



**TELANGANA STATE POLLUTION CONTROL BOARD
ZONAL OFFICE: HYDERABAD**

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DESPATCHED
ON 22/09/2021

CONSENT ORDER FOR ESTABLISHMENT – RED CATEGORY

Order No. 1739–RR-II/TSPCB/ZO-HYD/TS-iPASS/CFE/2021- 379 Date:22.09.2021

Sub: TSPCB – ZOH – TS-iPASS - CONSENT FOR ESTABLISHMENT (CFE) – M/s. Dr. N.R.K. Bio-Tech Private Ltd., Plot No. 11, Part of Sy.No's. 230 to 243, Shapoorji Pallonji Bio-Tech Park, Phase-I, Turkapally(V), Shamirpet(M), Medchal-Malkajgiri District - Consent for Establishment of the Board under Sec.25 of Water (Prevention and Control of Pollution) Act, 1974 and under Sec.21 of Air (Prevention and Control of Pollution) Act, 1981 – **Issued – Reg.**

Ref:

1. Industry's submission of CFE received through TS-iPASS portal on 30.07.2021 at TSPCB, Regional Office, Medchal-Malkajgiri District.
2. TSPCB, Regional Office, Medchal-Malkajgiri District verification report dated: 02.07.2021 received by Zonal Office, Hyderabad on 02.07.2021.
3. CFE Committee meeting held on 25.08.2021 at TSPCB, Zonal Office, Hyderabad.
4. T.O. Lr. No. 1739–RR-II/TSPCB/ZO-HYD/TS-iPASS/CFE/2021-330, Dated:30.08.2021.
5. Industry's undertaking mail received from Regional Office, Medchal-Malkajgiri District on 03.09.2021.

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1. In the reference 1st cited, an application was submitted to the Board seeking Consent for Establishment (CFE) to setup facility as mentioned below, with an investment of **Rs.1500.0 Lakhs.**

Sl. No.	Name of the Products and By-products
1.	To provide Laboratory Space and related Services to the Tenant Companies to carry out their R&D and Pilot Plant activities consisting of Pre formulation studies, analytical method development, Validation, Stability studies, Support analysis, Release analytics, Pharma intermediates, Life Sciences and Health care related studies, Agritech in Biotechnology etc.

2. As per the application, the above activity is to be located at **Part of Sy.No's. 230 to 243, Shapoorji Pallonji Bio-Tech Park, Phase-I, Turkapally(V), Shamirpet(M), Medchal-Malkajgiri District.**
3. The above site was inspected by the Asst. Environmental Engineer-III, Regional Office, Medchal-Malkajgiri District, T.S. Pollution Control Board on 13.08.2021 and found that the industry is surrounded by **East:** M/s. Genome Labs Bio Pvt Ltd, **West:** Lalgadi Malakpet lake, **South:** Lalgadi Malakpet lake, **North:** Road followed by M/s.AMRI industries.
4. The Board, after careful scrutiny of the application, verification report of Regional Office, Medchal-Malkajgiri District, recommendation by the CFE Committee meeting held on **25.08.2021** at TSPCB, Zonal Office, Hyderabad, hereby issues **CONSENT FOR ESTABLISHMENT** to the industry, under Section 25 of Water (Prevention and Control of Pollution) Act, 1974 and under Section 21 of Air (Prevention and Control of Pollution) Act, 1981 and the rules made there under. This Order is issued to manufacture the products mentioned at para (I) only.

5. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.
6. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

  **JOINT CHIEF ENVIRONMENTAL ENGINEER**

Encl: Schedules "A & B".

To
M/s. Dr. N.R.K. Bio-Tech Private Ltd.,
Plot No. 11, Part of Sy.No's. 230 to 243,
Shapoorji Pallonji Bio-Tech Park,
Phase-I, Turkapally(V), Shamirpet(M),
Medchal-Malkajgiri District.
Email: gm@devienergies.com

Copy submitted to the Member Secretary, TSPCB, Board Office, Hyderabad for information.

