STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:May 12, 2017

To,
Mr. Pradip Yelave
at D - 122

Subject: Environment Clearance for Proposed Greenfield project of R&D, Pilot plant for food and non-food additives

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its Meeting Number 111th meetings.

2. It is noted that the proposal is considered by SEAC-I under screening category 5 (f) as per EIA Notification 2006.

Brief Information of the project submitted by you is as below :-

1.Name of Project	Privi Biotechnologies Private Limited
2.Type of institution	Private
3.Name of Project Proponent	Mr. Pradip Yelave
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	D - 122
9.Taluka	Thane
10.Village	Nerul
11.Whether in Corporation / Municipal / other area	Navi Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 1104
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	2100 Sq.m.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**FSI area (sq. m.):** Not applicable
	Non FSI area (sq. m.): Not applicable
	Total BUA area (sq. m.): Not applicable
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	Not applicable

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	130000000

22.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Flavors & fragrances like a. Vanillin b. Flavor esters	NA	20 kg/batch	20 kg/batch
2	Food additives and nutraceuticals like a. Xylitol b. Fatty Acids c. Mono & diglycerides etc.	NA	50 kg/batch	50 kg/batch
3	Biopolymers	NA	50 kg/batch	50 kg/batch

23.Total Water Requirement

Dry season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	4	4	0	1	1	0	3	3
Industrial Process	0	9	9	0	1	1	0	8	8
Cooling tower & thermopack	0	76.2	76.2	0	71(29 CMD)	71(29 CMD)	0	5.20	5.20
Gardening	0	4	4	0	4	4	0	0	0
Fresh water requirement	0	93.2	93.2	0	77	77	0	16.2	16.2

25.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Not Applicable
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable

26.Storm water drainage	**Natural water drainage pattern:**	Proper and separate storm water drains available, as per natural slope
	Quantity of storm water:	Not Applicable
	Size of SWD:	Not Applicable

27.Sewage and Waste water	**Sewage generation in KLD:**	3 KLD
	STP technology:	treat in combine ETP
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	E -waste
	Wet waste:	Empty barrels, bottles and containers Solid waste from process Solid waste from con. technique Solid adsorbent resins
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	Not Applicable
	Wet waste:	Send to MWML and Sold to authorized recyclers
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Building Area
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	1104 Sq. Mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	5.5 Cr.
	O & M cost:	Not Applicable

29.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6-7	6-7	6 - 9
2	COD	mg/lit	4500 - 7500	200 - 250	< 250
3	BOD	mg/lit	1500 - 3500	80 - 100	< 100
4	TDS	mg/lit	5000 - 7000	5000 - 7000	< 2100
5	TSS	mg/lit	80 - 120	10 - 20	< 100

Amount of effluent generation (CMD):	16.20 CMD
Capacity of the ETP:	21 CMD
Amount of treated effluent recycled :	45 CMD
Amount of water send to the CETP:	Its Zero Liquid Discharge
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Liquid effluents will be treated in effluent treatment plant of capacity 21 CMD, fed to RO and evaporator to achieve Zero Liquid Discharge (ZLD)
Disposal of the ETP sludge	Not Applicable

30.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Empty barrels, bottles and containers	NA	Nos. / year	NA	500	500	Sold to authorized recyclers
2	E -waste	NA	Kg / year	NA	100	100	Sold to authorized recyclers
3	Solid waste from process	NA	Kg / year	NA	7200	7200	Used as manure / send to authorized recyclers
4	Solid waste from con. technique	NA	Kg / year	NA	3000	3000	Send to MWML, Taloja
5	Solid adsorbent resins	NA	Kg / year	NA	800	800	Send to incineration

31.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (Non IBR) Kg/hr	CNG = 109.68 SCM/hr or FO = 96.26 Kg/hr or LDO = 86.23 Kg/hr	1	30	0.40	275 deg. cel.
2	Thermic Fluid Heater (Non IBR)	CNG= 6.68 SCM/hr, LDO = 6 Kg/hr, Biofuel = 6 Kg/hr	1	30	0.40	275 deg. cel.
3	DG KVA	LDO = 60 Kg/hr	1	3.5	0.40	150 deg. cel.

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	CNG or	00	109.68 SCM/hr	109.68 SCM/hr
2	FO or	00	90.26 Kg/hr	90.26 Kg/hr
3	LDO	00	86.23 Kg/hr	86.23 Kg/hr
4	LDO for DG set	00	60 Kg/hr	60 Kg/hr
Source of Fuel		From market/ out Sider fuel companies		
Mode of Transportation of fuel to site		By Road		

33.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	427 KW
	During Operation phase (Demand load):	382 KW
	Transformer:	500 KVA
	DG set as Power back-up during operation phase:	315 KVA
	Fuel used:	LDO
	Details of high tension line passing through the plot if any:	NA

34.Energy saving by non-conventional method:

NA

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Boiler (1500 kg/hr.)	NA	Stack of 30 m. height
Thermopack (50,000 kcal/hr.)	NA	Stack of 30 m. height
D G Set (315 KVA)	NA	Stack of 3.5 m height, acoustic enclosure

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	NA	NA	NA

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	Stack	2.00	0.14
2	Water Pollution control	ETP, MEE & RO	102.00	12.00
3	Noise pollution control, Env. Monitoring	Acostic enclosure to 325 KVA D G set	1.8	3.4
4	Occupational health	First aid rooms	7.60	2.0
5	Green belt	Green belt development	2.00	0.30
6	Non-hazardous waste storage & Disposal	Transport and disposal	0.20	23.00
7	Hazardous waste storage & disposal	Transport and disposal	2.00	4.60
8	CSR activity	Education, healthcare, infrastructure development	NA	35.00

39.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Alcohol water	Liquid	Barrel	5000 kg	5000 kg	840 kg/batch	Local	By Road
Sulfuric acid (30 %)	Liquid	Barrel	200 kg	200 kg	11.5 (70%) kg/batch	Local	By Road
Nitric Acid (70%)	Liquid	Barrel	200 kg	200 kg	11.5 (70%) kg/batch	Local	By Road
Hydrochloric acid	Liquid	Barrel	200 kg	200 kg	11.5 (70%) kg/batch	Local	By Road
Sodium Hydroxide	Liquid	Barrel	500 kg	500 kg	32 kg/batch	Local	By Road
Sodium carbonate	Liquid	Barrel	500 kg	500 kg	32 kg/batch	Local	By Road

Potassium hydroxide	Liquid	Barrel	500 kg	500 kg	32 kg/batch	Local	By Road

40.Any Other Information

No Information Available

	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	5 (f)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	25-08-2016

3. The proposal has been considered by SEIAA in its Meeting Number 111th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

General Conditions:

I	(i)PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
II	73 TPH boiler should have stack height of 68m and flue gases shall be passed through an ESP of 99.9% efficiency before being led into the 68 m stack.
III	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
IV	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
V	Proper Housekeeping programmers shall be implemented.
VI	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.
VII	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
VIII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
IX	Arrangement shall be made that effluent and storm water does not get mixed.
X	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
XI	Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
XII	The overall noise levels in and around the plant are 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 ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
XIII	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
XIV	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
XV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
XVI	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
XVII	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
XVIII	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
XIX	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

XX	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
XXI	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in
XXII	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
XXIII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
XXIV	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, NOx (ambient levels as well as stack emissions) or critical sectorai parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
XXV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
XXVI	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune),New Administrative Building, 1stFloor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

1. SECRETARY MOEF & CC
2. IA- DIVISION MOEF & CC
3. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
4. REGIONAL OFFICE MOEF & CC NAGPUR
5. MUNICIPAL COMMISSIONER THANE
6. MUNICIPAL COMMISSIONER BHIVANDI-NIZAMPUR
7. MUNICIPAL COMMISSIONER KALYAN-DOMBIVALI
8. REGIONAL OFFICE MPCB KALYAN
9. REGIONAL OFFICE MPCB THANE
10. REGIONAL OFFICE MIDC AMBERNATH
11. REGIONAL OFFICE MIDC THANE
12. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
13. COLLECTOR OFFICE THANE

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

Unique Application Number	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000051843	12-01-2023

PART A

Company Information

Company Name	***Application UAN number***
PRIVI BIOTECHNOLOGIES PRIVATE LIMITED	100017165000

Address

PLOT D122 TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, NERUL, NAVI MUMBAI, DIST. THANE-400706

