **M/s. Venus Chemicals and Drugs Pvt. Ltd.** In this regard we are submitting six monthly compliance report along with Annexures for the period of **April 2022 to September 2022.**

Kindly consider and acknowledge the same.

Thanking you,
Yours faithfully,

For **M/s. Venus Chemicals and Drugs Pvt. Ltd.**

(Authorized Signatory)



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Date: 30.11.2022

To,

**Additional Principal Chief Conservator of Forests (C),
Ministry of Environment and Forests and Climate Change,
Regional Office (Southern Zone),
Kendriya Sadan, 4th Floor, E & F Wings,
17th Main Road, Koramangala II Block,
Bengaluru -560 034**

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Dear Sir,

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State Level Environment Impact Assessment Authority-Karnataka

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

No. SEIAA 33 IND 2015

Date: 03-06-2019

To,

Mr. M Shankar,
Director,
M/s. Venus Chemicals and Drugs Pvt. Ltd.
Sy No. 106 & 107, Plot No. 197/2
Raichur Growth Centre,
Wadloor Cross,
Chiksugur - 584 134.

Sir,

Sub: Manufacturing of Bulk Drugs and Intermediates unit at Sy.Nos.106 & 107, Plot No.197/2 of Raichur Growth Centre, Wadloor Cross, Chiksugur Village, Raichur District, Karnataka of M/s. Venus Chemicals and Drugs Pvt. Ltd. - Issue of Environmental Clearance - Reg.

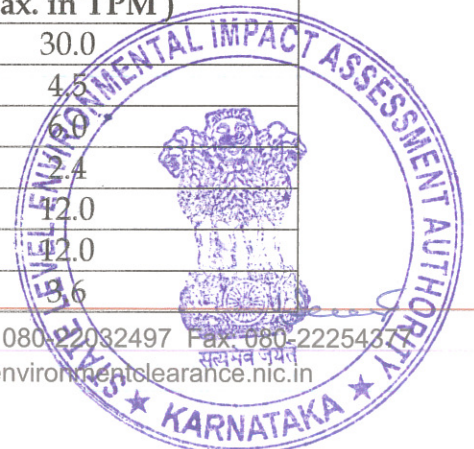
This has reference to your application dated 5th December 2015 and 22nd November 2018 bearing proposal No/SIA/KA/IND2/4874/2015 addressed to SEIAA, Karnataka and subsequent letters addressed to SEIAA/SEAC, Karnataka seeking prior environmental clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of the provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Application in Form 1, Pre feasibility Report, EIA Report for Change of products to Manufacturing of Bulk Drugs and Intermediates units and the additional clarifications furnished in response to the observations of the SEAC, Karnataka. The proposal is for manufacturing the following Bulk Drugs and Intermediates unit.

Sl. No.:	Name of Products	Quantity Proposed (Max. in TPM)
1	Triphenyl Phosphine	30.0
2	Serattalline Hydrochloride	4.5
3	Fluconazole	6.0
4	Ambroxyl Hydrochloride	2.4
5	Pentaprazole Sodium	12.0
6	Omeprazole Sodium	12.0
7	Cetrazine Di Hydrochloride	3.6

Room No. 706, 7th Floor, 4th Gate, M.S. Building, Bangalore - 560 001 Phone : 080-22032497 Fax: 080-22254377

Website : <http://seiaa.kar.nic.in> <http://seiaa.karnataka.gov.in> <http://environmentclearance.nic.in>

e-mail: msseiaakarnataka@gmail.com



State Level Environment Impact Assessment Authority-Karnataka

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

SEIAA 33 IND 2015

Project for products to Manufacturing of Bulk Drugs and Intermediates unit by M/s. Venus Chemicals and Drugs Pvt. Ltd.

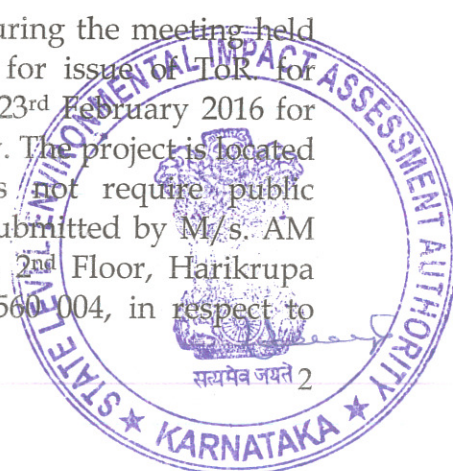
8	Ciprofloxacin Hydrochloride	12.0
9	Domperidone	6.0
	Total	88.5
Sl. No.	Name of ByProducts	Quantity Proposed (Max. in TPM)
1	Phosphorus oxy chloride	0.7
2	Spent nitric acid mixture	0.4

