



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:October 29, 2018

To,
Galaxy Laboratories Pvt. Ltd.
at Plot No. B-10, MIDC Newasa, Ahmadnagar

Subject: Environment Clearance for Proposed expansion of existing Synthetic Organic chemicals manufacturing facility by Galaxy Laboratories Pvt. Ltd., Plot No. B-10, MIDC Newasa, Tukai- Shingve, Dist. Ahmadnagar

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 153rd A (Day-2)rd 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 140th meetings.


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

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

1.Name of Project	Proposed expansion of existing Synthetic Organic chemicals manufacturing facility by Galaxy Laboratories Pvt. Ltd., Plot No. B-10, MIDC Newasa, Tukai- Shingve, Dist. Ahmadnagar
2.Type of institution	Private
3.Name of Project Proponent	Galaxy Laboratories Pvt. Ltd.
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Industrial
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing manufacturing facility
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. Existing Environment clearance- EC letter No. SEIAA-EC-0000000048 dated 24th April 2017
8.Location of the project	Plot No. B-10, MIDC Newasa, Ahmadnagar
9.Taluka	Newasa
10.Village	Shigve tukai
Correspondence Name:	Mr. Shrikant Deshmukh
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	Ahmednagar
City:	Ahmednagar
11.Whether in Corporation / Municipal / other area	MIDC Newasa
12.IOD/IOA/Concession/Plan Approval Number	MIDC approval IOD/IOA/Concession/Plan Approval Number: MIDC approval Approved Built-up Area: 17717.05
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC plot plan approval
15.Total Plot Area (sq. m.)	48,400 sq.m
16.Deductions	Not applicable
17.Net Plot area	Not applicable

SEIAA Meeting No: 140 Meeting Date: October 3, 2018 (SEIAA-STATEMENT-000000799)
SEIAA-MINUTES-0000000665
SEIAA-EC-0000000469

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Shri. Anil Diggikar (Member Secretary SEIAA)

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.):
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)	--
21.Estimated cost of the project	0



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22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Hydrogen gas	250 Nm3/Hr	0	250 Nm3/Hr
2	Furfuraldehyde (Furfural)	50	0	50
3	Furfural alcohol	30	0	30
4	Furfuryl amine	40	0	40
5	Cyclohexenyl Ethyl amine (CHEA)	10	0	10
6	Triclabendazole (Crude)	8.4	0	8.4
7	5-Chloro-4-Amino-2,1,3 Benzothiadiazole	2	0	2
8	2-Furoic acid	5	0	5
9	Betaphenyl Ethyl Amine (BPEA)	20	0	20
10	Polly Allylamine Hydrochloride (PAAH)	13.5	0	13.5
11	Chlorohexanone (6-Chloro-2-Hexanone)	20	0	20
12	Furan	50	0	50
13	Cinnamyl alcohol	0	50	50
14	Phenyl Propanol	0	20	20
15	Allylamine	0	5	5
16	Anethole	0	20	20
17	Spent acid (By product)	42.5	0	42.5
18	Sodium hydrosulphide solution (By product)	15.6	31	46.6
19	Potassium bromide salt solution (By product)	185.5	0	185.5
20	Polyaluminium Chloride solution (PAC) (16% w/w of Al2O3) (By product)	0	135.75	135.75

23. Total Water Requirement

Dry season:	Source of water	MIDC
	Fresh water (CMD):	93 cmd (as per existing EC letter)
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	165 cmd (Fresh water-93 cmd + Recycle water- 72 cmd) (as per existing EC letter)
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	--

Wet season:	Source of water	--
	Fresh water (CMD):	--
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	--
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
Excess treated water	--	
Details of Swimming pool (If any)	--	



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24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	28	0	28	3	0	3	25	0	25
Industrial Process	20	0	20	0	0	0	20	0	20
Cooling tower & thermopack	89	0	89	62	0	62	27	0	27
Gardening	28	0	28	28	0	28	0	0	0

25.Rain Water Harvesting (RWH)	Level of the Ground water table:	--
	Size and no of RWH tank(s) and Quantity:	1 no. of RWH tank of 12 x 12.5 x 2 m of 302 KL capacity
	Location of the RWH tank(s):	Near main gate
	Quantity of recharge pits:	--
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	10 Lakh as per existing EC
	Budgetary allocation (O & M cost) :	1 Lakh per annum as per existing EC
	Details of UGT tanks if any :	Not applicable

26.Storm water drainage	Natural water drainage pattern:	--
	Quantity of storm water:	--
	Size of SWD:	--