Plot no	***Taluka***	***Village***
D122	THANE	NERUL
Capital Investment (In lakhs)	***Scale***	***City***
3900	LSI	NAVI MUMBAI
Pincode	***Person Name***	***Designation***
400706	PRADIP YELAVE	ASSISTANT GENERAL MANAGER
Telephone Number	***Fax Number***	***Email***
9930262718	0	pradip.yelave@privibiotech.in
Region	***Industry Category***	***Industry Type***
SRO-Navi Mumbai I	Red	R22 Organic Chemicals manufacturing
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
no	FORMAT1.0/AS(T)/UAN NO. 0000004943/2104000021	2021-04-28
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
2022-11-30	2017	Sep 30 2021 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Flavors & Fragrances Like-a) Vanillin (b) Flavor Esters	20	15	
Food Additives and nutraceuticals like-(a) Xylitol (b) Fatty Acids (c) Mono & diglycerides etc	50	37	
Biopolymers	50	22	
Research & Development for- Development of Marine algae like-(a) Microalgae (chlorella,Dunali ela) (b) Macroalgae or Seaweed (e.g. Kappaphycus, Ulva, Gracilaria ETC.	0	0	

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
NA	0	0	

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	8.00	4.00
Cooling	76.20	35.00
Domestic	4.00	3.00
All others	0.50	0.50
Total	88.70	42.50

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
TRADE EFFLUENT	13.7	7.2	CMD
DOMESTIC EFFLUENT	3	1.8	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Flavors & Fragrances Like-a) Vanillin (b) Flavor Esters	0	1	CMD
Food Additives and nutraceuticals like-(a) Xylitol (b) Fatty Acids (c) Mono & diglycerides etc	0	2.5	CMD
Biopolymers	0	0.5	CMD
Research & Development for- Development of Marine algae like-(a) Microalgae (chlorella,Dunali ela) (b) Macroalgae or Seaweed (e.g. Kappaphycus, Ulva, Gracilaria etc.)	0	0	CMD

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Dry secondary agro bio waste	0	70	
Aqueous alcohol, ester solution	0	400	

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
PNG	78912	37440	M3/Month

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
PH	9.5	6.8	100	100	100

COD	250	80	100	100	100

[B] Air (Stack)

Pollutants Detail	***Quantity of Pollutants discharged (kL/day)***	***Concentration of Pollutants discharged(Mg/NM3)***	***Percentage of variation from prescribed standards with reasons***		
	Quantity	***Concentration***	***%variation***	***Standard***	***Reason***
NA	0	0	0	0	0

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
28.1 Process Residue and wastes	0	200	Kg/Annum
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	0	24	Nos./Y
35.3 Chemical sludge from waste water treatment	0	72	Kg/Annum

2) From Pollution Control Facilities

Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
0	0	0	

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
CANTEEN WASTE	0	1	MT/A
Packing wastes/Office waste	0	0.3	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
NA	0	0	Kg
NA	0	0	Kg

3) Quantity Recycled or Re-utilized within the unit

Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
0	0	0	Kg
0	0	0	Kg

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	***Qty of Hazardous Waste***	***UOM***	***Concentration of Hazardous Waste***
0	0		0

2) Solid Waste

Type of Solid Waste Generated	*Qty of Solid Waste*	*UOM*	*Concentration of Solid Waste*
NA	0	Kg	0
NA	0	Kg	0

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	*Reduction in Water Consumption (M3/day)*	*Reduction in Fuel & Solvent Consumption (KL/day)*	*Reduction in Raw Material (Kg)*	*Reduction in Power Consumption (KWH)*	*Capital Investment(in Lacs)*	*Reduction in Maintenance(in Lacs)*
NA	0	0	0	0	0	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	*Environmental Protection Measures*	*Capital Investment (Lacks)*
ETP	0	15

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	*Environmental Protection Measures*	*Capital Investment (Lacks)*
ETP	0	20

Part-I

Any other particulars for improving the quality of the environment.

Particulars

PRIVI BIOTECHNOLOGIES PRIVATE LIMITED

Name & Designation

PRADIP YELAVE (ASSISTANT GENERAL MANAGER)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000051843

Submitted On:

12-01-2023

PRIVI BIOTECHNOLOGIES PVT. LTD.

March 10, 2023

To,
Deputy Director General of Forests (Central),
West Central Zone,
Regional Office,
New Secretariat Building, Opp. VCA Ground,
Civil Lines, Nagpur-440001.

Subject: Proposed Greenfield project of R&D, Pilot plant for food and non-food additives at plot No. D-122, TTC industrial area, Thane – Belapur Road, Nerul, Navi Mumbai, Maharashtra by Privi Biotechnologies Private Limited – Submission of the consolidated EC compliance report from period September 2017 till September 2022 –Reg.

Ref: Environmental Clearance letter no. SEAC- EC– 0000000128 dated May 12, 2017 granted by SEIAA, Govt. of Maharashtra.

Dear Sir,

We have received the Environment Clearance from State Environment Impact Assessment Authority (SEIAA), Government of Maharashtra on May 12, 2017 for our project as captioned in the subject.

We are pleased to submit the consolidated six monthly compliance report for the period from September 2017– September 2022.

With this reference we wish to submit the details required as below:

1. Current status of Project.
2. Point wise compliance to stipulation as laid down by ministry.
3. Consent to Operate
4. Environmental Monitoring Reports

We hope you will find same in line with your requirements.

Thanking You,

For Privi Biotechnologies Private Limited

Authorized Signatory

1. Status of project:

- We have taken First Consent to establish (CTE) on 25/01/2017 for Greenfield project of R&D, Pilot plant for food and non-food additives only from MPCB and first Consent to Operate (CTO) was obtained on Format 1.0/BO/AST/UAN No.0000032350/O/CC-1712001142 Dated 29/12/2017 valid up to 30/11/2022.
- We have taken amendment in existing CTO with No. Format 1.0/AS (T)/UAN No.0000004943/2104000021 dated 28/04/2021 valid upto 30/11/2022.
- Copies of EC, CTE, CTO are enclosed as an **Annexure – I.**

2. Point by point comment on Environment Clearance letter

Sr. No.	Terms and conditions in EC	Compliance
General Conditions		
1	PP to achieve Zero Liquid Discharge; PP shall ensure that there is no increase in the effluent load to CETP.	The unit is Zero Liquid Discharge unit. Liquid effluents will be treated in ETP of capacity 21 CMD, fed to RO and single effect evaporator to achieve Zero Liquid Discharge (ZLD). The condition of the increase in the effluent load to the CETP is not applicable since it is a ZLD plant.
2	73 TPH boiler should have stack height of 68m and flue gases shall be passed through an ESP of 99.9% efficiency before being led into the 68 m stack.	We don't have boiler of 73 TPH and hence the stack height of 68 m is not applicable for us. We have PNG fired 1 TPH capacity boiler and we have provided adequate stack height of 30 m for boiler.
3	No additional land shall be used acquired for any activity of the project without obtaining proper permission.	No additional land was required, Project has been developed on land in Notified Industrial Area i.e, TTC MIDC. Industry assures that no additional land was used or acquired for any activity prior obtaining obligatory permissions.
4	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.	We are taking all the precautions of the health & safety of the people working in the unit to protects the environment. Also various PPEs such as safety goggles, splash protection goggles, face shield, airline respirator among others are provided to the personnel working in the premises of the factory. Mock drills are regularly conducted at six months interval.
5	Proper House–keeping shall be implemented.	Housekeeping program is implemented regularly.
6	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.	All the Pollution Control Systems are operated and maintained well but in case of any emergencies, Industry will put off the unit and will not restart the unit until the desired efficiency has been achieved.

7	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).	A stack of 3.5 m height above ground based on DG set capacity of 315 KVA has been provided for control and dispersion of pollutant from DG set.
8	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Rainwater Harvesting is implemented at the site.
9	Arrangement shall be made that effluent and storm water does not get mixed.	Separate Storm water drains are provided as per natural slope. Effluent and storm water does not get mixed.
10	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.	Bore wells are not allowed as the plot is in notified MIDC area, hence periodic monitoring of ground water is not carried out.
11	Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.	Noise levels are maintained as per standards by implementing various control measures. Proper PPEs are provided for people working in high noise areas.
12	The overall noise levels in and around the plant are 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 ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.	The ambient noise levels were monitored at 3 locations mainly Near main Gate, Near Utility area and biomass fractional block and the average level is between 56.7 (A) to 66.2 dB(A) during the day time & between 51.2 dB (A) to 60.4 dB(A) during Night and were found to be within the stipulated limit for the industrial area (75 dB(A)) as promulgated by CPCB. Personal protective equipment like earplugs etc. has been already provided to people working in the high noise area. Noise report are attached as **Annexure-II.** All reports are well within standards prescribed by MPCB.
13	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	Green belt is well developed and maintained on 340.5 sq. m. area and around the plant periphery . The green belt totalling to 33% of open space as per the current valid CTO has been provided. Green Belt Development was carried out considering CPCB guidelines including selection of plant species and in

		consultation with the local DFO/ Agriculture Dept.
14	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.	Company has full-fledged safety and fire department with implementation & monitoring of adequate safety measures. Risk Analysis, on - Site Emergency plan is prepared and regularly updated. Leak detection system is installed at strategic places. Also adequate provisions have been undertaken to limit the risk zone within the plant boundary for countering fire hazards during the manufacturing process in material handling such as fire hydrant, fire hose, foam mobile unit etc.
15	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	Various measures have been undertaken for the health and safety of the people working in the unit and also for protecting the environment such as establishment of the occupational health center, provision of the first aid box at various locations, checkup room, provision of the Eye washer and safety shower provided at various locations. Occupational health surveillance of the workers is being done on a regular basis and we are maintaining the record as per Factories Act.
16	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Firefighting equipment such as fire hydrant and fire extinguishers are existing at the site & appropriate Personal Protective Equipment is being used at the time of material handling.
17	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections / treatment / storage / disposal of hazardous wastes.	We have valid authorization from MPCB for collections/ treatment/ storage/ disposal of hazardous wastes. We will strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous and Other Waste (Management and Transboundary movement) Rules, 2016. We also have membership of the TTCWMA vide membership number M -606 dated 15th March 2017 & the same and the Form-IV is attached as **Annexure- III**