Note: At a time any two products will be produced from the above listed products

2. It is, inter-alia, noted that M/s.Venus Chemicals and Drugs Pvt. Ltd. have proposed for manufacture of Bulk Drugs and Intermediates unit of 88.5 MT/Month in the existing unit of manufacturing of inorganic chemicals. The total plot area is 4,028 sqm, out of which 1,600 sqm is built up area, 400 sqm area is for roads, 1,340 Sqm area is for green belt and 688 sqm is open area. Total water consumption is 44 KLD will be met from KIADB supply, out of which 1.3 KLD for domestic purpose, 10.2 KLD for process, 12 KLD for cooling tower make up, 18 KLD for boiler make ups, 0.5 KLD for washing and 2 KLD for scrubber. Power requirement is 250 KVA. One number DG set of 250 KVA will be installed for emergency power back-up. It is proposed to install 3 TPH capacity of Coal Fired Boiler. The total cost of the project is Rs. 2.32 Crores.

3. The wastewater generation will be 19.3 KLD, out of which 9.2 KLD will be the industrial effluent, 1.1 KLD will be the domestic sewage, 0.5 KLD will be the washing effluent, 2 KLD will be the boiler & cooling tower blow down, 3.1 KLD will be the RO rejection and 2 KLD will be the effluent from scrubber. The industrial effluent and domestic sewage shall be treated in the proposed ETP followed by MEE and ATFD and Biological Treatment System respectively. The solid waste generated are inorganic and organic of quantity 1,073 kg/day and 83 kg/day respectively shall be sent to TSDF and for Cement Industry respectively. Used lead acid batteries (4 nos./Annum) shall be sent back to supplier for buy back, Used Detoxified containers (100 nos/ Month), HDPE liners (25kg/month) and Used Oil (2 KL/Annum) shall be sold to KSPCB authorized recyclers and Spent Carbon (16 kg/day) shall be sent to Cement Industry for incineration, Coal Ash from boiler (800kg/day) shall be sent to Brick Manufacturers, Solvent Distillation bottom residue (20 kg/day) shall be sent to Cement Industry for incineration

4. The project proposal was considered by SEAC during the meeting held on 28th - 30th December 2015 and got recommended for issue of ToR for conducting EIA study, accordingly ToR was issued on 23rd February 2016 for conducting Environment Impact Assessment (EIA) Study. The project is located within the notified industrial area and hence does not require public consultation. The EIA has been conducted and report submitted by M/s. AM Enviro Engineers, Environmental Consultancy, #14/1 , 2nd Floor, Harikrupa Patalamma temple street, Basavanagudi, Bengaluru - 560 004, in respect to



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whom the notification dated 3.3.2016 of the MOE&CC stand deferred as per the order of the Hon'ble High court of Karnataka dated 21-03-2016 in W.P.No.15026-15038/2016. The proponent has submitted the final EIA report vide letter received dated 23rd December 2018.

5. Based on the information submitted by you, presentation made by you and your consultant M/s. AM Enviro Engineers, Environmental Consultancy, #14/1 , 2nd Floor, Harikrupa Patalamma temple street, Basavanagudi, Bengaluru - 560 004. The State Level Expert Appraisal Committee (SEAC) examined the proposal in the meeting held on 10th April 2019 and has recommended for issue of Environmental Clearance.

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

I.Statutory compliance

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (incase of the presence of schedule-1 species in the study area)
- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- v. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vi. 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

II Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions.
- iv. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- v. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
- vii. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with

III. Water quality monitoring and preservation

- i. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD)



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- ii. As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
- iii. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
- iv. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
- v. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
- vi. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
- vii. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.

IV. Noise monitoring and prevention

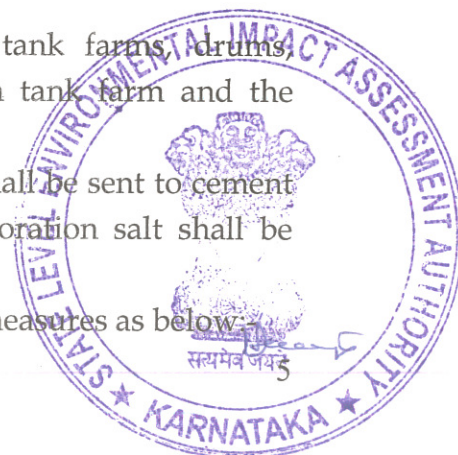
- i. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- ii. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
- iii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time

V. Energy Conservation measures

- i. The energy sources for lighting purposes shall preferably be LED based.