27.Sewage and Waste water	Sewage generation in KLD:	25 cmd
	STP technology:	Not applicable. Sewage will be added in Aeration tank for treatment in existing ETP.
	Capacity of STP (CMD):	--
	Location & area of the STP:	--
	Budgetary allocation (Capital cost):	--
	Budgetary allocation (O & M cost):	--

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Minor quantity of debris will be generate.
	Disposal of the construction waste debris:	Construction waste debris will be reused for levelling of plot.
Waste generation in the operation Phase:	Dry waste:	Fly ash- 1850 TPA, Spent corn cob- 5000 TPA
	Wet waste:	--
	Hazardous waste:	ETP sludge, Distillation Residue, Chlorinated Distillation Residue, Contaminated filter/ Bags, Process residue (iron sludge) , Spent Catalyst , Spent Charcoal, Contaminated Drums/ Barrels/ liners
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Mode of Disposal of waste:	Dry waste:	Fly ash will be sent to brick manufacturer / secured landfill. Spent corn con will be burnt as fuel in boiler/ Thermic Fluid heater.
	Wet waste:	--
	Hazardous waste:	Hazardous waste will be disposed off as per Hazardous waste rule 2016.
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	Location(s):	As per norms
	Area for the storage of waste & other material:	As per norms
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2 lakh (as per existing EC)
	O & M cost:	5 lakh pr annum (as per existing EC)

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29. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	6-9	6.5-9	6.5-9
2	Chemical oxygen demand	mg/L	2500-3000	< 250	< 250
3	Biological oxygen demand	mg/L	1000-1500	<100	<100
4	Total Dissolved solids	mg/L	1100-1200	< 2100	2100
5	Total suspended solids	mg/L	150-200	< 100	100
6	Oil & Grease	mg/L	< 10	< 10	10
7	Chlorides	mg/L	250-300	< 600	600
8	Sulphates	mg/L	250-300	< 1000	< 1000
Amount of effluent generation (CMD):		72 cmd			
Capacity of the ETP:		75 cmd			
Amount of treated effluent recycled :		72 cmd			
Amount of water send to the CETP:		Not applicable. Unit will maintain ZERO LIQUID DISCHARGE FACILITY.			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Pre- treatment tank > Oil & Grease trap > Collection tank > Fenton treatment > Neutralization tank > Pri. clarifier > Aeration tank > Sec. clarifier > Sand filter > Activated carbon filter > Treated water collection tank			
Disposal of the ETP sludge		Not applicable			

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30.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical sludge from waste water treatment	35.3	TPA	30	0	30	CHWTSDF
2	Distillation Residue	20.3	TPA	275	150	425	CHWTSDF/ Used as Fuel in Boiler
3	Distillation Residue (chlorinated)	20.3	TPA	25	0	25	CHWTSDF
4	Contaminated filter/ Bags	33.2	TPA	2	0	2	CHWTSDF
5	Process residue (iron sludge)	28.1	TPA	45	0	45	CHWTSDF
6	Spent Catalyst	28.2	TPA	225	20	245	CHWTSDF/ Authorized Recycler/ Return to manufacturer
7	Spent Charcoal	28.3	TPA	40	0	40	CHWTSDF/ Used as Fuel in Boiler
8	Contaminated Drums/ Barrels/ liners	33.1	Nos./A	500	300	800	MPCB authorized Drum recycler

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	Thermopac (Existing)	Coal- 240 kg/day	1	30	--	--
2	Reactor (Existing)	--	2	11	--	--
3	320 KVA DG set (Existing)	HSD- 64 Lit/Hr	3	3.5	--	150
4	3 TPH Boiler (Existing)	Coal- 15 TPD	4	30	0.6	180
5	6 lacKcal/Hr thermic fluid heater (Existing)	Furnace oil- 1.7 TPD	5	30	0.35	240
6	HCl scrubber (Existing)	--	6	18	--	ambient temp
7	Ammonia scrubber (Existing)	--	7	18	--	ambient temp
8	H2S scrubber (Existing)	--	8	18	--	ambient temp
9	320 KVA DG set (Proposed)	HSD- 64 Lit/Hr	9	3.5	--	150

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	15.24 TPD	0	15.24 TPD
2	Furnace oil	1.7 TPD	0	1.7 TPD
3	HSD	64 Lit/Hr	64 Lit/Hr	128 Lit/Hr
Source of Fuel		From nearby vendors		
Mode of Transportation of fuel to site		By road		