18	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.	Regular fire and safety training, mock drills are carried out. Onsite Emergency plan is also available.
19	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Separate Environmental Cell at project level is already in place with qualified personnel under the control of EHS head, who will directly be reporting to the head operations of the organization for implementation of the stipulated environmental safeguards and the organogram for the same
20	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	Yes, agreed and noted.
21	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter,informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in	We have already published advertisement related to the accord of the environmental clearance in the local newspapers,but have inadvertently misplaced the same We will publish the same shortly again.
22	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.	Noted & being done.
23	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if	Noted & Agreed. We have not received any suggestions and representations while processing the proposals from concerned Panchayat, Zillah Parishad/ Municipal

	any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Corporation, Urban local and the local NGO. Hence this clearance copy not given to them but informed in the various meetings.
24	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, NOx (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain	This is the consolidated post EC compliance report which is being submitted for the period from September 2017– September 2022. We will shortly upload the status of compliance of the stipulated EC conditions including results of monitored data on website and shall update the same periodically & also submitted to Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. status of compliance of the stipulated EC conditions, along with monitored data is uploaded on website The criteria pollutant levels are being displayed at convenient location. The monitoring data is attached as **Annexure-II**
25	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Noted & will be done.
26	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Yes, agreed and noted. We are regularly submitting Form - V to the MPCB as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently. Copy of the documents is enclosed as an **Annexure – IV**.

Annexure – 1

Copy of Environmental Clearance, Consent to Estblish & Consent to Operate

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:May 12, 2017

To,
Mr. Pradip Yelave
at D - 122

Subject: Environment Clearance for Proposed Greenfield project of R&D, Pilot plant for food and non-food additives

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its Meeting Number 111th meetings.

2. It is noted that the proposal is considered by SEAC-I under screening category 5 (f) as per EIA Notification 2006.

Brief Information of the project submitted by you is as below :-

1.Name of Project	Privi Biotechnologies Private Limited
2.Type of institution	Private
3.Name of Project Proponent	Mr. Pradip Yelave
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	D - 122
9.Taluka	Thane
10.Village	Nerul
11.Whether in Corporation / Municipal / other area	Navi Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Not applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 1104
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	2100 Sq.m.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**FSI area (sq. m.):** Not applicable
	Non FSI area (sq. m.): Not applicable
	Total BUA area (sq. m.): Not applicable
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	Not applicable

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	130000000

22.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Flavors & fragrances like a. Vanillin b. Flavor esters	NA	20 kg/batch	20 kg/batch
2	Food additives and nutraceuticals like a. Xylitol b. Fatty Acids c. Mono & diglycerides etc.	NA	50 kg/batch	50 kg/batch
3	Biopolymers	NA	50 kg/batch	50 kg/batch

23.Total Water Requirement

Dry season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	4	4	0	1	1	0	3	3
Industrial Process	0	9	9	0	1	1	0	8	8
Cooling tower & thermopack	0	76.2	76.2	0	71(29 CMD)	71(29 CMD)	0	5.20	5.20
Gardening	0	4	4	0	4	4	0	0	0
Fresh water requirement	0	93.2	93.2	0	77	77	0	16.2	16.2

25.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Not Applicable
	Size and no of RWH tank(s) and Quantity:	Not Applicable
	Location of the RWH tank(s):	Not Applicable
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Not Applicable
	Budgetary allocation (O & M cost) :	Not Applicable
	Details of UGT tanks if any :	Not Applicable

26.Storm water drainage	**Natural water drainage pattern:**	Proper and separate storm water drains available, as per natural slope
	Quantity of storm water:	Not Applicable
	Size of SWD:	Not Applicable

27.Sewage and Waste water	**Sewage generation in KLD:**	3 KLD
	STP technology:	treat in combine ETP
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	E -waste
	Wet waste:	Empty barrels, bottles and containers Solid waste from process Solid waste from con. technique Solid adsorbent resins
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	Not Applicable
	Wet waste:	Send to MWML and Sold to authorized recyclers
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Building Area
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	1104 Sq. Mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	5.5 Cr.
	O & M cost:	Not Applicable

29.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6-7	6-7	6 - 9
2	COD	mg/lit	4500 - 7500	200 - 250	< 250
3	BOD	mg/lit	1500 - 3500	80 - 100	< 100
4	TDS	mg/lit	5000 - 7000	5000 - 7000	< 2100
5	TSS	mg/lit	80 - 120	10 - 20	< 100

Amount of effluent generation (CMD):	16.20 CMD
Capacity of the ETP:	21 CMD
Amount of treated effluent recycled :	45 CMD
Amount of water send to the CETP:	Its Zero Liquid Discharge
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Liquid effluents will be treated in effluent treatment plant of capacity 21 CMD, fed to RO and evaporator to achieve Zero Liquid Discharge (ZLD)
Disposal of the ETP sludge	Not Applicable

30.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Empty barrels, bottles and containers	NA	Nos. / year	NA	500	500	Sold to authorized recyclers
2	E -waste	NA	Kg / year	NA	100	100	Sold to authorized recyclers
3	Solid waste from process	NA	Kg / year	NA	7200	7200	Used as manure / send to authorized recyclers
4	Solid waste from con. technique	NA	Kg / year	NA	3000	3000	Send to MWML, Taloja
5	Solid adsorbent resins	NA	Kg / year	NA	800	800	Send to incineration

31.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (Non IBR) Kg/hr	CNG = 109.68 SCM/hr or FO = 96.26 Kg/hr or LDO = 86.23 Kg/hr	1	30	0.40	275 deg. cel.
2	Thermic Fluid Heater (Non IBR)	CNG= 6.68 SCM/hr, LDO = 6 Kg/hr, Biofuel = 6 Kg/hr	1	30	0.40	275 deg. cel.
3	DG KVA	LDO = 60 Kg/hr	1	3.5	0.40	150 deg. cel.

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	CNG or	00	109.68 SCM/hr	109.68 SCM/hr
2	FO or	00	90.26 Kg/hr	90.26 Kg/hr
3	LDO	00	86.23 Kg/hr	86.23 Kg/hr
4	LDO for DG set	00	60 Kg/hr	60 Kg/hr
Source of Fuel		From market/ out Sider fuel companies		
Mode of Transportation of fuel to site		By Road		

33.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	427 KW
	During Operation phase (Demand load):	382 KW
	Transformer:	500 KVA
	DG set as Power back-up during operation phase:	315 KVA
	Fuel used:	LDO
	Details of high tension line passing through the plot if any:	NA

34.Energy saving by non-conventional method:

NA

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Boiler (1500 kg/hr.)	NA	Stack of 30 m. height
Thermopack (50,000 kcal/hr.)	NA	Stack of 30 m. height
D G Set (315 KVA)	NA	Stack of 3.5 m height, acoustic enclosure

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	NA	NA	NA

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	Stack	2.00	0.14
2	Water Pollution control	ETP, MEE & RO	102.00	12.00
3	Noise pollution control, Env. Monitoring	Acostic enclosure to 325 KVA D G set	1.8	3.4
4	Occupational health	First aid rooms	7.60	2.0
5	Green belt	Green belt development	2.00	0.30
6	Non-hazardous waste storage & Disposal	Transport and disposal	0.20	23.00
7	Hazardous waste storage & disposal	Transport and disposal	2.00	4.60
8	CSR activity	Education, healthcare, infrastructure development	NA	35.00

39.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Alcohol water	Liquid	Barrel	5000 kg	5000 kg	840 kg/batch	Local	By Road
Sulfuric acid (30 %)	Liquid	Barrel	200 kg	200 kg	11.5 (70%) kg/batch	Local	By Road
Nitric Acid (70%)	Liquid	Barrel	200 kg	200 kg	11.5 (70%) kg/batch	Local	By Road
Hydrochloric acid	Liquid	Barrel	200 kg	200 kg	11.5 (70%) kg/batch	Local	By Road
Sodium Hydroxide	Liquid	Barrel	500 kg	500 kg	32 kg/batch	Local	By Road
Sodium carbonate	Liquid	Barrel	500 kg	500 kg	32 kg/batch	Local	By Road

