



TELANGANA STATE POLLUTION CONTROL BOARD
ZONAL OFFICE: HYDERABAD

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DESPATCHED
ON 03/12/2019

CONSENT ORDER FOR ESTABLISHMENT - RED CATEGORY

Order No. 1611-RR-II/TSPCB/ZO-HYD/TS-iPASS/CFE/2019 - 580 **Date: 03.12.2019**

Sub: TSPCB - ZOH - TS-iPASS - CONSENT FOR ESTABLISHMENT (CFE) - M/s. GV Research Centers Private Ltd., Plot No. 3, Sy.No. 542, Shapoorji Pallonji Bio-Tech Park, Phase-II, Kolthur (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 CFE application received through TS-iPASS online portal on 17.10.2019 at TSPCB, RO, Medchal- Malkajgiri District.
 2. TSPCB, RO, Medchal- Malkajgiri District verification report dated 30.10.2019 and received through mail by Zonal Office, Hyderabad on 30.10.2019.
 3. T.O. Lr. No. 1611-RR-II/TSPCB/ZO-HYD/TS-iPASS/CFE/2019-532, dt. 07.11.2019.
 4. Industry's undertaking dated: 08.11.2019 received on dated: 14.11.2019.
 5. CFE Committee meeting held on 15.11.2019 at TSPCB, Zonal Office, Hyderabad.

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1. In the reference 1st cited, an application was submitted to the Board seeking Consent for Establishment (CFE) to setup to provide basic infrastructure facility and lease to Life sciences, Pharmaceutical and formulation R & D companies including pilot plant facility to scale-up the product for clinical trials as mentioned below, with an investment of Rs. 6,690.72 Lakhs.

<i>Proposed Product</i>
To provide basic infrastructure facility and lease to Life sciences, Pharmaceutical and formulation R & D companies including pilot plant facility to scale-up the product for clinical trials (No Commercial Production)

2. As per the application, the above activity is to be located at Plot No. 3, Sy.No. 542, Shapoorji Pallonji Bio-Tech Park, Phase-II, Kolthur (V), Shamirpet (M), Medchal-Malkajgiri District.
3. The above site was inspected by the Environmental Engineer-II, Regional Office, Medchal-Malkajgiri District, T.S.Pollution Control Board on 25.10.2019 and found that the industry is surrounded by East: Internal park road, West: M/s. Biological E Ltd.; North: M/s. Unique Biotech; South: Open site/land.
4. The Board, after careful scrutiny of the application, verification report of Regional Office, Medchal-Malkajgiri District, and undertaking submitted by the industry, recommendation ratified by the CFE committee meeting held on 15.11.2019 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.

3/12/19
JOINT CHIEF ENVIRONMENTAL ENGINEER (FAC)

Encl: Schedules "A & B".

To
M/s. GV Research Centers Private Ltd.,
Plot No. 3, Sy.No. 542,
Shapoorji Pallonji Bio-Tech Park,
Phase-II, Kolihur (V), Shamirpet (M),
Medchal-Malkajgiri District.
Email: staranalyticalservices@gmail.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 dated: 04.11.2019, the industry shall comply with following points:
 - i. All the individual units to be facilitated in GV Research Centers Private Ltd., Plot No. 3, Sy.No. 542, Shapoorji Pallonji Bio-Tech Park, Phase-II, Kolthur (V), Shamirpet (M), Medchal-Malkajgiri District shall obtain the permission from the Board separately and they shall not go for commercial production.
 - ii. The facility and the individual units in the facility shall not involve any bulk drug manufacturing activities.
 - iii. The facility shall not lease the premises to manufacture drugs & Pharmaceuticals in pilot plant.
4. The facility shall not go for any commercial production without permission of the Board.
5. All the individual units to be facilitated in M/s. GV Research Centers Private Ltd., shall obtain the permission from the Board separately and they shall not go for commercial production.
6. The facility shall not provide pilot plant activity and shall not go for commercial production without permission of the Board.
7. 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	17.5 KLD
2.	Softner regeneration	1.0 KLD
3.	Scrubbers	2.5 KLD
4.	AHU Filter cleaning	0.5 KLD
5.	Floor cleaning	1.5 KLD
6.	Greebelt	20.0 KLD
7.	Domestic	45.0 KLD
	Total	88.0 KLD

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

S. No.	Wastewater generation	Total Generation (KLD)
1.	Process & Washing	17.5 KLD
2.	Softner regeneration	1.0 KLD
3.	Scrubbers	2.5 KLD
4.	AHU Filter cleaning	0.5 KLD
5.	Floor cleaning	1.5 KLD
6.	Domestic	36.0 KLD
	Total	59.0 KLD

Effluent source	Standards to be complied	Mode of final disposal
Process & Washing, Softner regeneration, Scrubbers, AHU Filter cleaning and Floor cleaning (23.0 KLD)	Inlet standards of CETP as prescribed by the Board	After Pre-treatment in facility of 30 KLD capacity, the effluents shall be sent to CETP, M/s. JETL for further treatment and safe disposal.
Domestic (36.0 KLD)	pH - 5.5-9.0, Total Suspended Solids - 200.0 mg /l, Oil & Grease - 10.0 mg /l, Biochemical Oxygen Demand (3 days at 27° C) - ≤ 10 mg/lit.	After Pre-treatment in Sewage Treatment Plant (STP), the treated effluents shall be used for toilet flushing and onland gardening within the premises duly meeting the prescribed standards.

