

	TELANGANA STATE POLLUTION CONTROL BOARD PARYAVARAN BHAVAN, A - 3, INDUSTRIAL ESTATE, SANATHNAGAR, HYDERABAD - 500 018	Phone: 23887500 Fax: 040 – 23815631 Website: tspcb.cgg.gov.in
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CONSENT & HWA ORDER (PHASE- I & II)
RED CATEGORY

Consent Order No: 20234446120

16/08/2023

(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 and Authorisation / Renewal of Authorisation under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2016 & 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, 2008 (hereinafter referred to as 'the Acts', 'the Rules') and amendments thereof and the rules and orders made there under 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** (hereinafter referred to as 'the Applicant / Project') and the project is authorized to operate and to discharge the Effluents and the quantity of Emissions from the chimneys, by operating pollution control equipment, as detailed below,

i) Out lets for discharge of Effluents (Phase- I & II):

Outlet No.	Outlet Description	Max Daily Discharge (KLD)	Point of Disposal
1.	LTDS Effluents ((Process& Washing, Softener regeneration, Scrubbers, AHU Filter cleaning- 75 KLD, Floor cleaning & others – 5 KLD, Glassware cleaning – 20 KLD)	117	After pre-treatment shall be sent to JETL for treatment and disposal after meeting the standard stipulated at Schedule B
2.	Domestic	36	After treatment in STP of capacity 100 KLD, shall be used for toilet flushing, HVAC and onland for gardening duly meeting standards stipulated at Schedule-B.

ii) Emissions from chimneys(Phase-I):

Chimney No.	Source of Pollution
1	Attached to DG sets of capacity 2 x 2500 KVA

iii) HW Authorisation No: 20234446120

16/08/2023

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

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 is hereby granted an authorisation to operate a facility for collection, reception, storage, transport and disposal of the following wastes with quantities as below:

Hazardous wastes with disposal option (Phase-I & II) :

Sl. No.	Name of the Hazardous waste	Stream	Quantity	Disposal Option
1.	ETP sludge	35.3 of Schedule-I	3.5 TPM	Shall be disposed TSDF.
2.	Organic residue	28.1 of Schedule-I	8 TPM	

• Hazardous wastes with disposal / recycling option (Phase-I & II):

S. No.	Name of the Hazardous Waste	Stream	Quantity	Recycling option
1.	Used Silica gel	-	1 TPM	Shall be disposed to TSDF.
2.	Used & expired chemicals	28.5 of Schedule -I	8 TPA	
3.	Spent Solvent (Based on Tenant input)	28.6 of Schedule -I	130 KL/Annum	Shall be disposed to authorized recovery unit/ Re-processers/Recycler
4.	Used Glass ware, Containers and Container liners	33.1 of Schedule -I	10.0 TPA	To Authorized Recyclers/ Contaminated liners to authorized Incinerator
5.	Used resins from Softener plant	35.2 of Schedule -I	6.0 TPA	To HWMP- M/s. TSDF, Dundigal.
6.	Municipal Solid waste		250 Kg/day	Shall be sent to organic waste converter for biodegradable waste and other waste shall be sent to MSW disposal facility.
7.	E-Waste	--	240 Kg/annum	To Authorized E-Waste recycler
8.	Waste Oil	5.1 of Schedule -I	0.8 KL/annum	To Authorized recycler/Reprocessor
9.	Used Lead Acid Batteries	--	8 No/Annum	To Authorized Battery recycler
10.	Thermacol Waste	--	1.0 TPM	To HWMP- M/s. TSDF, Dundigal.

11.	Process residue & Reject material	28.1 of Schedule -I	2.0 TPM	
12.	Used Catalyst	28.2 of Schedule -I	0.1 TPA	To Authorized recycler/reprocessors/incineration
13.	Biomedical Waste (from OHC)	--	30 kg/Month	To Authorized common biomedical waste treatment facility.
14.	Used Tissue papers/corrugated waste /aluminum foils	--	2.0 TPM	To HIMSW- Jawaharnagar
15.	STP Sludge	--	1.1 TPA	Used as manure
16.	Off-Specification products, date expired products, filter and filter materials	--	6.0 TPM	To HWMP- M/s. TSDF, Dundigal.