VI. Waste management

- i. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
- ii. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
- iii. The company shall undertake waste minimization measures as below:



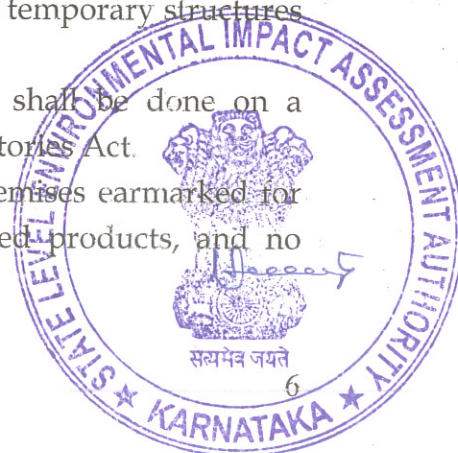
- a. Metering and control of quantities of active ingredients to minimize waste.
- b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
- c. Use of automated filling to minimize spillage.
- d. Use of Close Feed system into batch reactors.
- e. Venting equipment through vapour recovery system.
- f. Use of high pressure hoses for equipment clearing to reduce wastewater generation

VII. Green Belt

- i. The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.

VIII. Safety, Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (H1RA) and Disaster Management Plan shall be implemented.
- ii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
- iii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iv. 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.
- v. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- vii. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places



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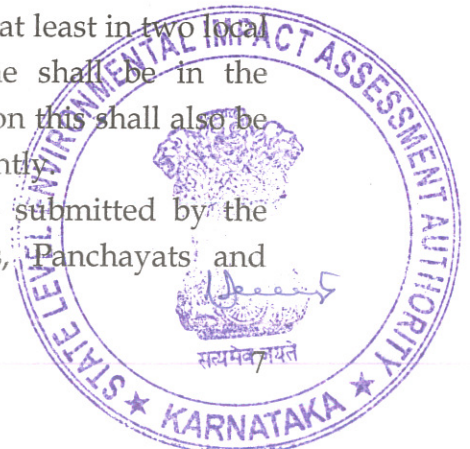
Project for products to Manufacturing of Bulk Drugs
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Drugs Pvt. Ltd.

IX. Corporate Environment Responsibility

- i. The project proponent shall comply with provision contained in OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, of the Ministry of Environment, Forest and Climate Change as applicable, regarding Corporate Environment Responsibility and shall execute the action plan with a total cost of minimum of Rs. 2.32 Lakhs as submitted vide letter dated 22/05/2019, around the project site.
- ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and



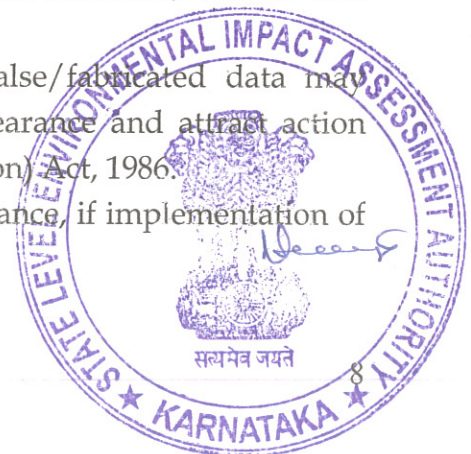
State Level Environment Impact Assessment Authority-Karnataka

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- Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
 - iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
 - v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
 - vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
 - vii. 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, commencing the land development work and start of production operation by the project.
 - viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
 - ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
 - x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
 - xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
 - xii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.



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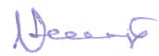
SEIAA 33 IND 2015

Project for products to Manufacturing of Bulk Drugs
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- xiii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



Yours faithfully,


(Vijayakumar Gogi)
Member Secretary,
SEIAA, Karnataka.

