



TELANGANA STATE POLLUTION CONTROL BOARD

Phone: 23887500
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CONSENT & HWA ORDER (RENEWAL) - RED CATEGORY

CONSENT ORDER NO. 17082796699 DATED: 14/09/2017.

(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof, Operation of the plant under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof.

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof, and Authorisation under the provisions of HW (MH & TM) Rules, 2016 (hereinafter referred to as 'the Acts', 'the Rules') and amendments thereof and the rules and orders made there under to M/s." **Lonza india private limited** ,Sy No.101P,119,120,121P, Plot no.01, sector specific SEZ for Biotechnology, APIIC Biotech park Phase-II, Genome valley, " (hereinafter referred to as 'the Applicant /Industry') and the industry is authorized to operate the industrial plant to discharge the Effluents from the outlets and the quantity of Emissions per hour from the chimneys, by operating pollution control equipment, as detailed below,

i) Out lets for discharge of Effluents :

Outlet No.	Description of Outlet	Max Daily Discharge in KLD	Point of Disposal
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ii) Emissions from chimneys:

Chimney No.	Description of Chimney
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iii) HWAutorisation No.17082796699 DATED: 14/09/2017.

HAZARDOUS WASTE AUTHORISATION
(FORM – II)
[See Rule 6 (2)]

Lonza india private limited ,Sy No.101P,119,120,121P, Plot no.01, sector specific SEZ for Biotechnology, APIIC Biotech park Phase-II, Genome valley, is hereby granted an authorization to operate a facility for collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

1. HAZARDOUS WASTES WITH DISPOSAL OPTION :

Name of the Hazardous Waste	Stream	Quantity	Disposal option
-----NIL-----			

2. HAZARDOUS WASTES WITH RECYCLING OPTION :

Name of the Hazardous Waste	Stream	Quantity	RECYCLING option
-----NIL-----			

S.No.	Name of the Product	Capacity	Unit
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This order is subject to the provision of 'the Acts' and the Rules and amendments made thereunder and further subject to the terms and conditions incorporated in the schedule A, B and C enclosed to this order.

This combined order of Consents and Authorization is valid for a period ending with the .September 14, 2017

MEMBER SECRETARY

To

The Managing Director,

M/s.LONZA INDIA PRIVATE LIMITED ,

Sy No.101P,119,120,121P, Plot no.01, sector specific SEZ for Biotechnology, APIIC Biotech park Phase-II, Genome valley, ,

Pin: 500078

Copy to :

SCHEDULE – A

SCHEDULE - B

1. Total Water Consumption shall not exceed : 46.50 KLD

S.No.	Purpose	Quantity
1	Process	11
2	DM plant/regeneration	0.5
3	Domestic	5
4	Greenbelt	30

2. The Treated Effluent Dischrged/pre-treated effluent sent to CETB shall not exceed the following prescribed standards

Outlet No.	Parameter	Limiting Standard
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3. The Emission shall not exceed the following prescribed standards

Chimney No.	Description of Chimney	Parameter	Emission Standards
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SCHEDULE - C

MEMBER SECRETARY

To
The Managing Director,
M/s.LONZA INDIA PRIVATE LIMITED ,
Sy No.101P,119,120,121P, Plot no.01, sector specific SEZ for Biotechnology, APIIC Biotech park Phase-II, Genome valley, ,
Pin: 500078



TELANGANA STATE POLLUTION CONTROL BOARD
ZONAL OFFICE: HYDERABAD

R.Ravinder Reddy

Joint Chief Environmental Engineer

H.No.6-3-1219, T.S.No.1, Part, Block "C",
Ward No.91, Begumpet, Umanagar,
Near Country Club, Hyderabad - 500 016
Email: jcee-zhyd-tspcb@telangana.gov.in

REGD. POST WITH ACK. DUE

CONSENT & HW AUTHORIZATION ORDER-RED CATEGORY

Consent Order No: 871-RR-II/PCB/ZOH/CFO/2017 - 1146 **Date: 12.09.2017**

(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof and Operation of the plant under section 21 of Air (Prevention & Control of Pollution) Act, 1981 and amendments thereof) and Authorization / Renewal of Authorization under Rule 6 of the Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016.