This Consent Order is valid for the activity (Phase-I & Phase-II) as mentioned below only:

	Building Number	No. of Floors	BUA in Sq.m as per Proposed CFO Phase 1	BUA in Sq.m as per Proposed CFO Phase 2 in Sq meters	Total for Phase-I Phase- II
1. 1.	4545& 2727	Ground Floor	2441.5	2441.5	4883
		First Floor	2253.0	2253.0	4506
		Second Floor	2253.0	2253.0	4506
		Third Floor	2253.0	2253.0	4506
		Head Room	450.6	450.6	901.2
		Total Area	9651.10	9651.10	19302.3
2. 2.	3600 (part of the buildings)	Ground Floor	561.91	---	561.91
		First Floor			
		Second Floor			
		Head Room			
		Total Area	561.91		561.91
3. 3.	5600 E	Ground Floor	339.0		339.0

		First Floor	339.0		339.0
		Second Floor	339.0		339.0
		Head Room	50.85		50.85
		Total Area	1,067.85		1,067.85
4. 4.	5600 C	Ground Floor	209.0		209.0
		First Floor	209.0		209.0
		Second Floor	209.0		209.0
		Head Room	31.35		31.35
		Total Area	658.35		658.35
5.	Parking Facility	Basement -1	--	5412.44	5412.44
		Basement -1	--	5412.44	5412.44
	Total Built Up Area		11,939.21	20,475.98	32,415.19

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

This order of Consent & Hazardous Waste Authorisation is valid for a period upto 29.02.2028

KRISHNA ADITYA

SRIRAMSETTI, MS(KAS), O/o MEMBER SECRETARY-TSPCB

MEMBER SECRETARY

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


SENIOR ENVIRONMENTAL ENGINEER
Telangana State Pollution Control Board,
Paryavaran Bhavan, A-3, Industrial Estate,
Sanathnagar, Hyderabad-500 018.

SCHEDULE – A

1. The applicant should make application through online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules **at least 120 days before the date of expiry of this order**, along with prescribed fee under Water and Air Acts for obtaining Consent & HW Authorization of the Board.
2. This order is issued in line with **CFE order dt. 03.12.2019 & CFE (expansion) order dt.07.10.2021**. 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. The industry shall comply with **CFE order dt. 03.12.2019 & CFE (expansion) order dt. 07.10.2021** is still applicable.
3. The project occupier should immediately submit the revised application for consent to this Board in the event of any change in the building and site specifications, quantity of trade effluents & quantity of emissions etc.
4. The applicant should not change or alter either the quality or the quantity or the rate of the discharge or the route of discharge and should not change or alter either the prescribed quality or the rate of emission without the previous written permission of the Board.
5. The applicant should, 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 should be stopped.
6. Any up-set condition in the project, which results 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 should 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 5 above, the project should take immediate action to bring down the discharge / emission below the limits prescribed in this order.
8. A good housekeeping should be maintained in the premises. All hoods, pipes, valves, sewers and drains should be leak proof. Floor washings should be admitted into the effluent collection system only and should not be allowed to find their way into storm drains or open areas.
9. a) The project should 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 project should maintain following records for access to the Board, whenever required.

1. Analysis reports of waste water/ emissions.
2. Log book for operation of pollution control systems.
3. Inspection book
4. Separate power connection with energy meter should be provided for the Pollution Control Equipments and record of power consumption and chemicals consumption for the operation of pollution control equipment should be maintained separately.