Copy to:

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

SIX MONTHLY COMPLIANCE REPORT FOR STIPULATED CONDITIONS TO ENVIRONMENTAL CLEARANCE

(MONITORING PERIOD: APRIL 2022 TO SEPTEMBER 2022)

Prepared for

**“MANUFACTURING OF BULK DRUGS AND
INTERMEDIATES”**

AT

**SY. NOS. 106 & 107, PLOT NO. 197/2, OF RAICHUR GROWTH CENTRE,
WADLOOR CROSS, CHIKSUGUR VILLAGE, RAICHUR DISTRICT**

**PROJECT BY,
M/s. VENUS CHEMICALS AND DRUGS PVT. LTD.
CHIKSUGUR VILLAGE, RAICHUR DISTRICT-584 134**

Prepared By,



AM ENVIRO ENGINEERS

[ISO 9001-2015 CERTIFIED COMPANY]

(QCI/NABET Accreditation No. NABET/EIA/1922/IA0056)

No. 14/1, 2nd Floor, HARIKRUPA, Pattalamma Temple Street, Basavanagudi,

Bengaluru - 560 004

Ph. No. : 080 2657 6577

DETAILS OF THE PROJECT

1	<i>File No.</i>	<i>SEIAA 33 CON 2015 dated on 3-6-2019</i>
2	<i>Project name & Type</i>	<i>Manufacturing of Bulk Drugs and Intermediates</i>
3	<i>Project Location</i>	<i>At Sy. Nos. 106 & 107, Plot No. 197/2, Of Raichur Growth Centre, Wadloor Cross, Chiksugur Village, Raichur District-584134</i>
4	<i>Name of the project proponent</i>	<i>M/s. VENUS CHEMICALS AND DRUGS PVT. LTD.</i> <i>Chiksugur, Raichur District-584134</i>
5	<i>Total Plot Area</i>	<i>4028 Sqm</i>
6	<i>Total Landscape & open area</i>	<i>Landscape area – 1340 Sqm & open area-688 Sqm</i>
7	<i>Total quantity of proposed product</i>	<i>Manufacturing of nine Products with total capacity of 88.5 MT/Month</i> <i>At a time, any two products will be produced</i> <i>Two numbers of by-product with total capacity – 1.1TPM</i>
8	<i>Cost of the project</i>	<i>2.32 Crores</i>
9	<i>DG Set</i>	<i>1×250 kVA</i>
10	<i>Boiler capacity</i>	<i>Coal fired boiler – 1×3 TPH</i>
11	<i>Monitoring period</i>	<i>December 2020 to May 2021</i>
12	<i>Status of the project</i>	<i>Modification in structural work</i>

COMPLIANCE TO EC CONDITIONS

Sl. No.	Condition	Compliance to Condition
I.	Statutory Compliance	
I.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of diversion of forest land for non-forest purpose involved in the project.	Not applicable
II.	The proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable
III.	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (Incase of the presence of schedule-1 species in the study area)	Not applicable
IV.	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	Noted. The project proponent has obtained Consent to Establishment and consent to operation towards proposed project. Copy of CFE AND CFO is attached as Annexure-1
V.	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	Industry is strictly complying the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 2003. The hazardous waste generated within the industry is being disposed to Mother Earth Environ Tech Private Limited and the copy of the agreement is attached as Annexure

		- 2.
VI.	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	Noted and will be followed. Industry is having Hazardous waste authorization for disposal of Hazardous waste that are being generated within the industry. Industry is strictly complying the rules and regulations under Manufacture, Storage and Import of Hazardous chemical Rules, 1989.
II.	Air quality monitoring and preservation	
i)	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Planned to install online VOC analyzers, work under progress.
ii)	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.	To control fugitive emissions materials/ chemicals are handled in close system. Suitable dust extractor and collection systems provided in Powder Processing areas. All emissions are within stipulated limits.
iii)	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions.	Ambient air quality Online monitoring stations shall be installed for monitoring PM ₁₀ and PM _{2.5} in reference to PM emission, and SO ₂ and NO _x . Inside the premises, work under progress.
iv)	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should	Emissions following facility available at site 1. We have closed handling system for chemicals i.e. storage tank

	not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	pumps and pipelines with day storage tank. 2. We have preventive maintenance schedule for all the equipment's installed at site for addressing the issues of leakages & repairs. 3. Adequate stack height is provided for all the DG sets, boilers and process vents. Similarly, suitable acoustic enclosures are provided for DG sets.
v)	Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Raw materials segregated and stored in a closed system, closed loop solvent batching system and powder processing systems are installed for charging liquid & solid materials for the process to avoid fugitive emissions.
vi)	National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.	Complied. Regular monitoring of ambient air quality, process emission and treated effluent are being carried out. The monitoring reports are being submitted to KSPCB regional office at regular intervals.
vii)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with	Complied. Ambient air quality carried out as per NAAQS standards. Levels of PM10, PM2.5, NOX, SO2 & NH3 in ambient air and stack emission are being monitored and displayed at the main gate. VOC levels are also being monitored at periodic intervals. Monitoring reports are regularly submitted to regional office KSPCB at regular intervals is attached as Annexure-3 . Compliance report uploaded in company website and being updated half yearly.
III.	Water quality monitoring and preservation	
i)	The project proponent shall provide online continuous monitoring of effluent, the unit	Plant is already following' Zero liquid discharge (ZLD) norms. PTZ

	shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD)	camera installed at effluent inlet and treated water outlet with flow meters same connected to CPCB.
ii)	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).	All the process effluent generated are treated through ETP ZLD system comprising of physiochemical treatment, stripper, Multiple effect evaporator, Agitated Thin Film Drier, Biological treatment system and Reverse Osmosis. Permeate from RO is used in cooling tower make up.
iii)	The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.	Complied. Effluent treatment plant and zero liquid discharge systems are being operated to treat and recycle all the effluent generated. Generated sewage is being treated to the KSPCB standard.
iv)	Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.	Fresh water demand for the proposed project is not being exceeded and supply of water is from KIADB.
v)	Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.	Noted and will be followed. The runoff from open area is used for recharging ground water. Storm water drain constructed and it is ensured that wastewater is not mixing.
vi)	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.	Proper plans are made to harvest surface as well as rainwater from the rooftops of the building. The run off From open area is used for recharging ground water. Roof top rain water harvested in the industry is being used for various activities to conserve fresh water.
vii)	The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.	The gaseous emissions from the DG set has been dispersed through stack of 7m AGL as per CPCB standards. Acoustic enclosure has been provided to the DG set to mitigate

		the noise pollution.
IV.	Noise monitoring and prevention	
i)	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Acoustic enclosure has been provided to the DG set to mitigate the noise pollution.
ii)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.	The Noise levels in and around the plant premises is within the standards. We have installed acoustic enclosure silencer. Noise generation levels are being monitored regularly.
iii)	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time	Noted and being followed.
V.	Energy Conservation measures	
i)	The energy sources for lighting purposes shall preferably be LED based.	Solar panels of 8kVA for lightings.
VI.	Waste Management	
i)	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.	Hazardous chemicals are stored in drums, carboys methanol and Toluene are stored in underground tank of 10 kl capacity each. Flame arresters are provided to the tank vent with breather valve. A separate storage tank is provided for HCl with dyke wall. Solvent are transferred through flame proof pumps with proper double earthing.
ii)	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	Shall be complied as per the provisions of Hazardous Waste Management Rules, we have Already have agreement with ACC cement industry, organic residue and spent carbon analyzed and sent to cement industry.
iii)	The company shall undertake waste minimization measures as below: 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	a. All measurable instruments are available at the facility; Batch wise quantity is closely monitored. b. Noted, there is no such kind of byproducts generated while manufacturing APIs. Continues efforts are done to optimize raw

	<p>spillage.</p> <p>d. Use of Close Feed system into batch reactors.</p> <p>e. Venting equipment through vapour recovery system.</p> <p>f. Use of high pressure hoses for equipment clearing to reduce wastewater generation</p>	<p>material consumption and to get maximum yield.</p> <p>c. Being complied</p> <p>d. Powder transmitters and closed loop pipe line systems (solvent batching system) are installed at processing area.</p> <p>e. Equipment are vented through vapour column followed by primary and secondary condensers for vapour condensation and recovery.</p>
VII.	Green Cover	
i)	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	Green belt is developed in the industry with suitable species of the plants as per CPCB guidelines to mitigate the effects of fugitive emissions. Native / indigenous plant species are planted in the industry. More than 50 trees exist in the 33% green belt area out of the 1 acres' land area.
VIII.	Safety, Public hearing and Human health issues	
i)	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented	On-site emergency management plan is available and mock drill rehearsals are carried out in line with the On-site emergency management plan
ii)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.	Complied. Several fire protection measures are installed like flame proof equipment, grounding and bounding of equipment and pipelines, use of antistatic materials, flame arresters, periodic inspection and maintenance of these system, hot work permit systems. Etc. Fire fighting facilities like fire hydrant system, water monitors, foam monitors, portable fire extinguishers and fire tender is available to handle emergencies. Fire alarm systems are available.
iii)	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Complied. Activity wise PPE matrix is available and PPE adherence is closely monitored.