CONSENT is hereby granted 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 (hereinafter referred to as 'the Acts') and Authorization under the provisions of HW (M & TM) Rules (herein after referred to as 'the Acts' 'the Rules') the rules and orders made thereunder to

M/s. Lonza India Pvt. Ltd,
Sy No's: 101P, 119, 120, 121P,
Plot No: 01, Sector specific SEZ for Biotechnology,
APIIC Biotech Park Phase –II, Genome Valley,
Lalgadi Malakpet (V), Shameerpet (M),
Rangareddy District

(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	Point of Disposal	Limiting Standards
1	R&D Biological Waste	1.0 KLD	After sterilization, shall be sent to M/s. JETL, Jeedimetla, Rangareddy District for further treatment and disposal.	Inlet parameters of CETP prescribed by the Board
2	R&D chemicals waste, glass washings etc., and DM Plant regeneration	10.5 KLD	After pretreatment, shall be sent to M/s. JETL, Jeedimetla, Rangareddy District for further treatment and disposal.	Inlet parameters of CETP prescribed by the Board
3	Domestic	4.5 KLD	After treatment in STP, treated wastewater shall be utilized for onland for gardening within the premises.	PH-5.5-9.00, Total Suspended Solids- 200.00mg/l, Oil and Grease- 10.00 mg/ l, Biochemical Oxygen Demand (3 days at 27°C) – 100 mg/l.

ii) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow	Emission Standards
1.	Attached to DG set of capacity 500 KVA	---	SPM -115 mg/Nm ³
2	Attached to DG set of capacity 500 KVA	---	

iii) Hazardous Waste Authorization: (Form – 2) [See Rule 6(2)]:

M/s. Lonza India Pvt. Ltd, Sy No's: 101P, 119, 120, 121P, Plot No: 01, Sector specific SEZ for Biotechnology, APIIC Biotech Park Phase –II, Genome Valley, Lalgadi Malakpet (V), Shameerpet (M), Rangareddy District is hereby granted an authorization to operate a facility for collection, reception, storage, transport and disposal of the following wastes with quantities as mentioned below:

Sl. No.	Name of the Hazardous Waste	Stream	Quantity of Hazardous waste	Disposal Option
1	Organic & Inorganic waste from labs	1.0 Kgs/month	28.1 of Sch-I	Shall be lifted to M/s. HWM Project (TSDF), Dundigal, Rangareddy District.
2	Spent Solvents	10 LPM	28.5 of Sch-I	Shall be recovered the spent solvent to the maximum extent possible and the resultant residue shall be lifted to HWMP, Dundigal / Authorized cement industries for incineration.
3	Used media, Biotechnology wastes like used media, Placenta, Blood tissues etc.	15-20 Kg/ Month	---	Shall be sent to CBMWTF i.e., M/s. Semb Ramky.
4	Serological pipettes syringes without needles, Used gloves, Pipette tips, Tissue culture flasks, dishes, Tubes etc.	20-25 Kg/ Month	---	
5	Needles, scalpels and other dissection	1.0 kg/month	---	
6	Petri dishes, eppendorf tips, pipettes, paper towels etc.	10-15 Kg/month	---	
7	Waste oils from D.G set	100 LPA	5.1 of Sch-I	Shall be sent to authorized agencies for re-processing / recycling
8	Lead acid Batteries	4 NPA	17 of Sch-IV	Returned to the manufacturers/ dealers on buy-back basis.
9	Broken lab glassware	10 Kg/month	---	Shall be disposed to authorized agencies / dealers for Recycling & Reprocessing.
10	Plastic materials	50 Kg/month	---	

This consent order is valid for the manufacture of the following products with quantities mentioned below only:

Sl. No.	Product & By product
1.	R&D in Biotechnology, Bioservices, Rapid Testing services and Formulations. (No Commercial activity)

This order is subject to the provisions of 'the Acts' and the Rules' and amendments made thereunder and further subject to the terms and conditions incorporated in the schedule A, B and C enclosed to this order.

This combined order of Consent and Authorizations shall be valid for a period ending with the 30th Day of June, 2022.

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JOINT CHIEF ENVIRONMENTAL ENGINEER

Handwritten signature

To
M/s. Lonza India Pvt. Ltd,
Sy No's: 101P, 119, 120, 121P,
Plot No: 01, Sector specific SEZ for Biotechnology,
APIIC Biotech Park Phase -II, Genome Valley,
Lalgadi Malakpet (V), Shameerpet (M),
Rangareddy District.
E_mail: vivek.save@lonza.com,
padmaja.kunaparaju@lonza.com

Copy submitted to the Member Secretary, TSPCB, Board Office, Hyderabad for information.
Copy to the JCEE(CESS), TSPCB, Board Office, Hyderabad for information.
Copy to the Environmental Engineer, TSPCB, Regional Office-II, Rangareddy District for information.