9. The facility shall accept process & washing effluents from all the Resident companies only and shall maintain the records of the same.
10. The facility shall send the effluents after pretreatment to CETP i.e. M/s. JETL, Jeedimetla, Medchal-Malkajgiri District for further treatment and disposal after meeting inlet standards of CETP prescribed by the Board.
11. The facility shall collect & store all the effluents in a tank on above the ground level & send the pretreated effluents to CETP for disposal and maintain the records of the same and submit to R.O. & Z.O. of every month.
12. The facility shall take the domestic effluents from the individual units to common STP provided for further treatment. After treatment, the treated effluents shall be used for flushing and gardening within the premises duly meeting the prescribed standards. Daily records to be maintained by providing water meters for verification.
13. The facility shall provide enough capacity of STP treated wastewater storage tank to use for on-land application.
14. 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 park and shall maintain the register
15. 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.
16. The industry shall comply with the following for controlling air pollution:

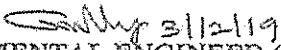
Sl. No.	Details of Stack	Stack I&2
a)	Attached to:	D.G Set
b)	Capacity of Boiler/ Furnace / Kiln/ Incinerator / D.G. set/ Others	2 x 2500 KVA
c)	Fuel form: Solid / Liquid/ gaseous	Diesel
d)	Stack height:	$H = h + 0.2 (KVA)^{0.5}$ H = height of the stack from GL in mtrs. h = height of the building where DG set is installed, in mtrs.
e)	Air Pollution Control Equipment	Acoustic Enclosures
f)	Standards to be complied	SPM - 115 mg/Nm ³

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

S. No.	Name of the Hazardous / Solid waste	Quantity	Hazardous / as defined under HWM Rules, 2016	Method of Disposal
1	Used Silica gel	0.5 TPM	--	Shall be disposed to M/s. HWMP (TSDF), Dundigal for further treatment and disposal / Authorized vendors / Co-processing.
2	Used & expired chemicals	3.5 TPM	28.5 of Sch-I	
3	Spent Solvent	70 KL/Month (Based on Tenant input)	28.6 of Sch-I	Shall be sent to Authorized recovery unit/ Reprocessers/Recycler.
4	Used Glass ware, Containers and Container liners	7 TPM	33.1 of Sch-I	Shall be sent to Authorized Recyclers/ Contaminated liners to authorized Incinerator.
5	Used resins from Softener plant	2.5 TPA	35.2 of Sch-I	Shall be disposed to M/s. HWMP (TSDF), Dundigal for further treatment and disposal / Authorized vendors / Co-processing.
6	Used PPE	0.5 TPM	--	
7	Organic residue	5 TPM	28.1 of Sch-I	
8	ETP Sludge	3 TPA	35.3 of Sch-I	
9	Municipal Solid waste	50TPA	--	Shall be sent to M/s. HIMSW-Jawaharnagar
10	E-Waste	250 Kg/year	--	Shall be sent to Authorized E-Waste recycler
11	Waste Oil	2 KL/Annum	5.1 of Sch-I	Shall be sent to Authorized recycler/Reprocessor.
12	Used Lead Acid Batteries	8 No/Annum	--	Shall be sent to Authorized Battery recycler.
13	Thermacol Waste	0.5 TPM	--	Shall be disposed to M/s. HWMP (TSDF), Dundigal for further treatment and disposal / Authorized vendors / Co-processing.
14	Process residue & Reject material	2.0 TPM	28.1 of Sch-I	
15	Used Catalyst	0.1 TPA	28.2 of Sch-I	Shall be sent to Authorized recycler/reprocessors/incineration.
16	Biomedical Waste	25 kg/Month from OHC	--	Shall be sent to authorized common biomedical waste treatment facility.
17	Used Tissue papers/corrugated waste/aluminum foils	1 TPM	--	Shall be sent to M/s. HIMSW-Jawaharnagar.

18. The facility shall maintain the records of quantity of Solid Waste generated and quantity of solid waste received from various R&D units and quantity of solid waste sent to TSDF, Dundigal, Medchal-Malkajgiri District.
19. The facility shall store the Hazardous chemicals pertaining to the individual labs in separate area & take necessary safety precautions.
20. The facility shall not store the hazardous waste more than 90 days from the date of generation of hazardous waste.
21. The facility shall not discharge any wastewater outside the premises under any circumstances.
22. The facility shall not dispose any solid waste outside the factory premises.
23. The facility shall develop extensive green belt with-in the premises. The facility shall maintain good housekeeping in the factory premises.
24. 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.
25. 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.

26. The industry shall not manufacture any extra products or extra capacities without obtaining CFE/CFO of the Board.
27. The industry shall not take up trial production without obtaining Consent for Operation of the Board.
28. 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.
29. The industry shall comply with Rules & Regulations notified by Ministry of Law and Justice, Govt. of India, regarding the Public Liability Insurance Act, 1991.
30. The industry 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 industry without prejudice to the action taken by the Task Force of the Board.


JOINT CHIEF ENVIRONMENTAL ENGINEER (FAC)

To
M/s. GV Research Centers Private Ltd.,
Plot No. 3, Sy.No. 542,
Shapoorji Pallonji Bio-Tech Park,
Phase-II, Kolthur (V), Shamirpet (M),
Medchal-Malkajgiri District.