Copy submitted to The General Manager, District Industries Centre, Near ORR, Keesara, Medchal- Malkajgiri District, Collectorate Complex, Hyderabad-500083.

Copy to the Environmental Engineer, TSPCB, Regional Office, Medchal-Malkajgiri District for information and necessary action.

SCHEDULE – A

1. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.
 - a. Industrial cooling.
 - b. Domestic purposes.
 - c. Processing whereby water gets polluted and pollutants are easily bio-degradable.
2. The industry shall provide a minimum stack height (H) to the DG sets as per the following formula.
$$H = h + 0.2 \text{ SQRT (KVA)}$$

KVA = Total generation capacity, h = Height of building where DG Set is installed.
3. The generator shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time measured from a distance of 5mtrs from the DG Set.
4. The industry shall install and commission appropriate control and ventilation system for controlling the air pollution.
5. The industry shall take appropriate measures to ensure that the ground level concentrations shall comply with revised National Ambient Quality Norms notified by MoE&F, GoI on 16.11.2009.
6. Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find their way in storm drains or open areas. The applicant shall maintain good house keeping both within the factory and in the premises. All pipe valves, sewers, and drains shall be leak proof.
7. The solid waste arising in the premises shall be properly collected and disposed off.
8. There shall not be any perceptible odour outside the industry's premises.
9. All the rules and regulations notified by Ministry of Environment and Forests, Govt. of India in respect of noise pollution control measures shall be followed to avoid nuisance to public.
10. The proponent shall take measures to comply with the provisions laid down under Noise pollution (Regulation and Control) Amendment Rules, 2010 dated 11.01.2010 issued by MoE&F, GoI to control the noise to the prescribed levels.
11. The applicant shall obtain Consents for operation regularly from TSPCB, as required Under Sec. 25/26 of the Water (P&C of P) Act, 1974 and Under Sec. 21/22 of the Air (P&C of P) Act, 1981, for operation of the industry, before starting trial production. The Consent for Operation will be accorded only after ensuring compliance of all the conditions stipulated in this order.
12. The applicant shall comply with and carryout conditions issued by the Board in this consent order scrupulously. The applicant is liable for legal action as per the provisions of the relevant Acts in case of non-compliance of any conditions of the consent order.
13. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec. 27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21 (4) of Air (Prevention and Control of Pollution) Act, 1981 to review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions for the purpose of the Act by the Board.
14. The applicant shall exhibit the consent of the Board in the factory premises at a conspicuous place for the information of the inspecting officers of different departments.
15. Telangana State Pollution Control Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions of this Order. Also the Board reserves the right to withdraw the CFE without any prejudice/ notice on receiving any complaints by the Board regarding Environmental Pollution problems caused by the industry.
16. 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.
17. Rain Water Harvesting (RWH) structure (s) shall be established on the plant site so that the ground water is recharged by the storm water.

18. The industry shall comply with Rules & Regulations notified by Ministry of Law and Justice, Govt. of India, regarding the Public Liability Insurance Act, 1991.
19. 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

1. This order is valid for a period of 5 years from the date of issue.
2. The proponent shall report progress on implementation of the project to this office and T.S. Pollution Control Board, Regional Office, Medchal-Malkajgiri District regularly.
3. **As committed vide undertaking letter dated:01.09.2021 that the facility shall not lease the premises to manufacture drugs & Pharmaceuticals in pilot plant as the same will attract provisions of EIA notification, 2006.**
4. The source of water is provided by HMWS & SB and the maximum permitted water consumption shall not exceed the following quantities:

S. No.	Purpose	Total Consumption (KLD)
1.	Process & Washing	12.0 KLD
2.	Softener regeneration	1.0 KLD
3.	Scrubber	1.0 KLD
4.	Gardening	6.0 KLD
5.	Domestic	30.0 KLD
	Total	50.0 KLD

5. The maximum waste water generation (KLD) shall not exceed the following:

S. No.	Wastewater generation	Total Generation (KLD)
1.	Process & Washing	12.0 KLD
2.	Softener regeneration	1.0 KLD
3.	Scrubber	1.0 KLD
4.	Domestic	24.0 KLD
	Total:	38.0 KLD