SCHEDULE – A

1. The applicant shall make applications **through online** for renewal of consent (under Water and Air Acts) and Authorization under HWM Rules **atleast 120 days before the date of expiry of this order**, along with prescribed fee under Water and Air Acts for obtaining consent of the Board **along with detailed compliance to the conditions stipulated in the CFO**.
2. The industry shall 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 etc.
3.
 - a) All the fugitive emissions shall be controlled with proper measures.
 - b) The applicant shall also install the equipment such as wind speed recorder and wind direction recorder.
4. The applicant shall not change or alter either the quality or the quantity or the rate of the discharge or the route of discharge and shall not change or alter either the prescribed quality or the rate of emission without the previous written permission of the Board.
5. The applicant shall, not later than 30 days from the date of issue of this consent order, certify in writing to the Board that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities installed by the applicant, to comply with the terms and conditions of this consent. In absence of alternative electric power source sufficient to operate all facilities installed by the applicant, to comply with the terms and conditions of this consent, production shall be stopped.
6. Any up-set condition in any plant/plants of the industry, which result in, increased effluent discharge and/ or violation of standards stipulated in this order or the emission of any Air Pollutant into the environment in excess of the standards laid down by the Board, occurs or is apprehended to occur due to accident, or other unforeseen act or event, the person-in-charge of the premises, from where such discharge / emission occurs or is apprehended to occur shall forthwith intimate the fact of such occurrence or the apprehension of such occurrence to this Board, by fax / email under intimation to the Collector and District Magistrate.
7. In case of such episodal discharges / emissions mentioned in item 6 above, the industry should take immediate action to bring down the discharge / emission below the limits prescribed in this order.
8. A good house keeping shall be maintained both within the factory and in the premises. All hoods, pipes, valves, sewers and drains shall be leak proof. Floor washings shall be admitted into the effluent collection system only and shall not be allowed to find their way into storm drains or open areas.
9.
 - a) The industry shall carryout analysis of waste water discharges or emissions through chimneys, for the parameters mentioned in Schedule – B of this order at regular intervals.
 - b) The industry shall maintain following records to accessible to the Board, whenever required.
 1. Analysis reports of waste water/ emissions.
 2. Log book for operation of pollution control systems.
 3. Inspection book
10. The applicant shall set up THREE Ambient Air Quality Monitoring Stations for continuous recording of relevant critical parameters mentioned in Schedule - B as per the CPCB guidelines and submit monthly reports.
11. Separate power connection with energy meter shall be provided for the Pollution Control Equipment and record of power consumption and chemicals consumption for the operation of pollution control equipment shall be maintained separately.
12. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E (P) Rules, 1986 & its amendments thereof.
13. The applicant shall comply with the directives/orders issued by the Board in this consent order and at all subsequent times without any negligence on his part. The applicant shall be liable for such legal action against him as per provisions of the Law/Act in case if non-compliance of any order/directive issued at any time and/or violation of the terms and conditions of this consent order.