iv)	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. Safety training programs includes safe handling of chemicals, effects due to mishandling of chemicals and exposure to them are being conducted on safety and health aspects of chemicals handling. Pre-employment medical examination is pre-requisite and routine periodical medical examinations is conducted for all employees regularly.
v)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Product mix change done within the existing facility, no construction activities involved in the project.
vi)	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 Drug manufacturing unit and hence worker's occupational health surveillance is mandatory and is being carried out on a regular basis at company's occupational Health Centre and the records are maintained as per the Factories Act.
vii)	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places	Noted and being followed.
IX.	Corporate Environment Responsibility	
i)	The project proponent shall comply with provision contained in O.M. F. No.22-65/2017-IA.III dated 01st May 2018, of the Ministry of Environment, Forest and Climate Change as applicable, regarding corporate Environment Responsibility and shall execute the action plan with the total cost of minimum of Rs. 9.6 lakhs to developing Green belt to reduce air pollution levels. Monitoring Ambient Air Quality, construction of shelters at bus stop and providing signage, supply of RO system	M/s. Venus Chemicals and Drugs Pvt. Ltd. will undertake all the relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities will be undertaken by involving local villages and administration. We are giving employment for local persons around 70%.

	to nearest village and sanitary facility to Humnabad Govt School, as submitted vide letter received on 16 th May 2020 around the project site.	
ii)	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or stakeholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	The industry will have a well laid down environmental policy duly approved by the Board of Directors.
iii)	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	We will hire the Environmental engineer to take care of the environmental aspects and he will be updating the same with the management which will be executing the project.
iv)	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry of Environment, Forest and Climate Change/Regional Office along with the Six-Monthly Compliance Report.	Noted and will be complied. M/s. Venus Chemicals and Drugs Pvt. Ltd. adheres to the condition and will not divert environment management fund for any other purpose.
v)	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Noted and being followed accordingly.
X.	Miscellaneous	

i)	Effort shall be made to replace Hexane, Toluene and Bromine by alternatives as per the SEAC condition.	Note and will compile
ii)	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied.
iii)	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied.
iv)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Noted and being complied regularly.
v)	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Noted and complied
vi)	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Noted and being complied
vii)	"The HYCRs with its contents of a covering letter, compliance reports, and environmental monitoring data has to be in PDF format merged into a single document. The email should clearly mention the name	Noted and being complied regularly.

	of project, EC No & date, period of submission and to be sent to the Regional Office of MOEF&CC by email only at email ID rosz.bng-mefcc@gov.in Hard copy of HYCRs shall not be acceptable”.	
viii)	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Noted and being complied
ix)	The project proponent shall inform the Regional Office as well as the Ministry of Environment, Forest and Climate Change, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Noted
x)	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted and all conditions stipulated by KSPCB are being complied
xi)	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	M/s. Venus Chemicals and Drugs Pvt. Ltd. will comply with all environmental protection measures and safeguards proposed in the documents submitted to the ministry.
xii)	No further expansion or modifications in the plant shall be carried out without prior approval of this Authority or the Ministry of Environment, Forests and Climate Change (MoEF&CC).	There is no modification in the plan. In case of any change(s) in the scope of the project, a fresh appraisal by the MoEF shall be obtained.
xiii)	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted. We will always abide to the terms and conditions of the Board.
xiv)	The State Level Environment Impact Assessment Authority, Karnataka may revoke or suspend the clearance, if implementation of any of the above	Noted. We will always abide to the terms and conditions of the Board.

	conditions is not satisfactory.	
xv)	The SEIAA, Karnataka reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted. We will always abide to the terms and conditions of the Board.
xvi)	The Regional Office of MoEF&CC shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Complete cooperation will be extended to the officials during their inspection.
xvii)	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Noted. Above conditions are being followed and implemented.
xviii)	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.



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Report No : SLNTL22010018A	Report Date : 21/10/2022
Issued To : M/s. Venus Chemicals and Drugs pvt. Ltd. Sy. Nos. 106 & 107, Plot No. 197/2, Of Raichur Growth Centre, Wadloor Cross, Chiksugur Village, Raichur District, Karnataka.	Customer Reference : Verbal
	Date of Receipt : 18/10/2022
	Date of test start : 18/10/2022
	Date of Completion Of test : 21/10/2022
Sample Particular	Ambient Air Quality Monitoring
Sampling Location	Near Project Site Area
Date of Sampling	17/10/2022

Results:

Sl. No.	Parameters	Units	Results	NAAQM Standard	Test Method
01	Particulate Matter (PM ₁₀)	µg/m ³	70.4	100 Max	IS 5182 (Part 23) :1985 (RA 2012)
02	Particulate Matter(PM _{2.5})	µg/m ³	39.2	60 Max	CPCB Manual
03	Sulphur Dioxide (SO ₂)	µg/m ³	18.1	80 Max	IS 5182 (Part 2) :2001 (RA 2012)
04	Nitrogen Dioxide (NO ₂)	µg/m ³	30.5	80 Max	IS 5182 (Part 6) :2006 (RA 2012)

Report Status: The above tested parameters are within the NAAQM Standards.