5. The applicant should comply with the directives/orders issued by the Board in this order and at all subsequent times without any negligence on his part. The applicant should be liable for such legal action against him as per provisions of the Law/Act in case of non-compliance of any order/directive issued at any time and/or violation of the terms and conditions of this consent order.
12. The project is liable to pay compensation for any environmental damage caused by it, as fixed by the Collector and District Magistrate as Civil liability.
13. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed.
14. The occupier should educate the workers and nearby public of possible accidents and remedial measures.
15. The project should comply with the provisions of Batteries (Management & Handling) Rules, 2001.
16. The project should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate. The first sign board should provide information on specific conditions of CFO and Hazardous Waste Authorisation. The second sign board should display waste water, air emissions and solid waste generated within the factory premises.
17. The applicant should exhibit the Consent & HW Authorisation order of the Board in the factory premises at a prominent place for the information of the inspecting officers of the different departments.
18. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves 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.

SCHEDULE - B

1. The Board issued CFO & HWA vide order dated 14.03.2022 stands cancelled.
2. Total Water Consumption shall not exceed 192 KLD for (Phase I & II).

S. No.	Purpose	Quantity in KLD
1.	Process & Washing	75
2.	Softener regeneration	
3.	Scrubbers	
4.	AHU Filter cleaning	
5.	Floor cleaning & others	7.0
6.	Glassware cleaning	35
7.	Greenbelt	30.0
8.	Domestic	45.0
	Total	192 (Fresh – 156.0 KLD, recycled – 36 KLD)

3. The pre-treated effluents sending to CETP should not contain constituents in excess of the tolerance limits mentioned below.

Outlet No.	Parameter	Limiting Standards
2	pH	5.5 – 9.0
	Temperature °C	45.0
	Total Dissolved Solids (Inorganic)	5,000 mg/l
	Oil and Grease	20 mg/l
	Phenolic Compounds (as C ₆ H ₅ OH)	5 mg/l
	Ammonical Nitrogen (as N)	50 mg/l
	Cyanide (as CN)	2 mg/l
	Chromium Hexavalent (as Cr ⁺⁶)	2 mg/l
	Chromium (total) (as Cr)	2 mg/l
	Copper (as Cu)	3 mg/l
	Lead (as Pb)	1 mg/l
	Nickel (as Ni)	3 mg/l
	Zinc (as Zn)	15 mg/l
	Arsenic (as As)	0.2 mg/l
	Mercury (as Hg)	0.01 mg/l
	Cadmium (as Cd)	1 mg/l
	Selenium (as Se)	0.05 mg/l
	Fluoride (as F)	15 mg/l
	Boron (as B)	2 mg/l
	COD	15,000 mg/l
3	pH	5.5 – 9.0
	Oil & Grease	10 mg/l
	Biochemical Oxygen Demand (BOD)	≤10 mg/l
	Chemical Oxygen Demand (COD)	250 mg/l
	Ammonical Nitrogen	50 mg/l
	Arsenic	0.2 mg/l
	Mercury	0.01 mg/l
	Lead	1.0 mg/l
	Cadmium	1.0 mg/l
	Hexavalent Chromium	2.0 mg/l
	Total Chromium	2.0 mg/l
	Zinc	15 mg/l
	Copper	3.0 mg/l
	Turbidity NTU	≤ 2 mg/l
	E.coli (MPN count /100 ml)	None
	Residual chlorine	Preferably in the range of 1 mg/l – 3 mg/l

4. The effluent with dissolved solids (inorganic) less than 5000 mg/l shall be sent to CETP of M/s. JETL, Jeedimetla after pre-treatment.

5. The Emission shall not exceed the following prescribed standards.

Chimney No.	Description of Chimney	Parameter	Emission standards
1	Attached to DG sets of capacity 2 x 2500 KVA	SPM	115 mg/Nm ³

6. The project shall not carryout any new activity without obtaining prior Consent for Establishment (CFE) and Consent for Operation (CFO) of the Board.
7. The project should comply with emission limits for DG sets upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets more than 800 KW should comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.
8. The project shall comply with Noise level Standards as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.