Effluent source	Standards to be complied	Mode of final disposal
Process & Washing (12.0 KLD)	Inlet parameters of CETP prescribed by the Board.	After pretreatment, shall be disposed to CETP, M/s. JETL, Jeedimetla Medchal-Malkajgiri District for further treatment and disposal.
Softener regeneration (1.0 KLD)		
Scrubber (1.0 KLD)		
Domestic (24.0 KLD)	pH - 5.5-9.00, Total Suspended Solids - 200.00 mg /l, Oil and Grease - 10.00 mg /l, Biochemical Oxygen Demand (3 days at 27 ⁰ C) - ≤10.00 mg /l.	Proposed to provide Sewage Treatment Plant (STP) of capacity 30 KLD. After treatment, the treated domestic wastewater is used for flushing and gardening.

6. **All the individual units to be facilitated in the facility have to obtain the permission from the Board separately and they shall not go for commercial production without permission of the Board.**
7. The facility shall accept process & washing effluents from the Resident companies only and shall not accept from the individual plots and shall maintain the records of the same.
8. The facility shall collect & store all the effluents in a tank on above the ground level & send the effluents to CETP i.e. M/s. JETL, Jeedimetla, Medchal-Malkajgiri for disposal and maintain the records of the same and submit to Regional Office every month.
9. The facility shall obtain membership with CETP, M/s. JETL, Jeedimetla, Medchal-Malkajgiri District for treatment and disposal of effluents generated by the industry.

10. The facility shall send the effluents to CETP i.e. M/s. JETL, Jeedimetla, Medchal-Malkajgiri District for further treatment and disposal.
11. The facility shall take the domestic effluents from the individual units to common STP of capacity 30 KLD provided by the facility by providing permanent line (shall not use flexible pipes). Daily records to be maintained by providing water meters for verification.
12. The facility shall provide enough capacity of STP treated wastewater storage tank to use for on-land application.
13. The facility shall provide digital flow meters with totalizer to the resident units for assessing the quantity of waste water disposed in to common effluent collection tank of the facility and shall maintain the register.
14. The facility shall provide fume extraction system followed by scrubber to collect and scrub all the fumes generated in the individual labs. Otherwise, the facility shall ensure that individual labs shall provide fume extraction system followed by scrubber to collect and scrub all the fumes generated from the respective labs.
15. The facility shall maintain the records of quantity of Solid Waste generated and quantity of solid waste received from various R&D units located in the facility and quantity of solid waste sent to TSDF, Dundigal, Medchal-Malkajgiri District & other Authorised agencies.
16. The facility shall store the Hazardous chemicals pertaining to the individual labs in the facility & take necessary safety precautions.
17. The facility shall comply with the following for controlling air pollution:

S.No.	Details of Stack	Stack 1	Stack 2
a)	Attached to	DG Set	DG Set
b)	Capacity	1500 KVA	1000 KVA
c)	Fuel	Diesel	Diesel
d)	Stack height from GL	$H = h + 0.2 (KVA)^{0.5}$ H = height of the stack from GL in mtrs. h = height of the building where DG set is installed, in mtrs.	
f)	Details of Air Pollution Control Equipment	Acoustic enclosures	
g)	Standards to be complied	SPM – 115 mg/Nm ³	