Potassium hydroxide	Liquid	Barrel	500 kg	500 kg	32 kg/batch	Local	By Road

40.Any Other Information

No Information Available

	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	5 (f)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	25-08-2016

3. The proposal has been considered by SEIAA in its Meeting Number 111th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

General Conditions:

I	(i)PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
II	73 TPH boiler should have stack height of 68m and flue gases shall be passed through an ESP of 99.9% efficiency before being led into the 68 m stack.
III	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
IV	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
V	Proper Housekeeping programmers shall be implemented.
VI	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.
VII	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
VIII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
IX	Arrangement shall be made that effluent and storm water does not get mixed.
X	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
XI	Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
XII	The overall noise levels in and around the plant are 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 ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
XIII	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
XIV	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
XV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
XVI	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
XVII	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
XVIII	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
XIX	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

XX	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
XXI	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in
XXII	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
XXIII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
XXIV	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, NOx (ambient levels as well as stack emissions) or critical sectorai parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
XXV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
XXVI	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune),New Administrative Building, 1stFloor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

1. SECRETARY MOEF & CC
2. IA- DIVISION MOEF & CC
3. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
4. REGIONAL OFFICE MOEF & CC NAGPUR
5. MUNICIPAL COMMISSIONER THANE
6. MUNICIPAL COMMISSIONER BHIVANDI-NIZAMPUR
7. MUNICIPAL COMMISSIONER KALYAN-DOMBIVALI
8. REGIONAL OFFICE MPCB KALYAN
9. REGIONAL OFFICE MPCB THANE
10. REGIONAL OFFICE MIDC AMBERNATH
11. REGIONAL OFFICE MIDC THANE
12. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
13. COLLECTOR OFFICE THANE

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781 /4037124/4035273
Fax : 24044532/4024068 /4023516
Email : enquiry@mpcb.gov.in
Visit At : http://mpcb.gov.in

Kalpataru Point, 3rd & 4th floor, Sion-Matunga Scheme Road No. 8, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai - 400 022

Consent order No: -Format 1.0/BO/AS(T)/UAN No. 0000013770/E/GEN- 1701001946
Date- 25/01/2017

To,
M/s Privi Biotechnologies Pvt. Ltd.,
Plot No. D-122, TTC Industrial Area,
Thane-Belapur Road, Nerul, Navi-Mumbai-400 706.

Subject: Grant of Consent to Establish under RED/LSI category.

Your application UAN No. 0000013770
Dated: 26/09/2017
For: Grant of Consent to Establish under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization /renewal under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The Consent to Establish is granted for a period upto commissioning of the unit or upto 5 years i.e. 31/01/2022 whichever is earlier.**
2. **The capital investment of the industry is Rs. 13.00 Cr (As per undertaking submitted by industry).**
3. **The Consent is valid for carrying out R&D activity and mfg. of Pilot Products as follows –**

Sr. No.	Product Name	Maximum Quantity	UOM
Flavours & fragrances like			
1	Vanilin	20	Kg/D
2	Flavour esters		
Food additives and neutraceuticals like			
3	Xylitol	50	Kg/D
4	Fatty Acids		
5	Mono & diglycerides etc.		
6	Biopolymers	50	Kg/D
By-products			
7	Inorganic salts	20	MT/M

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	13.2	As per Schedule –I	100% Recycle/reuse so as to achieve Zero Liquid Discharge
2.	Domestic effluent	3	As per Schedule –I	Applied on land for Gardening only

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1	Boiler / Thermic Fluid Heater	2	As per Schedule –II
2	DG Set (315 KVA)	1	As per Schedule –II

6. **Conditions about non-hazardous Wastes:**

1) The applicant shall handle non-hazardous waste as follows:

Sr. No.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Canteen Waste	1.0 MT/A	--	Municipal Dumping ground
2	Packaging waste/ Office waste	0.5 MT/A	--	Sale

7. **Conditions about e-waste (Management Rule 2016:**

1. The applicant shall handle e-waste as follows:

Sr. No.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Electronic waste	100 Kg/A	--	Auth. E-waste recycler/ re-processor

8. **Conditions under Hazardous Waste (M, H & TM) Rules, 2016 for treatment and disposal of hazardous waste:**

1) The Industry shall handle hazardous wastes as specified below:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treat-ment	Disposal
1	Spent catalyst and molecular sieve	1.6	800	Kg/A	–	CHWTSDF
2	Chemical sludge from waste water treatment	35.3	300	Kg/A	–	CHWTSDF
3	Process Residue	7.2	7,200	Kg/A	–	CHWTSDF
4	Discarded Containers/ barrels/ liners	33.1	500	Nos/A	–	Sale to Auth. Party after de-contamination

9. **The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.**

10. **This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.**

11. **The applicant shall not take any effective step prior to obtaining Environmental Clearance. As per Para 2 of EIA Notification dtd. 14/09/2006, the effective steps include starting of any construction work or preparation of land by the project management. However, as clarified by the MoEF vide Office Memorandum No. J-1103/41/2006-IA.II(I) dtd. 19/08/2010, fencing of the site to protect it from getting encroached & construction of temporary shed(s) for the guard(s) & acquisition of land shall not be treated as an effective step.**

For and on behalf of the
Maharashtra Pollution Control Board

28/11/17

(P.K. Mirashe)
AssistantSecretary (Tech.)

Received Consent fee of –

Sr. No.	Amount(Rs.)	DD/RTGS/NEFT No.	Date	Drawn On
1	Rs. 50,000/-	N266160189387478	22/09/2016	HDFC Bank

Copy to:

1. **Regional Officer/ Sub-Regional Officer(Navi-Mumbai-I), M.P.C. Board.**
   - They are instructed to ensure the compliance of the consent conditions.
2. **Chief Accounts Officer, MPCB, Mumbai.**
3. **CC/CAC desk – for record & website uploading purpose.**

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) **A] As per your application, you have proposed to provide Effluent Treatment Plant (ETP) of designed capacity 21 CMD consisting of primary, secondary & tertiary level treatment followed by RO & Evaporator for the treatment of 13.2 CMD of industrial effluent so as to achieve Zero Liquid discharge (ZLD).**

B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent:

Sr. No.	Parameters	Standards prescribed by Board (If any)
	I. Compulsory Parameters	**Limiting Concentration in mg/l, except for pH**
01	pH	6.5 to 8.5
02	Oil & Grease	10 mg/l.
03	BOD (3 days 27oC)	100 mg/l.
04	Total Dissolved Solids	2100 mg/l.
	II Additional Parameters	
05	Suspended Solids	100 mg/l.
06	COD	250 mg/l.
07	Chloride	600 mg/l.
08	Sulphate	1000 mg/l.

C] The treated effluent shall be 100% recycled/ reused into process, for cooling tower and utility purposes so as to achieve Zero Liquid Discharge (ZLD). In no case, effluent shall find its way outside Company's premise.

2) **A] As per your consent application, you have provided the septic tank followed by soak pit for the treatment of 3.0 CMD sewage. Overflow, if any shall be applied on land for gardening purpose within premise.**

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

(1)	**Suspended Solids.**	**Not to exceed**	**100**	**mg/l.**
(2)	**BOD 3 days 27oC.**	**Not to exceed**	**100**	**mg/l.**

C] In case the treatment system is combined for trade effluent and sewage then the standards and disposal path prescribed at Sr. No. (1) (B) & (C) of schedule-I shall be applicable.

3) **The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system and/ or extension or addition thereto.**

4) **The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.**

5) **The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.**

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	76.2

2.	**Domestic purpose**	4.0
3.	**Processing whereby water gets polluted & pollutants are easily biodegradable**	8.0
4.	**Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic**	---
5.	**Others**	---
	i) Gardening	---

6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. **As per your application, you have proposed to install the Air pollution control (APC) system and also proposed to erect following stack (s) and to observe the following fuel pattern-**

Sr. No	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Qty. & UoM	S %	SO_2 Kg/Day
1	**Boiler**	--	30	CNG	109.68 Kg/Hr	-	-
		--		FO		-	237
		--		LDO		-	95
		Dust Collector		Bagasse		-	10.5
2	**Thermic Fluid Heater**	--	30	CNG	6.68 Kg/Hr	-	-
		--		FO		-	14.5
		--		LDO		-	5.7
		Dust Collector		Bagasse		-	0.6
3	**D.G. Set (315 KVA)**	--	15	LDO	60 Kg/Hr	-	52

2. **The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.**
3. **The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:**

Particulate matter	Not to exceed	150 mg/Nm^3.
SO_2(FO fired Boiler)	Not to exceed	237 Kg/day
SO_2(LDO fired Boiler)	Not to exceed	95 Kg/day
SO_2(Bagasse fired Boiler)	Not to exceed	10.5 Kg/day
SO_2(FO fired Thermic Fluid Heater)	Not to exceed	14.5 Kg/day
SO_2(LDO fired Thermic Fluid Heater)	Not to exceed	5.7 Kg/day
Acidic Fumes/ HCl	Not to exceed	35 mg/Nm^3.