*****End of the Report*****


Authorised Signatory

Note : 1. The results listed pertain only to the tested samples and applicable parameters.

2. Samples will be destroyed after 15 days from the date of issue of test certificates unless & otherwise specified and all perishable samples will be destroyed immediately after tests conducted.

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4. Sampling not done by us, unless specified.



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Report No : SLNTL22010018B	Report Date : 21/10/2022
Issued To : M/s. Venus Chemicals and Drugs pvt. Ltd. Sy. Nos. 106 & 107, Plot No. 197/2, Of Raichur Growth Centre, Wadloor Cross, Chiksugur Village, Raichur District, Karnataka.	Customer Reference : Verbal
Sample Particular	Date of Receipt : 18/10/2022
Date of Sampling	Noise Level Monitoring
	17/10/2022

Method: IS 9989: 1981(RA - 2008)

Sl. No	Sample Location	Results dB(A)		
		L min	L max	L _{EQ}
01	East Side Boundary Area	45.6	57.4	54.5
02	West Side Boundary Area	46.8	57.6	53.2
03	North Side Boundary Area	44.9	57.1	51.5
04	South Side Boundary Area	46.0	54.0	52.9

Note: Noise level stipulated by KSPCB

Residential area is 55 dB (A) (During day time) and 45 dB (A) (During Night Time),

Commercial area 65 dB (A) (During day time), and 55 dB (A) (During Night Time),

Industrial area 75 dB (A) (During day time), and 70 dB (A) (During Night Time),

*****End of the Report*****


Authorised Signatory

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Report No : SLNTL22010018C	Report Date : 21/10/2022
Issued To : M/s. Venus Chemicals and Drugs pvt. Ltd. Sy. Nos. 106 & 107, Plot No. 197/2, Of Raichur Growth Centre, Wadloor Cross, Chiksugur Village, Raichur District, Karnataka.	Customer Reference : Verbal
	Date of Receipt : 18/10/2022
	Date of test start : 18/10/2022
	Date of Completion Of test : 21/10/2022
	Sample Particulars : Ground Water

Parameters	Results	Maximum Acceptable Limits (in mg/L)	Maximum Permissible Limits (in mg/L)	Test Method
		(As per IS 10500:2012)		
Colour, Hazen Units	<5	5	15	IS:3025/Part-4
Odour	Agreeable	Agreeable	Agreeable	IS:3025/Part-5
Taste	Agreeable	Agreeable	Agreeable	IS:3025/Part-8
pH Value	7.16	6.5 – 8.5	No Relaxation	IS:3025/Part-11
Turbidity, NTU	<1	1	5	IS:3025/Part-10
Total Dissolved Solids, mg/L	838.0	500	2000	IS:3025/Part-16
Chloride as Cl, mg/L	136.2	250	1000	IS:3025/Part-32
Total Hardness as CaCO ₃ , mg/L	283.0	200	600	IS:3025/Part-21
Calcium as Ca, mg/L	80.4	75	200	IS:3025/Part-40
Magnesium as Mg, mg/L	36.8	30	100	IS:3025/Part-46
Sulphate as SO ₄ , mg/L	40.6	200	400	IS:3025/Part-24
Fluoride as F, mg/L	0.4	1.0	1.5	IS:3025/Part-60
Chromium as Cr ⁶⁺ , mg/L	<0.01	0.05	No Relaxation	IS:3025/Part-52
Residual Free Chlorine, mg/L	<0.1	0.2	1	IS:3025/Part-26
Total Alkalinity as CaCO ₃ , mg/L	165.0	200	600	IS:3025/Part-23
Nitrate as NO ₃ , mg/L	10.2	45	No Relaxation	IS:3025/Part-34
Copper as Cu, mg/L	<0.01	0.05	1.5	IS:3025/Part-42
Iron as Fe, mg/L	<0.1	0.3	No Relaxation	IS:3025/Part-53
Manganese as Mn, mg/L	<0.1	0.1	0.3	IS:3025/Part-59
Phenolic Compounds, mg/L	Not Detected	0.001	0.002	IS:3025/Part-43
Mercury as Hg, mg/L	Not Detected	0.001	No Relaxation	IS:3025/Part-48