18. The Solid wastes generated shall not exceed the following breakup quantities:

S. No.	Name and of the Hazardous / Solid waste	Hazardous / as defined under HWM Rules, 2016	Quantity	Method of Disposal
1.	Used Silica gel	28.1 of Sch-I	0.3 TPM	Shall be disposed to HWMP-M/s. M/s. TSDF, Dundigal.
2.	Used & expired chemicals	28.5 of Sch-I	3.0 TPM	Shall be disposed to HWMP – M/s. TSDF, Dundigal / Authorized Recyclers.
3.	Spent Solvent	28.6 of Sch-I	45 KL/Month (Based on Tenant input)	Shall be send to Authorized recovery unit/ Reprocessors/Recycler.
4.	Used Glass ware, Containers and Container liners	33.1 of Sch-I	5 TPA	Shall be send to Authorized Recyclers/ Contaminated liners to authorized Incinerator.
5.	Used resins from Softener plant	35.2 of Sch-I	2.0 TPA	Shall be disposed to HWMP-M/s. TSDF, Dundigal.
6.	Used PPE	--	0.3 TPM	Shall be disposed to HWMP-M/s. TSDF, Dundigal.
7.	Organic residue	28.1 of Sch-I	3 TPM	Shall be disposed to HWMP-M/s. TSDF, Dundigal.

8.	ETP Sludge	35.3 of Sch-I	2 TPA	Shall be disposed to HWMP-M/s. TSDF, Dundigal.
9.	Municipal Solid waste	--	2 TPM	Shall be disposed to HIMSW-Jawaharnagar.
10.	E-Waste	--	100 Kg/year	Shall be send to Authorized E-Waste recycler.
11.	Waste Oil	5.1 of Sch-I	8 KL/Annum	Shall be disposed to Authorized recycler/ Reprocessors
12.	Used Lead Acid Batteries	--	4 No/Annum	Shall be disposed to Authorized Battery recycler
13.	Thermacol Waste	--	0.5 TPM	Shall be disposed to HWMP-M/s. TSDF, Dundigal.
14.	Process residue & Reject material	28.1 of Sch-I	1.0 TPM	Shall be disposed to HWMP-M/s. TSDF, Dundigal.
15.	Used Catalyst	28.2 of Sch-I	0.1 TPA	Shall be disposed to HWMP-M/s. TSDF, Dundigal.
16.	Biomedical Waste	--	20kg/Month	Shall be send to Authorized common biomedical waste treatment facility.
17.	Used Tissue papers/corrugated waste/aluminum foils	--	0.5 TPM	Shall be disposed to HIMSW-Jawaharnagar.
18.	STP Sludge	--	1 TPA	Shall be used as Manure.

19. The facility shall not store the hazardous waste more than 90 days from the date of generation of hazardous waste.
20. The facility shall not discharge any wastewater outside the premises under any circumstances.
21. The facility shall not dispose any solid waste outside the factory premises.
22. The industry shall not cause any air pollution/odour nuisance to the surrounding environment.
23. The facility 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.
24. The facility 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.
25. The facility shall not manufacture any extra products or extra capacities without obtaining CFE/CFO of the Board.
26. The facility shall not take up trial production without obtaining Consent for Operation of the Board.
27. Rain Water Harvesting (RWH) structure (s) shall be established on the plant site so that the ground water is recharged by the storm water.
28. The facility shall comply with Rules & Regulations notified by Ministry of Law and Justice, Govt. of India, regarding the Public Liability Insurance Act, 1991.
29. The following rules and regulations notified by the MoE&F, GoI shall be implemented.
 - a) Solid Waste Management Rules, 2016.
 - b) Construction and Demolition Waste Management Rules, 2016.
 - c) Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 & its amendments.
 - d) Batteries (Management & Handling) Amendment Rules, 2010 & its amendments.
 - e) E-Waste (Management) Rules, 2016.
 - f) Bio-Medical Waste Management Rules, 2016 & its amendments.
 - g) Plastic Waste Management Rules, 2016 & its amendments.

30. The facility shall comply with all the directions issued by the Board from time to time.
31. 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.
32. 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 environment protection.
33. This Order is issued to the facility without prejudice to the action taken by the Task Force of the Board.


JOINT CHIEF ENVIRONMENTAL ENGINEER

To
M/s. Dr. N.R.K. Bio-Tech Private Ltd.,
Plot No. 11, Part of Sy.No's. 230 to 243,
Shapoorji Pallonji Bio-Tech Park,
Phase-I, Turkapally (V), Shameerpet(M),
Medchal-Malkajgiri District.