4. **The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.**
5. **The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).**

Maharashtra Pollution Control Board Mumbai

Schedule-III

Details of Bank Guarantee

Sr. No	BG Imposed for C to E/O/ Directions	Amt. of BG Imposed	Submission Period	Purpose of BG	Compliance period	Validity Date
1	C to E	Rs. 5.0 lakh	Within 15 days	Towards not to take effective steps towards establishment prior to obtaining Environmental Clearance	Upto commissioning or upto 5 years i.e. 31/01/2022 whichever is earlier	Upto 30/04/2022
2	C to E	Rs. 5.0 lakh	Within 15 days	Towards achieve Zero Liquid Discharge		

The applicant shall furnish irrevocable bank guarantees of Rs. 5.0 Lakh each in the Regional Office, Navi-Mumbai with the validity upto 30/04/2022 within 15 days from the issue of the Consent towards compliance of the condition for not to take effective steps towards establishment prior to obtaining Environmental Clearance and towards achievement Zero Liquid discharge respectively.

Schedule-IV

General Conditions:

1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
2) If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
4) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
5) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
6) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
7) The firm shall submit to this office, the 30th day of September every year , the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
8) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2016, which can be recycled/ processed/ reused/ recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
9) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2016 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M,H & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
11) The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the manufacturing activity.
12) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
13) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
14) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
16) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control

system. A register showing consumption of chemicals used for treatment shall be maintained.

17) Conditions for D.G. Set
   a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
   b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
   c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
   d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
   e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use
   f) D.G. Set shall be operated only in case of power failure.
   g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
   h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
18) The industry should not cause any nuisance in surrounding area.
19) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
20) The applicant shall maintain good housekeeping.
21) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
22) The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
23) The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
24) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
25) The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
26) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
27) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
28) **The industry shall recycle/reprocess/reuse/recover hazardous waste as per the provision contained in the HW (M, H & TM) Rules 2016, which can be recycled/ processed/ reused/ recovered and only waste which has to be incinerated shall go to incineration and waste which cannot be used for land filling and cannot be recycled/ reprocessed etc. should go for that purpose in order to reduce load on incineration and landfill site/ environment.**

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: http://mpcb.gov.in
Email: ast@mpcb.gov.in

Kalpataru Point, 2nd and 4th floor, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai-400022

RED/L.S.I
No:- Format1.0/AS(T)/UAN No.0000004943/2104000021

Date: 28/04/2021

To,
M/s Privi Biotechnologies Private Limited,
Plot No. D-122, TTC, Industrial Area,
Thane-Belapur Road, Nerul, Navi Mumbai.
Dist.-Thane-400706

Your Service is Our Duty

Sub: Amendment in existing Consent to Operate in RED/LSI Category.

Ref:
1. Consent to operate granted by Board vide No. Format 1.0/BO/AST/UAN No.-0000032350/O/CC-1712001142 dtd 29.12.2017 valid up to 30.11.2022
2. Environmental Clearance granted by Government of Maharashtra vide SEAC-2016/CR424/TC-1, dated 12.05.2017.
3. Your application No.MPCB-CONSENT_AMMENDMENT-0000004943 and 0000004944.

Your application No.MPCB-CONSENT_AMMENDMENT-0000004943 Dated 12.08.2020

For: grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to operate is granted for a period up to 30/11/2022**
2. **The capital investment of the project is Rs.13 Crs. (As per C.A Certificate submitted by industry)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Flavors & Fragrances Like	20	Kg/Batch
	a. Vanillin		
	b. Flavor Esters		
2	Food Additives and nutraceuticals like	50	Kg/Batch
	a. Xylitol		
	b. Fatty Acids		
	c. Mono & diglycerides, etc		

Sr No	Product	Maximum Quantity	UOM
3	Biopolymers	50	Kg/Batch
4	Research & Development for-development of Marine algae like	0	
	a) Microalgae (e.g. chlorella, Dunaliela)		
	b) Macroalgae or Seaweed (e.g. Kappaphycus, Ulva, Gracilaria, etc.)		

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	13.7	As per Schedule -I	Recycle 100% to achieve ZLD
2.	Domestic effluent	3.0	As per Schedule - I	Soaked in soak pit

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1	Boiler	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Canteen waste	1	MT/A	Composting	Used as manure
2	Packing wastes/Office waste	0.5	MT/A	Sale	Sale to authorized party

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	28.1 Process Residue and wastes	600	Kg/M	Incineration	CHWTSDF
2	28.2 Spent catalyst	66.67	Kg/M	Incineration	CHWTSDF
3	33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	42.0	No/M	Reconditioner	Sale to authorized reconditioner
4	35.3 Chemical sludge from waste water treatment	25.0	Kg/M	Landfill	CHWTSDF
5	37.3 Concentration or evaporation residues	1.0	MT/M	Landfill	CHWTSDF

8 The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.

9 This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.

10 The industry shall obtain necessary permission from the Directorate of Industrial Safety and Health (DISH).

11 The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. SEAC-2016/CR424/TC-1, dated 12.05.2017.

12 This consent is issued with overriding effect on earlier Consent to Operate granted by the Board vide no. Format 1.0/BO/AST/UAN No.-0000032350/O/CC-1712001142 dtd 29.12.2017 valid up to 30.11.2022

13 The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent. (Operate/Renewal)

14 This consent is issued as per the Office Order for Consent Management of the Board No. 12/2020 dtd. 23.12.2020.

For and on behalf of the
Maharashtra Pollution Control Board.

(P.K.Mirashe)
Assistant Secretary (Tech.)

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	100000.00	0185388	24/08/2017	RTGS

Copy to:

1. Regional Officer, MPCB, Navi Mumbai and Sub-Regional Officer, MPCB, Navi Mumbai I
   - They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB,Sion, Mumbai

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A] As per your application, you have provided Effluent Treatment Plant (ETP) of designed capacity of 21.00 CMD consisting of Primary (Collection tank, Neutralization tank, Equalization tank, Primary Clarifier/Primary Settling Tank), Secondary (Activated sludge process, Followed by Secondary Clarifier), Tertiary (Pressure sand filter, Activated carbon filter), Advanced treatment (Reverse osmosis, Multi effective evaporator), Sludge treatment (Sludge drying bed) for the treatment of 13.7 CMD of trade effluent.

   B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent and recycle the entire treated effluent into the process for various purposes such as for cooling, process & Scrubbing with metering system so as to achieve Zero Liquid Discharge. There shall be no discharge on land or outside factory premises.

   C] The Industry shall ensure connectivity online monitoring system to the MPCB server including separate energy meter for pollution control system.

2. A] As per your application, you have provided Septic Tank followed by Soak pit for the treatment of 3.0 CMD of sewage.

   B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards	
1	BOD (3 days 27°C)	Not to exceed	30 mg/l
2	Suspended Solids	Not to exceed	100 mg/l

   C] The treated sewage shall be soaked in soak pit and overflow if any shall be discharged on land for gardening within premise after confirming above standards.

3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	76.20
2.	Domestic purpose	4.00

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	8.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0.0

Marine Water -0.5 CMD

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO_2 (kg/day)
S-1	Boiler	Stack	30.0	PNG	109.68 SCM/Hr	--	--

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Parameters	Standards	
Total Particulate Matter	Not to exceed	150 mg/ Nm3

4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

SCHEDULE-III

Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Operate	Rs. 5.0/- Lakh	Existing	Towards O&M of Pollution Control System	30.11.2022	31.03.2023

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
2	Consent to Operate	Rs. 5.0/- Lakh	Existing	Towards compliance of Consent conditions	30.11.2022	31.03.2023

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent. **# Existing BG obtained for above purpose if any may be extended for period of validity as above.**

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV
General Conditions:

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
   a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
   b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
   c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
   d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
   e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
   f) D.G. Set shall be operated only in case of power failure.
   g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
   h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.

6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. The PP shall provide personal protection equipment as per norms of Factory Act
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).

20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

For and on behalf of the
Maharashtra Pollution Control Board.

(P.K.Mirashe)
Assistant Secretary (Tech.)