33.Energy

Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Co. Ltd.
	During Construction Phase: (Demand Load)	320 KVA
	DG set as Power back-up during construction phase	320 KVA DG set (in case of emergency)
	During Operation phase (Connected load):	320 KVA
	During Operation phase (Demand load):	320 KVA
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	2 nos. of 320 KVA DG set (in case of emergency)
	Fuel used:	HSD: 64 Lit/Hr each DG set (in case of emergency)
	Details of high tension line passing through the plot if any:	Not applicable

34. Energy saving by non-conventional method:

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36. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	--	--

37. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air pollution	Dust collector/ Bag filter & Adequate stack height	--
Water pollution	Effluent treatment plant	--
Solid & Hazardous waste	Disposed of to CHWTSD/ Recyclr	--
Noise pollution	Enclosure/ PPE	--

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	10 Lakhs (as per existing EC)
	O & M cost:	--

38. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

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	Air Pollution Control (as per existing EC)	20	2
2	Monitoring	Environment Monitoring (as per existing EC)	5	2
3	Water	Water Pollution Control (as per existing EC)	45	5

4	Solid waste	Hazardous waste & Solid waste management (as per existing EC)	2	5
5	Green Belt	Green Belt development (as per existing EC)	2	3
6	Health & safety	Occupational health & safety (as per existing EC)	--	2
7	CSR activities	Social welfare & upliftment (as per existing EC)	--	12
8	Other Green Initiatives	Rain Water Harvesting (as per existing EC)	10	1
9	Other Green Initiatives	Solar Power/LED (as per existing EC)	5	--
10	Other Green Initiatives	Energy Conservation (as per existing EC)	5	--

39.Storage of chemicals (inflammable/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
Methanol	Existing	within plot	5 Nos. each 15 KL	75 KL	132	Nearby source	By road tanker
Hydrogen gas	Existing	within plot	120 Nos. (2.49 kg per cylinder)	299 Kg	3.5	Nearby source	Pipeline
Toluene	Existing	within plot	2 Nos. each 15 KL	30 KL	1.4	Nearby source	By road tanker
Furnace oil	Existing	within plot	1 Nos. of 15 KL	15 KL	51	Nearby source	By road tanker

40.Any Other Information

No Information Available

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	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)- B
	Court cases pending if any	Not applicable
	Other Relevant Informations	Galaxy Laboratories Pvt. Ltd. applied for Environmental clearance for various products under Category 5(f)- B as per EIA notification, 2006, in October 2015 (Proposal No. SIA/MH/IND2/3422/2015) and received the Environmental clearance on 24th April 2017 vide EC letter No. SEIAA-EC-0000000048 from SEIAA, Maharashtra. We wish to increase our manufacturing capacity within existing facility. We request you to kindly allow us to re-use earlier Baseline monitoring data of Winter 2015-16 for Preparation of EIA report for Proposed expansion project as per MoEFCC OM no. J-11013/41/2006-IA-II (I) (Part) dated 29th August 2017. We request you to permit us as said above.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-12-2017

3. The proposal has been considered by SEIAA in its 140th 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:

I	PP to use briquettes as a fuel in the proposed plant. In case of non availability of briquette , PP may use coal having ash content less than 10%.
II	PP to prepare and implement CER plan in consultation with the District Authorities.
III	PP shall comply with the conditions mentioned with ANNEXURE XX of the Office Memorandum issued MoEF&CC vide F.No.22034/2018-IA.III dt. 09.08.2018.

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	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
IV	Proper Housekeeping programmers shall be implemented.
V	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.
VI	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
VII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
VIII	Arrangement shall be made that effluent and storm water does not get mixed.
IX	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.
X	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.
XI	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.
XII	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.
XIII	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.

XIV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
XV	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
XVI	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.
XVII	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.
XVIII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XIX	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
XX	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
XXI	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.
XXII	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.
XXIII	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, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral 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.
XXIV	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.
XXV	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.

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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, 1st Floor, 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. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. REGIONAL OFFICE MPCB NASHIK
10. REGIONAL OFFICE MIDC NASHIK
11. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
12. COLLECTOR OFFICE AHMEDNAGAR
13. COLLECTOR OFFICE JALGAON
14. COLLECTOR OFFICE DHULE
15. COLLECTOR OFFICE NANDURBAR
16. COLLECTOR OFFICE NASHIK

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Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2020

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000027042

Submitted Date

23-09-2020

Company Information

Company Name

Galaxy laboratories Pvt. Ltd.