Noise Levels: Day time - (6 AM to 10 PM) - 55 dB (A)
Night time - (10 PM to 6 AM) - 45 dB (A).

9. The project has paid fee of Rs. 3,78,000 /- under Red Category for a period upto 29.02.2025
10. The industry shall pay balance consent fee annually as per rates notified in G.O.Ms.No.22. The payment of annual consent fee shall be made at the concerned RO for every financial year (i.e., April to March) within the stipulated time period i.e., 1st quarter of every financial year (April to June) is mandatory for the industry / project, failing which, the validity of the Consent Order automatically stands cancelled and operation industry / project without valid consent attracts penal action under the provision of Water Act, Air Act & Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
11. The project either paying annual fee or total fee for Consented period, shall pay the balance fee as per the revised rates as applicable from time to time.
12. The Builder / Developer of the project shall be responsible for obtaining renewal of CFO & HWA of the Board under Water & Air Acts and HWA Rules and compliance of the conditions stipulated in the consent order.
13. All the individual units to be facilitated in GV Research Centers Private Ltd., located at Plot No. 3, Sy.No.542, Shapoorji Pallonji Bio-Tech Park, Phase-II, Kolthur (V), Shamirpet (M), Medchal-Malkajgiri District shall obtain CFE & CFO of the Board separately and they shall not go for commercial production.
14. The facility and the individual units in the facility shall not involve in manufacture of drugs & pharmaceuticals.
15. The facility shall not lease the premises to manufacture drugs & pharmaceuticals in pilot plant.
16. The Project shall maintain separate water meters for recording water consumption for various purposes and also maintain proper daily records.
17. The industry shall maintain digital flow meters with totalisers (RS-485 communication) for recording the quantity of LTDS effluent sent to JETL and also maintain daily records. They shall connect the flow totaliser data to TSPCB server.
18. The Project shall operate STP for treatment of domestic effluent. The treated domestic effluent shall be recycled for Toilet flushing and Gardening purpose and the project shall comply with recyclable waste water standards ($BOD \leq 10$ mg/l).
19. The Project shall maintain flow meters at inlet and outlet of STP and maintain log book for operation of STP.
20. The project shall install and maintain CO sensors provided in the basement to monitor CO levels and maintain records.
21. The industry shall maintain elevated platform with leachate/spillages collection pit to store drums containing chemicals & wastes to control spillages / discharges of chemicals / effluents on ground.
22. The industry shall maintain IP camera with PAN, TILT Zoom, 5x or above focal