Annexure –2

Latest Monitoring Reports

GOLDFINCH LABORATORY
(Department of Goldfinch Engineering Systems™ Private Limited)
Plot No. A-288, Road No. 16 Z, Opp. Agriculture Office Bus-stop, Thane Industrial Area,
MIDC (Wagle Estate), Thane (W) 400 604, Maharashtra, India.
Tel No. : 91-022-2580 1546 / 9920093829 / 7208579136
Email : lab@goldfinchengg.com / Website : www.goldfinchengg.com

QCI-NABET accredited EIA consultant
ISO 9001:2015 Certified Company
Laboratory Gazetted by MoEF & Certified by ISO 45001 - 2018

Report Date: 08.02.2023

Analysis Report

Name of the Industry	**Privi Biotechnologies Private Limited, Plot no: D-122, TTC industrial area, Thane - Belapur Road, Nerul, Navi Mumbai,**		
Date of Sample Collection :	30.01.2023	**Sample Description :**	Soil Sample
Date of Receipt of Sample :	30.01.2023	**Sample Quantity :**	1000 gms
Date of Analysis Started :	31.01.2023	**Sample Collected by :**	Laboratory
Date of Analysis Completed :	08.02.2023	**Sample Container :**	Polythene bag
Sampling Plan :	QF/LA/01-B 30.01.23	**Sampling Location :**	ETP Area Soil
Sampling Method :	APHA 1060B 23rd Edition		

Sr. No.	Parameters	Unit	GFL/MS/23/01/52 Project Site	Test Method Used
1	Bulk Density	kg/m^3	1135.0	Weight by Volume
2	Total Organic Carbon	%	0.84	IS:2720 (Part 22) : 1972
3	pH	--	7.1	IS:2720 (Part 26) : 1987
4	Electrical Conductivity(1 :2 Soil: Water Extract)	uS/cm	1390	IS:14767 - 2000
5	Sodium as Na	mg/kg	81.17	USEPA 3050 B
6	Potassium as K	mg/kg	30.46	USEPA 3050 B
7	Sodium Absorption Ratio (SAR)	--	0.67	By Calculation
8	Boron as B (Available)	mg/ kg	0.668	Manual for soil testing, DAC-MOA,GOI
9	Available Phosphorus as P_2O_5	mg/ kg	53.35	Manual for soil testing,DAC-MOA,GOI
10	Available Potassium as K_2O	mg/kg	32.32	Manual for soil testing,DAC-MOA,GOI
11	Available Manganese as Mn	mg/kg	70.49	Manual for soil testing,DAC-MOA,GOI
12	Available Iron as Fe	mg/kg	31.52	Manual for soil testing,DAC-MOA,GOI
13	Available copper as Cu	mg/kg	14.08	Manual for soil testing,DAC-MOA,GOI
14	Available Zinc as Zn	mg/kg	22.86	Manual for soil testing,DAC-MOA,GOI

---------- End of Report ----------

For Goldfinch Laboratory

Verified and Authorized by

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Report Date: 08.02.2023

Analysis Report

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Date of Sample Collection :	30.01.2023	**Sample Description :**	Soil Sample
Date of Receipt of Sample :	30.01.2023	**Sample Quantity :**	1000 gms
Date of Analysis Started :	31.01.2023	**Sample Collected by :**	Laboratory
Date of Analysis Completed :	08.02.2023	**Sample Container :**	Polythene bag
Sampling Plan :	QF/LA/01-B 30.01.23	**Sampling Location :**	ETP Area Soil
Sampling Method :	APHA 1060B 23rd Edition		

Sr. No.	Parameters	Unit	GFL/MS/23/01/52 Project Site	Test Method Used
15	Cation Exchange Capacity	Meq/100g	6.19	IS 2720(Part-24)1976
16	Total Nitrogen	mg/ kg	29.11	IS:14684-1999
17	Water Holding Capacity	%	33.73	IS 14765:2000 RA-2016
18	Moisture content	%	33.73	IS:2720 (Part 02) : 1973
19	Organic Matter	%	1.45	IS:2720 (Part 22) : 1972RA 2015
20	Copper as Cu	mg/kg	22.65	USEPA 3050 B
21	Magnesium as Mn	mg/ kg	12.37	USEPA 3050 B
22	Iron as Fe	mg/kg	7.39	USEPA 3050 B
23	Calcium as Ca	mg/ kg	140	APHA 2340 C (23 rd Edition)
24	Manganese as Mg	mg/kg	132	APHA 2340 C (23 rd Edition)

---------- End of Report ----------

For Goldfinch Laboratory

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Report Date: 08.02.2023

Analysis Report

Name of the Industry	**Privi Biotechnologies Private Limited, Plot no: D-122, TTC industrial area, Thane - Belapur Road, Nerul, Navi Mumbai,**		
Date of Sample Collection :	30.01.2023	**Sample Description :**	Soil Sample
Date of Receipt of Sample :	30.01.2023	**Sample Quantity :**	1000 gms
Date of Analysis Started :	31.01.2023	**Sample Collected by :**	Laboratory
Date of Analysis Completed :	08.02.2023	**Sample Container :**	Polythene bag
Sampling Plan :	QF/LA/01-B 30.01.23	**Sampling Location :**	Assembly Point soil
Sampling Method :	APHA 1060B 23rd Edition		

Sr. No.	Parameters	Unit	GFL/MS/23/01/53 Assembly Point soil	Test Method Used
1	Bulk Density	kg/m^3	1193.5	Weight by Volume
2	Total Organic Carbon	%	0.89	IS:2720 (Part 22) : 1972
3	pH	--	7.2	IS:2720 (Part 26) : 1987
4	Electrical Conductivity(1 :2 Soil: Water Extract)	uS/cm	1420	IS:14767 - 2000
5	Sodium as Na	mg/kg	113.44	USEPA 3050 B
6	Potassium as K	mg/kg	33.88	USEPA 3050 B
7	Sodium Absorption Ratio (SAR)	--	1.05	By Calculation
8	Boron as B (Available)	mg/ kg	0.36	Manual for soil testing, DAC-MOA,GOI
9	Available Phosphorus as P_2O_5	mg/ kg	55.92	Manual for soil testing,DAC-MOA,GOI
10	Available Potassium as K_2O	mg/kg	32.84	Manual for soil testing,DAC-MOA,GOI
11	Available Manganese as Mn	mg/kg	87.43	Manual for soil testing,DAC-MOA,GOI
12	Available Iron as Fe	mg/kg	41.13	Manual for soil testing,DAC-MOA,GOI
13	Available copper as Cu	mg/kg	13.41	Manual for soil testing,DAC-MOA,GOI
14	Available Zinc as Zn	mg/kg	19.76	Manual for soil testing,DAC-MOA,GOI

---------- End of Report ----------

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Report Date: 08.02.2023

Analysis Report

Name of the Industry	**Privi Biotechnologies Private Limited, Plot no: D-122, TTC industrial area, Thane - Belapur Road, Nerul, Navi Mumbai,**		
Date of Sample Collection :	30.01.2023	**Sample Description :**	Soil Sample
Date of Receipt of Sample :	30.01.2023	**Sample Quantity :**	1000 gms
Date of Analysis Started :	31.01.2023	**Sample Collected by :**	Laboratory
Date of Analysis Completed :	08.02.2023	**Sample Container :**	Polythene bag
Sampling Plan :	QF/LA/01-B 30.01.23	**Sampling Location :**	Assembly Point soil
Sampling Method :	APHA 1060B 23rd Edition		

Sr. No.	Parameters	Unit	GFL/MS/23/01/53 Assembly Point soil	Test Method Used
15	Cation Exchange Capacity	Meq/100g	7.76	IS 2720(Part-24)1976
16	Total Nitrogen	mg/ kg	35.69	IS:14684-1999
17	Water Holding Capacity	%	34.69	IS 14765:2000 RA-2016
18	Moisture content	%	43.58	IS:2720 (Part 02) : 1973
19	Organic Matter	%	1.53	IS:2720 (Part 22) : 1972RA 2015
20	Copper as Cu	mg/kg	21.52	USEPA 3050 B
21	Magnesium as Mn	mg/ kg	16.63	USEPA 3050 B
22	Iron as Fe	mg/kg	12.71	USEPA 3050 B
23	Calcium as Ca	mg/ kg	160	APHA 2340 C (23 rd Edition)
24	Manganese as Mg	mg/kg	127	APHA 2340 C (23 rd Edition)

---------- End of Report ----------

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QF/LA/10-A

Report Date: 06.02.2023

Analysis Test Reports for Ambient Air Monitoring

Name of the Industry :	**M/S Privi Biotechnologies Private Ltd. Nerul**		
Date of Sampling :	30.01.2023	**Sample Description :**	Ambient
Date of Receipt of Sample :	31.01.2023	**Sample Collected by :**	Laboratory
Date of Analysis Started :	31.01.2023	**Date of Analysis Completed :**	06.02.2023
Sampling Plan :	QF/LA/01B- 30.12.2022	**Sampling Location :**	Near Main Gate
Sampling Method :	Refer test method		