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Report No : SLNTL22010018C	Report Date : 21/10/2022
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	Date of Receipt : 18/10/2022
	Date of test start : 18/10/2022
	Date of Completion Of test : 21/10/2022
	Sample Particulars : Ground Water

Parameters	Results	Maximum Acceptable Limits (in mg/L)	Maximum Permissible Limits (in mg/L)	Test Method
		(As per IS 10500:2012)		
Cadmium as Cd, mg/L	Not Detected	0.03	No Relaxation	IS:3025/Part-41
Selenium as Se, mg/L	Not Detected	0.01	No Relaxation	IS:3025/Part-56
Arsenic as As, mg/L	Not Detected	0.02	No Relaxation	IS:3025/Part-37
Cyanide as CN, mg/L	Not Detected	0.05	No Relaxation	IS:3025/Part-27
Lead as Pb, mg/L	Not Detected	0.01	No Relaxation	IS:3025/Part-47
Zinc as Zn, mg/L	<0.5	5	15	IS:3025/Part-49
Anionic Detergent as MBAS, mg/L	<0.1	0.2	1.0	IS:13428 AnnexK
Aluminium as Al, mg/L	<0.01	0.03	0.2	IS:3025/Part-55
Boron as B, mg/L	<0.1	0.5	1	IS:3025/Part-57
Total Coliform, MPN/100ml	Not Detected	Not Detectable		IS 1622 - 1981
E. Coli, MPN/100ml	Not Detected	Not Detectable		IS 1622 - 1981

Remarks: The given water sample conforms to IS 10500: 2012 specification for above tests.

*****End of the Report*****


Authorised Signatory

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Report No : SLNTL22010018D	Report Date : 21/10/2022
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	Date of Receipt : 18/10/2022
	Date of test start : 18/10/2022
	Date of Completion Of test : 21/10/2022
Sample Particulars : Soil Sample	

Sl. No	Parameters	Results	Test Method
01	Coarse Sand, %	20.2	International Pipette Method
02	Fine Sand, %	24.3	International Pipette Method
03	Silt, %	27.9	International Pipette Method
04	Clay, %	27.6	International Pipette Method
05	Colour	Reddish Brown	International Pipette Method
06	pH (1 : 2.5)	7.46	Glass Electrode pH Meter
07	Electrical Conductivity (1 : 2.5), μ s/cm	588	Conductometric method Jackson
08	Organic Carbon, mg/kg	0.60	Wet oxidation method
09	Nitrogen as N, mg/kg	345.1	Hand Book of Soil Analysis
10	Phosphorous as P, mg/kg	212.5	Hand Book of Soil Analysis
11	Potassium as K, mg/kg	276.0	Hand Book of Soil Analysis
12	Chloride as Cl, mg/kg	236.2	Hand Book of Soil Analysis
13	Moisture, %	9.2	Hand Book of Soil Analysis
14	Magnesium as Mg, mg/kg	143.0	Hand Book of Soil Analysis
15	Iron as Fe, mg/kg	0.68	Hand Book of Soil Analysis
16	Copper as Cu, mg/kg	26.2	Hand Book of Soil Analysis
17	Mercury as Hg, mg/kg	<0.01	Hand Book of Soil Analysis
18	Cadmium as Cd, mg/kg	<0.01	Hand Book of Soil Analysis
19	Selenium as Se, mg/kg	<0.01	Hand Book of Soil Analysis
20	Arsenic as As, mg/kg	<0.01	Hand Book of Soil Analysis
21	Lead as Pb, mg/kg	<0.01	Hand Book of Soil Analysis
22	Zinc as Zn, mg/kg	165.6	Hand Book of Soil Analysis
23	Manganese as Mn, mg/kg	17.4	Hand Book of Soil Analysis
24	Cyanide as CN, mg/kg	Absent	Hand Book of Soil Analysis

*****End of the Report*****

Authorised Signatory

Note : 1. The results listed pertain only to the tested samples and applicable parameters.

2. Samples will be destroyed after 15 days from the date of issue of test certificates unless & otherwise specified and all perishable samples will be destroyed immediately after tests conducted.

3. This report is not be reproduced either wholly or in part and can not be used as an evidence in the count of law and should not be used in any advertising media without prior written permission.

4. Sampling not done by us, unless specified.