- length, with night vision capability at effluent collection system (HTDS & LTDS). They shall connect the data to TSPCB server.
23. The industry shall provide and operate IP Camera with PAN, Zoom, 5x or above focal length, with night vision capability, at main gate entrance & at other gates where there is movement of effluent tankers, Solvent tankers, Chemical tankers, Hazardous Waste carrying vehicles & other material carrying vehicles. These cameras shall be connected to the website of TSPCB, with minimum backup of three months.
 24. The industry shall collect the effluent in the above ground level lined collection tank, and neutralization tank and neutralize the effluents. The trade effluents after pre-treatment should be lifted to JETL, Jeedimetla duly confirming to the inlet standards of JETL, Jeedimetla.
 25. The industry shall maintain records for generation of process, washings effluents (HTDS), cooling bleedoff, boiler blow down/ regeneration & domestic effluents (LTDS) and disposed, on daily basis and submit monthly report to RO, RR-II.
 26. The evaporation losses in solvents shall be controlled by taking all preventive measures such as circulation of Chilled brine, transfer of solvents by using pumps instead of manual handling, closed centrifuges, providing primary & secondary condensers to all the reactor vents and all the solvent storage tanks and keeping solvent storage in ground storage tanks with closed pipeline to Reactors. Solvents shall be recovered to the maximum extent possible and shall be reused.
 27. There should not be any spillages / discharges of chemicals / effluents on ground. The drums containing chemicals & wastes should be stored on elevated platform provided with leachate/spillages collection pit. In no case the drums should be stored on naked ground. The industry should provide dyke walls for storage tanks / areas to contain the spillages.
 28. The project shall maintain Organic waste converter of capacity 350 Kg/day regularly for treatment and disposal of 100 % bio-degradable waste as per SWM Rules and maintain records of waste converter operations & disposal of compost generated.
 29. The project shall maintain solar energy panels of 60 kwp capacity to utilize for lighting in garden area street lighting and common area.
 30. The Project shall maintain green belt as per the norms.
 31. The industry shall maintain the following records and the same shall be made available to the Board Officials during the inspection.
 - ii. Quantity of Effluents generated and disposed to M/s. JETL.
 - iii. Log Books for pollution control systems.
 - iv. Daily solid waste generated and disposed
 - i. Daily production details.
 32. As per G.O.Rt.No.286, the industry shall transport the industrial effluents and plying on the roads is allowed between 6 A.M. to 6 P.M. only.
 33. The industry shall maintain concreted internal roads by cleaning regularly to avoid fugitive emissions due to vehicular movement.
 34. The project should not cause any stagnation of wastewater / solid waste in the surroundings.
 35. The project should maintain adequate Rain Water Harvesting (RWH) structures within the premises.
 36. The Storm water management plan should be designed in such a manner that the storm water is discharged through an existing dedicated Storm water outfall only. The design should confirm to the existing drainage scheme of the surrounding locality.
 37. Noise barriers should be provided at appropriate locations so as to ensure that the noise levels do not exceed the prescribed standards. DG sets should be provided with necessary acoustic enclosures as per Central Pollution Control Board norms.
 38. The plastic wastes should be segregated and disposed through recyclers.
 39. The Solid wastes shall be properly disposed / used to avoid pollution problems.
 40. The Solid wastes shall be properly disposed / used to avoid pollution problems. The Bio-degradable waste shall be processed, treated and disposed off through

composting or bio-methonisation within the premises as far as possible as per the Rule 4 (7) of Solid Waste Management Rules, 2016.

- 41.The project shall dispose the e-Waste to the authorized recyclers and file annual returns in Form-3 on e-Waste generation and disposal to the Board on or before 30th day of June following the financial year to which the return relates as per e-Waste Management Rules, 2016.
- 42.All the Construction & Demolition Waste generated shall be disposed off to the authorized recyclers as per Construction and Demolition Waste Management Rules, 2016. In no case, the project shall indulge in dumping of Construction and Demolition waste illegally.
- 43.The applicant shall submit Environment statement in Form V to the Regional office before 30th September of every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
- 44.The conditions stipulated in this order are without any prejudice to rights and contentions of this Board in any Hon'ble court of Law.

SCHEDULE - C

[see rule 6(2)]

**[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING
HAZARDOUS WASTES]**

1. The construction project should give top priority for waste minimization and cleaner production practices.
2. The project should not store hazardous waste for more than 180 days as per the Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 and amendments thereof.
3. The project should store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal.
4. The project should not dispose Waste oils to the traders and the same should be disposed to the authorized Reprocessors/ Recyclers.
5. The project should dispose Used Lead Acid Batteries to the manufacturers / dealers on buyback basis.
6. The project should take necessary practical steps for prevention of oil spillages and carryover of oil from the premises.
7. The project should maintain good housekeeping & maintain proper records for Hazardous Wastes stated in Authorisation.
8. The project should dispose the e-waste to authorised recyclers / reprocessors only.
9. The project should 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.

Signed by Krishna Aditya

Sriram Krishna Aditya

Date: 16/08/2023, 06:58:42

Rem: MEMBER SECRETARY TSPCB

MEMBER SECRETARY

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

SENIOR ENVIRONMENTAL ENGINEER

Telangana State Pollution Control Board,
Paryavaran Bhavan, A-3, Industrial Estate,
Sanathnagar Hyderabad 500 002