Sample Code No.	**GFL/AA/23/01-208**	**Limits**	**Units**	**Test Method**
Location	**Near Main Gate**			
Date/Duration	30.01.2023 1 hr. (CO & NH3) & 08hrs. (Rest of the pollutants)			
PM 10	79.93	100	$\mu g/m^3$	IS 5182 (Part-23):2006, Reaffirmed-2017 & CPCB NAAQS Volume-I
PM 2.5	30.04	60	$\mu g/m^3$	CPCB NAAQS Volume-I
SO_2 conc.	20.14	80	$\mu g/m^3$	IS 5182 (Part-2):2001, Reaffirmed-2017 & CPCB NAAQS Volume I
NOx conc.	58.72	80	$\mu g/m^3$	IS 5182 (Part-06):2006, Reaffirmed-2017 & CPCB NAAQS Volume I
Ammonia	118.93	400	$\mu g/m^3$	CPCB NAAQS Volume-I
Carbon Monoxide	ND	04	mg/m^3	IS 5182 (Part-10):1999, Reaffirmed-2014
Sampling carried out using HVS GOLDFINCH/INST-HVS/03 Calibrated on : 14.09.2022 Calibration Due on : 13.09.2023		**Sampling carried out using ADS GOLDFINCH/INST-ADS/68 Calibrated on : 14.09.2022 Calibration Due on : 13.09.2023**		

Remark: - ND =Not Detected

---------- End of Report ----------

For Goldfinch Laboratory

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QF/LA/10-B

Report Date: 06.02.2023

Analysis Test Report for Stack Emissions Monitoring

Name of the Industry :	**M/S Privi Biotechnologies Private Ltd. Nerul**		
Date of Sampling :	30.01.2023	**Sample Description :**	Stack
Date of Receipt of Sample :	31.01.2023	**Sample Collected by :**	Laboratory
Date of Analysis Started :	31.01.2023	**Date of Analysis Completed :**	06.02.2023
Sampling Plan :	QF/LA/01B- 30.12.2022	**Sampling Location :**	Boiler Stack
Sampling Method :	Refer test method		

Sample Code No.	**GFL/AS/23/01-209**	**Limits**	**Units**	**Test Method**
Stack Attached To	**Boiler Stack**			
Stack Diameter	0.48		meter	IS 11255 (Part-3) 2008, Reaffirmed 2018
Stack Height	30		meter	
Fuel used & Consumption	Natural Gas			
Velocity of flue gases	5.68		m/s	
Temperature of flue Gases	119		^0C	
Flow/volume of flue Gases	3697.99		m^3/Hr	
Particulate Matter	44.53	150	mg/Nm^3	IS-11255 (Part-1) 1985, Reaffirmed-2014
Sulphur Di Oxide Content	4.86	1590	Kg/day	IS-11255 (Part-2) 1985, Reaffirmed-2014
Nox Conc.	13.44	--	mg/Nm^3	IS-11255 (Part-7):2005, Reaffirmed-2017

Sampling Carried out using Stack Monitoring Kit
ID No. GOLDFINCH/INST-STACK/48,49
Calibrated on –03.10.2022
Calibration due on –02.10.2023

---------- End of Report ----------

For Goldfinch Laboratory

Verified and Authorized by

GOLDFINCH LABORATORY
(Department of Goldfinch Engineering Systems™ Private Limited)
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QF/LA/10-C

Report Date: 06.02.2023

Analysis Test Report For Ambient Noise Monitoring

Name of the Industry :	**M/S Privi Biotechnologies Private Ltd. Nerul**		
Date of Sampling :	30.01.2023	**Sample Description :**	Noise
Date of Receipt of Sample :	31.01.2023	**Sample Collected by :**	Laboratory
Date of Analysis Started :	31.01.2023	**Date of Analysis Completed :**	06.02.2023
Sampling Plan :	QF/LA/01B- 30.12.2022	**Sampling Location :**	As mentioned below
Sampling Method :	Refer test method		

		Ambient Noise Level		**Test Method**
Sample Code	**Location**	**Day dB(A) Leq**	**Night dB(A) Leq**	
GFL/AN/23/01-210	Near Main Gate	56.7	51.2	IS 9989-1981 Reaffirmed 2014
GFL/AN/23/01-211	near utility room	64.4	58.7	
GFL/AN/23/01-212	Near Biomass fractionation block	66.2	60.4	
	M.P.C.B. Limit	**75.0**	**70.0**	

Survey carried out using dB meter
Sr. No. GOLDFINCH/INST- DB Meter /32
Calibrated On: 21.10.2022
Calibration due: 20.10.2023

---------- End of Report ----------

For Goldfinch Laboratory

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(Department of Goldfinch Engineering Systems™ Private Limited)
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QF/LA/10-D

Report Date: 06.02.2023

Analysis Test Report for Workplace Monitoring

Name of the Industry :	**M/S Privi Biotechnologies Private Ltd. Nerul**		
Date of Sampling :	30.01.2023	**Sample Description :**	Workplace
Date of Receipt of Sample :	31.01.2023	**Sample Collected by :**	Laboratory
Date of Analysis Started :	31.01.2023	**Date of Analysis Completed :**	06.02.2023
Sampling Plan :	QF/LA/01B- 30.12.2022	**Sampling Location :**	As mentioned below
Sampling Method :	Refer test method		

Sample Code No.	Location	Parameter	Result	Limit	Unit	Test Method
GFL/AW/23/01-213	Musk block	Dust	0.88	10	mg/m^3	IS-5182 (Part-4):1999, Reaffirmed-2014
		HCl	ND	35	mg/Nm^3	EPA 0051
		SO_2	ND	2	mg/m^3	IS 5182 (Part-2):2001, Reaffirmed-2017
		NO_2	ND	3	mg/m^3	IS 5182 (Part-6):2006, Reaffirmed-2017

Sampling Carried out using Handy Sampler
ID No. GOLDFINCH/INST-HD SAMPLER/66
Calibrated on –03.10.2022
Calibration due on –02.10.2023

Remark- ND= Not Detected

---------- End of Report ----------

For Goldfinch Laboratory

Verified and Authorized by

Annexure – 3

CHWTSDF Membership & Form -IV

TRANS THANE CREEK WASTE MANAGEMENT ASSOCIATION

(PROMOTED BY THANE BELAPUR INDUSTRIES ASSOCIATION)

Plot No. P-128, SHIL MAHAPE ROAD, NEXT TO L & T INFOTECH LTD.,
MAHAPE, NAVI MUMBAI - 400 710.
Tel. : 27610153 / 27616131 / 27616132 • Fax : 27610152
E-mail : ttcwmam@gmail.com
Website : www.ttcwastemanagement.com
CIN NO. : U37100MH1998NPL117284

RINA
BS OHSAS 18001:2007
Certified Health & Safety System

ISO: 9001-2008 Certified

Ref No/TTCWMA/2017 *Date: 15.03.2017*

M/s. Privi Biotechnologies Pvt. Ltd.
Plot No. D-122, TTC Industrial Area,
MIDC, Shirawane, Thane-Belapur Road,
Nerul, Navi Mumbai - 400706.

Sub: Membership

M/s. Privi Biotechnologies Pvt. Ltd. *Plot No. D-122, TTC Industrial Area, MIDC, Shirawane, Thane-Belapur Road, Nerul, Navi Mumbai - 400706 is admitted as a Member of T.T.C. Common Hazardous Waste Treatment storage Disposal Facility (CHWTSDF) Mahape, vide our membership No.* ***M-606*** *on* ***15th March, 2017.***

Thanking you,

Yours truly,
For TRANS THANE CREEK WASTE MANAGEMENT ASSOCIATION

P.M.SREEVALSAN
SITE MANAGER

TRANS THANE CREEK WASTE MANAGEMENT ASSOCIATION
NAVI MUMBAI
400 705

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Form 4

See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

FORM FOR FILING ANNUAL RETURNS

[To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march]

Unique Application Number:	***Submitted On:***	***Industry Type :***
MPCB-HW_ANNUAL_RETURN-0000033431	12-01-2023	Generator

Submitted for Year:

April 2021 to March 2022

1. Name of the generator/operator of facility	***Address of the unit/facility***
Privi Biotechnologies Private Limited	Plot No. D-122, TTC, Industrial Area, Thane-Belapur Road, Nerul, Navi Mumbai-Dist.-Thane-400706

1b. Authorization Number	***Date of issue***	***Date of validity of consent***
Format1.0/AS(T)/UAN No.0000004943/2104000021	Apr 28, 2021	Nov 30, 2022

2. Name of the authorised person	***Full address of authorised person***
Pradip Yelave	Plot No. D-122, TTC, Industrial Area, Thane-Belapur Road, Nerul, Navi Mumbai-Dist.-Thane-400706