14. The applicant shall furnish to the visiting officer and / or the Board any information regarding the construction, installation or operation of the effluent treatment system/ air pollution control equipment and such other particulars as may be pertinent for preventing and controlling pollution.
15. The industry is liable to pay compensation for any environmental damage caused by it, as fixed by the Collector and District Magistrate as Civil liability.
16. All the rules & regulations notified by Ministry of Environment and Forests, Government of India in respect of management, handling, transportation and storage of hazardous chemicals and wastes shall be followed.
17. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 shall be followed.
18. The occupier shall educate the workers and nearby public of possible accidents and remedial measures.
19. For any accident or spillage of hazardous wastes causing damage to the Environment, the occupier or the transporter as the case shall be held responsible.
20. In case of closure of industry, the un-used/not consumed raw materials falling under the category of Hazardous Chemicals and mentioned in Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amendment Rules, 2003 shall be removed and sold to other units within 90 days from the date of closure to prevent any possibility of occurrence of an accident. In case the above hazardous chemicals have lost their properties originally acquired, then they shall be treated as Hazardous Waste and they should be disposed off only to the authorized agencies of TSPCB in a safe manner.
21. The occupier shall prepare / update an emergency preparedness plan for safe handling of hazardous waste from time to time and submit the same to TSPCB. Emergency preparedness plan must be implemented immediately whenever there is fire, explosion or release of hazardous waste or hazardous waste constituents, which could endanger to human health or environment.
22. Packaging, labeling and transportation of Hazardous Wastes shall be in accordance with the provisions of the rules issued by the Central Govt. under the Motor Vehicles Act, 1988 and other guidelines issued from time to time. The packaging and labeling shall be based on the composition and hazardous constituent of the waste, however all Hazardous Waste containers should be provided with a general label.
23. 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 shall carry a Transport Emergency (TREM) card (as given in the guidelines for management and handling of hazardous wastes) duly filled by the Hazardous Waste generator.
24. Containers / Container Liners of Hazardous Chemicals and Hazardous Wastes should be thoroughly detoxified before selling to agencies authorized by TSPCB. Proper records, specific to each Hazardous Chemical / Hazardous Waste Containers / container Liners should be maintained in the following way:
 - i . Number of containers received.
 - ii . Date and method of detoxification.
 - iii . Name of agencies to whom containers were sold with quantities.
 - iv . Transportation particulars.
25. No Hazardous Wastes shall be mixed with any other waste or shall be discharged to a common, other internal, external sewerage or other drainage system without prior approval of TSPCB.
26. If HDPE bags are used for storing Hazardous Wastes, it should be ensured that they are perfectly sealed mechanically or double hot sealed. If MS / HDPE bags or drums are used for Hazardous Wastes, these drums / bags should be ensured that they are perfectly sealed.
27. The person authorized shall not rent, lend, sell, transfer their industrial premises without obtaining prior permission of State Pollution Control Board.
28. Any Unauthorized change in personnel, equipment and working condition as mentioned in the application by the person authorized shall constitute a breach of this authorization.

29. The industry shall comply with the provisions of Batteries (Management and Handling) Rules, 2001.
30. The applicant shall put up two black boards of size 6 ft by 4 ft. at the main entrance to their plant. One board shall contain the specific CFE and CFO conditions, in sufficiently large font size so that it can be read easily from a distance of 10 ft to a normal eye, and other board shall carry, again in sufficiently large font size so as to be able to read from a distance of 10 ft, the latest Water, Air, Noise and solid waste monitoring data as well as the maximum vulnerable zone.
31. The applicant shall exhibit the Consent & HW Authorization order of the Board in the factory premises at a prominent place for the information of the inspecting officers of the different departments.
32. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves to it the right and powers under Section 27(2) of the Water (Prevention & Control of Pollution) Act, 1974 and its amendments thereof **and** under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and its amendments thereof to review 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.
33. The authorization issued under Hazardous and other wastes (Management and Transboundary Movement) Rules, 2016, shall comply with the provision of the Environment (Protection) act, 1986.
34. 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 Telangana State Water rules, 1976 and Air Rules 1982, to such authority (herein after referred to as the 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.

SCHEDULE - B

Special Conditions

1. The industry shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities prescribed below:

Sl. No.	Purpose	Total quantity
1	R&D biological waste	1.0 KLD
2	R&D chemical waste, washings, glass ware washings etc.,	10.0 KLD
3	DM Plant regeneration	0.5 KLD
4	Domestic	5.0 KLD
5	Gardening	30 KLD
Total		46.5 KLD

The Industry shall maintain separate water meters for the above areas and maintain records.

2. The industry shall file the water Cess returns in Form-I as required under section (5) of Water (Prevention and Control of Pollution) Cess Act, 1977 on or before the 5th of every calendar month, showing the quantity of water consumed in the previous month along with water meter readings. The industry shall remit water Cess as per the assessment orders as and when issued by Board.
3. The industry should comply with the National ambient air quality standards of Particulate Matter(PM₁₀) – 100 µg/m³; Particulate Matter (PM_{2.5}) – 60 µg/m³; SO₂ -80 µg/m³; NOx- 80 µg/m³, outside the factory premises at 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-1, 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).
4. The industry shall comply with all the Rules and Regulations specified in Water (P&C of P) Act, 1974, Air (P&C of P) Act, 1981 and Hazardous and other Wastes (Management, Transboundary Movement) Rules, 2016.