Telephone	***Fax***	***Email***
9930262718	NA	pradip.yelave@privi.co.in

3.Production during the year (product wise), wherever applicable

Product Type *	***Product Name ****	***Consented Quantity***	***Actual Quantity***	***UOM***
Chemical ,Petrochemical &Electrochemical	Flavors & Fragrances Like-Vanillin/Flavor Esters	20.0000	15	Kg/cycle
Chemical ,Petrochemical &Electrochemical	Food Additives and nutraceuticals like--Xylitol/Fatty Acids/Mono & diglycerides etc	50.0000	37	Kg/cycle
Chemical ,Petrochemical &Electrochemical	Biopolymers	50.0000	22	Kg/cycle
Chemical ,Petrochemical &Electrochemical	Research & Development for-development of Marine algae like-Microalgae (e.g. chlorella, Dunaliela)/Macroalgae or Seaweed (e.g. Kappaphycus, Ulva, Gracilaria, etc.)	0.0000	0	Kg/cycle

PART A: To be filled by hazardous waste generators

1. Total Quantity of waste generated category wise

Type of hazardous waste	***Wate Name***	***Consented Quantity***	***Quantity***	***UOM***
28.1 Process Residue and wastes	Process Residue and wastes	7.200	0.2	MTA
28.2 Spent catalyst	Spent catalyst	0.800	0	MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	504.000	24	numbers/anum
35.3 Chemical sludge from waste water treatment	Chemical sludge from waste water treatment	0.300	0.072	MTA

37.3 Concentration or evaporation residues	MEE Soilds	12.000	0	MTA

2. Quantity dispatched category wise.

Type of Waste	***Quantity of waste***	***UOM***	***Dispatched to***	***Facility Name***
28.1 Process Residue and wastes	0.2	MTA	Disposal Facility	NA
28.2 Spent catalyst	0	MTA	Disposal Facility	NA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	24	numbers/anum	Disposal Facility	NA
35.3 Chemical sludge from waste water treatment	0.072	MTA	Disposal Facility	NA
37.3 Concentration or evaporation residues	0	MTA	Disposal Facility	NA

3. Quantity Utilised in-house,If any

Type of Waste	***Name of Waste***	***Quantity of Waste***	***UOM***
	NA	0	MTA

4. Quantity in storage at the end of the year

Type of Waste	***Name of Waste***	***Quantity of Waste***	***UOM***
	NA	0	MTA

5. Quantity disposed in landfills as such and after treatment

Type	***Quantity***	***UOM***
Direct landfilling	0	KL/Anum
Landfill after treatment	0	KL/Anum

6. Quantity incinerated (if applicable)	***UOM***
0	KL/Anum

PART B: To be filled bt Treatment,storage, and disposal facility operators

1.Total Quantity received	***UOM***	***State Name***
NA	KL/Anum	Maharashtra

2. Quantity in stock at the beginning of the year	***UOM***
NA	KL/Anum

3. Quantity treated	***UOM***
NA	KL/Anum

4. Quantity disposed in landfills as such and after treatment

Type	***Quantity***	***UOM***
Direct landfilling	NA	KL/Anum
Landfill after treatment	NA	KL/Anum

5. Quantity incinerated (if applicable)	***UOM***
NA	KL/Anum

6. Quantiry processed other than specified above	***UOM***
NA	KL/Anum

7. Quantity in storage at the end of the year.	***UOM***
NA	KL/Anum

PART C: To be filled by recyclers or co-processors or other users

1. Quantity of waste received during the year

Waste Name/Category	Country Name	State Name	Quantity of waste received from domestic sources	Quantity of waste imported(If any)	Units
NA	India	Maharashtra	NA	NA	KL/Anum

2. Quantity in stock at the beginning of the year

Waste Name/Category	Quantity	UOM
NA	NA	KL/Anum

3. Quantity of waste recycled or co-procesed or used

Name of Waste	Type of Waste	Quantity	UOM
NA	NA	NA	KL/Anum

4. Quantity of products dispatched (wherever applicable)

Name of product	Quantity	UOM
NA	NA	KL/Anum

5. Total quantity of waste generated

Waste name/category	quantity	UOM
NA	NA	KL/Anum

6. Total quantity of waste disposed

Waste name/category	quantity	UOM
NA	NA	KL/Anum

7. Total quantity of waste re-exported (If Applicable)

Waste name/category	quantity	UOM
NA	NA	KL/Anum

8. Quantity in storage at the end of the year

Waste name/category	quantity	UOM
NA	NA	KL/Anum

9. Quantity disposed in landfills as such and after treatment

Type	Quantity	UOM
Direct landfilling	NA	KL/Anum
Landfill after treatment	NA	KL/Anum

10. Quantity incinerated (if applicable)

UOM
KL/Anum
NA

Personal Details

Place	Date	Designation
TTC INDUSTRIAL AREA NAVI MUMBAI	2021-07-15	ASSISTANT GENERAL MANAGER

Annexure – 4

Latest Form-V

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

Unique Application Number	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000051843	12-01-2023

PART A

Company Information

Company Name	***Application UAN number***
PRIVI BIOTECHNOLOGIES PRIVATE LIMITED	100017165000

Address

PLOT D122 TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, NERUL, NAVI MUMBAI, DIST. THANE-400706

Plot no	***Taluka***	***Village***
D122	THANE	NERUL
Capital Investment (In lakhs)	***Scale***	***City***
3900	LSI	NAVI MUMBAI
Pincode	***Person Name***	***Designation***
400706	PRADIP YELAVE	ASSISTANT GENERAL MANAGER
Telephone Number	***Fax Number***	***Email***
9930262718	0	pradip.yelave@privibiotech.in
Region	***Industry Category***	***Industry Type***
SRO-Navi Mumbai I	Red	R22 Organic Chemicals manufacturing
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
no	FORMAT1.0/AS(T)/UAN NO. 0000004943/2104000021	2021-04-28
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
2022-11-30	2017	Sep 30 2021 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Flavors & Fragrances Like-a) Vanillin (b) Flavor Esters	20	15	
Food Additives and nutraceuticals like-(a) Xylitol (b) Fatty Acids (c) Mono & diglycerides etc	50	37	
Biopolymers	50	22	
Research & Development for- Development of Marine algae like-(a) Microalgae (chlorella,Dunali ela) (b) Macroalgae or Seaweed (e.g. Kappaphycus, Ulva, Gracilaria ETC.	0	0	

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
NA	0	0	

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	8.00	4.00
Cooling	76.20	35.00
Domestic	4.00	3.00
All others	0.50	0.50
Total	88.70	42.50

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
TRADE EFFLUENT	13.7	7.2	CMD
DOMESTIC EFFLUENT	3	1.8	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Flavors & Fragrances Like-a) Vanillin (b) Flavor Esters	0	1	CMD
Food Additives and nutraceuticals like-(a) Xylitol (b) Fatty Acids (c) Mono & diglycerides etc	0	2.5	CMD
Biopolymers	0	0.5	CMD
Research & Development for- Development of Marine algae like-(a) Microalgae (chlorella,Dunali ela) (b) Macroalgae or Seaweed (e.g. Kappaphycus, Ulva, Gracilaria etc.)	0	0	CMD

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Dry secondary agro bio waste	0	70	
Aqueous alcohol, ester solution	0	400	

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
PNG	78912	37440	M3/Month

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
PH	9.5	6.8	100	100	100

COD	250	80	100	100	100

[B] Air (Stack)

Pollutants Detail	***Quantity of Pollutants discharged (kL/day)***	***Concentration of Pollutants discharged(Mg/NM3)***	***Percentage of variation from prescribed standards with reasons***		
	Quantity	***Concentration***	***%variation***	***Standard***	***Reason***
NA	0	0	0	0	0

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
28.1 Process Residue and wastes	0	200	Kg/Annum
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	0	24	Nos./Y
35.3 Chemical sludge from waste water treatment	0	72	Kg/Annum

2) From Pollution Control Facilities

Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
0	0	0	

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
CANTEEN WASTE	0	1	MT/A
Packing wastes/Office waste	0	0.3	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
NA	0	0	Kg
NA	0	0	Kg

3) Quantity Recycled or Re-utilized within the unit

Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
0	0	0	Kg
0	0	0	Kg

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	***Qty of Hazardous Waste***	***UOM***	***Concentration of Hazardous Waste***
0	0		0

2) Solid Waste

Type of Solid Waste Generated	*Qty of Solid Waste*	*UOM*	*Concentration of Solid Waste*
NA	0	Kg	0
NA	0	Kg	0

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	*Reduction in Water Consumption (M3/day)*	*Reduction in Fuel & Solvent Consumption (KL/day)*	*Reduction in Raw Material (Kg)*	*Reduction in Power Consumption (KWH)*	*Capital Investment(in Lacs)*	*Reduction in Maintenance(in Lacs)*
NA	0	0	0	0	0	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	*Environmental Protection Measures*	*Capital Investment (Lacks)*
ETP	0	15

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	*Environmental Protection Measures*	*Capital Investment (Lacks)*
ETP	0	20

Part-I

Any other particulars for improving the quality of the environment.

Particulars

PRIVI BIOTECHNOLOGIES PRIVATE LIMITED

Name & Designation

PRADIP YELAVE (ASSISTANT GENERAL MANAGER)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000051843

Submitted On:

12-01-2023