5. The industry shall not produce product other than those permitted in this order without obtaining CFE & CFO of the Board.
6. The industry shall not provide pilot plant activity and shall not go for commercial production without permission of the Board.
7. The industry shall carryout sterilization to the effluents generated in the R&D and Pilot Plant Biological Waste. After sterilization these effluents along other effluents shall be send to M/s. JETL, Jeedimela for further treatment and disposal.
8. The industry shall have minimum of 7 days storage capacity of effluents on above ground level, with-in the premises.
9. The industry shall regularly operate Sewage Treatment Plant (STP) for the treatment of the domestic wastewater and the treated domestic wastewater shall be utilized for on land for gardening by duly complying with the standards stipulated by the Board.
10. The industry shall suck the fumes emanated during the various chemical reactions in the fume hoods and pass them through a wet scrubber before letting into atmosphere through common stack.
11. The industry shall collect hazardous waste i.e., Organic & Inorganic waste from labs properly and lift the waste to TSDF, Dundigal, R.R. District regularly.
12. The industry obtain Biomedical waste authorization as per the BMW Rules, 2016.
13. The industry shall segregate the Bio-medical waste properly as per the Bio-medical Waste Management Rules, 2016. This waste shall be lifted to M/s. Sembramky Environmental Management Private Limited for further treatment and disposal.
14. The industry shall not discharge any waste water to outside the factory premises.
15. The industry shall not cause any air pollution / odour nuisance to the surrounding environment.
16. The industry shall not dispose the solid waste outside the factory premises.
17. The industry shall develop 33% of the total area as thick green belt all along the boundary of the unit and also in the vacant places with all tall growing trees with wide leaf area.
18. The industry should maintain the following records and the same should be made available to the Board Officials during the inspection.
 - a) Daily production details, RG-I records and Central Excise Returns.
 - b) Quantity of effluents generated and lifted to CETP, Jeedimela, quantity of domestic effluents generated, treated in STP and utilized for gardening.
 - c) Log Books for pollution control systems.
 - d) Daily solid waste generated and disposed to TSDF.
19. The industry shall maintain good house keeping & maintain proper records for hazardous waste stated in the authorization.
20. The industry shall submit Environmental Statement in Form V before 30th September every year as per Rule No.14 of Environmental (Protection) Act, 1986.
21. The industry shall take necessary measures to control fugitive emissions.
22. The industry shall take all precautionary and safety measures during process operations.
23. The industry shall comply with the ambient air quality standards in respect of noise, as stipulated in the Environment (Protection) Rules, 1986.
24. The industry shall comply with all the directions issued by the Board from time to time.
25. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.
26. The Board reserves its right to modify above conditions or stipulate any further conditions in the interest of environment protection.
27. This Order is issued to the industry without prejudice to the action taken by the Task Force of the Board.
28. This consent is hereby accorded subject to the policy of the Government regarding relocation of the industry including modernization and expansion thereof within Outer Ring Road (ORR) from time to time.

SCHEDULE - C
(See Rule 6(2))

(Conditions of Authorization for occupier or operator handling hazardous wastes)

1. The industry shall give top priority for waste minimization and cleaner production practices.
2. The industry shall not store hazardous waste for more than 90 days as per the Hazardous & other wastes (Management and Transboundary Movement) Rules, 2016.
3. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal.
4. The industry shall not dispose Waste oils to the traders and the same shall be disposed to the authorized Reprocessors/ Recyclers.
5. The industry shall dispose Used Lead Acid Batteries to the manufacturers / dealers on buyback basis.
6. The industry shall take necessary practical steps for prevention of oil spillages and carry over of oil from the premises.
7. The industry shall maintain 6 copy manifest system for transportation of waste generated and a copy shall be submitted to Board Office and concerned Regional Office.
8. The industry shall maintain good housekeeping & maintain proper records for Hazardous Wastes stated in Authorisation.
9. The industry shall maintain proper records for Hazardous Wastes stated in Authorisation in FORM-3 and file annual returns in Form- 4 Rules 6(5), 13(8), 16(6) and 20(2) as per of the Hazardous & other wastes (Management, Transboundary Movement) Rules, 2016.
10. The industry shall submit the condition wise compliance report of the conditions stipulated in Schedule B & C of this Order on half yearly basis to Board Office, Hyderabad and concerned Regional Office.
11. The industry shall dispose the e-waste to authorized recyclers / re-processors only.

To

M/s. Lonza India Pvt. Ltd,
Sy No's: 101P, 119, 120, 121P,
Plot No: 01, Sector specific SEZ for Biotechnology,
APIIC Biotech Park Phase -II, Genome Valley,
Lalgadi Malakpet (V), Shameerpet (M),
Rangareddy District.


JOINT CHIEF ENVIRONMENTAL ENGINEER