Application UAN number

MPCB -CONCENT- 0000054197

Address

MIDC Newasa industrial Area , Aurangabad - pune Highway ,Near Ghodegaon

Plot no

plot no. B-10

Taluka

Newasa

Village

Shingave- Tukai

Capital Investment (In lakhs)

2351.71

Scale

L.S.I.

City

AHMEDNAGAR

Pincode

414607

Person Name

Shrikant Deshmukh

Designation

Managing Director

Telephone Number

9822029283

Fax Number

91-240-2377119

Email

shrikant.d@galaxylaboratories.com

Region

SRO-Ahmednagar

Industry Category

Red

Industry Type

other

Last Environmental statement submitted online

yes

Consent Number

0000054197

Consent Issue Date

16.03.2019

Consent Valid Upto

31.03.2023

Product Information

Product Name

HYDROGEN GAS

Consent Quantity

192.24

Actual Quantity

169.71

UOM

MT/A

Furfuraldehyde (fufural)

600

0

MT/A

Furfural amine

480

0

MT/A

Cis Pinene

1200

1150

MT/A

cyclohexenyl Ethyl Amine (CHEA)

120

0

MT/A

Tribendazole (crude)

60

0

MT/A

5- Chloro-4-Amono,2,1,3 Benzothidazole

24

0

MT/A

Citronellal

166.8

165.6

MT/A

Betaphenyl Ethyl Amine

240

20

MT/A

Polly Allyamine hydrochloride (PAAH)

36

7.8

MT/A

Chlorohexanone (6 - chloro -2-Hexanone)

60

0

MT/A

By-product Information

By Product Name

Consent Quantity

Actual Quantity

UOM

spent acid	42.5	0	MT/A
Sodium hyposulphide	9.3	0	MT/A
spenyt catalyst	51	8.95	MT/A
Distillation residue (CHLORINATED)	6	0	MT/A
Distillation residue	209	3.14	MT/A

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day	
	20	2.66	
Cooling	89	25	
Domestic	28	5	
All others	28	22	
Total	165	54.66	

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade effluent	45	2.5	CMD
Domestic effluent	25	5.0	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
Hydrogen gas	714	795	KL/A
Cis pinene	0	0	KL/A
Betaphenyl ethyl Amines	0	0	KL/A
cironellal	0	0	KL/A
polly allylamine Hydrochloride	0.691	13	KL/A

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
Methanol	1157	1184.191	MT/A
water	777	795	MT/A
Alphapinene	0	1150	MT/A
Pricat	0	7.24	MT/A
Hydrogen gas	0	22.77	MT/A
Nitrogen gas	0	4.48	MT/A
Benzyl cyanide	92.46	52.42	MT/A
Ammonia	7.89	4.47	MT/A
Nikel catalyst	4.57	2.59	MT/A
Hydrogen gas	4.36	2.42	MT/A
Nitrogen gas	0.83	0.47	MT/A
Citral	0	0.203	MT/A
Raney nikel catalyst	0	0.99	MT/A

Hydrogen gas	0	2.98	MT/A
Nitrogen gas	0	0.99	MT/A
Allyamine	9.2	31.2	MT/A
HCL 30 %	17.43	59.12	MT/A
Water	6.76	22.93	MT/A
catalyst (V806)	1.19	4.06	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
LDO	20.4	11.16	MT/A

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	Standard	Reason
	Quantity	Concentration	%variation		
Total suspended solids	2.5 kL/day	86 mg/lit	NA	100mg/lit.T	NA
Chemical oxygen demand (COD)	2.5 kL/day	153.85 mg/lit	NA	250mg/lit.	NA
Biological oxygen demand (BOD)	2.5 kL/day	29 mg/lit	NA	30mg/lit	NA
Chlorides Cl2	2.5kL/day	103.97mg/lit.	NA	NA	NA
Sulphates as So4	2.5kL/day	10. mg/lit	NA	NA	NA
Oil & Grease	2.5kL/day	<2.0 mg/lit	NA	10. mg/lit	NA

[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	Standard	Reason
	Quantity	Concentration	%variation		
Sulphur dioxide	1700kg/day	10.68	NA	50	NA
Oxides of Nitrogen	1700kg/day	14.36	NA	50	NA
Particulate Matter PM 10	1700kg/day	90.12	NA	150	NA

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
35.3 Chemical sludge from waste water treatment	0	3.70	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
28.2 Spent catalyst	0	8.95	MT/A
20.3 Distillation residues	0	3.14	MT/A
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	0	300	Nos./Y

SOLID WASTES**1) From Process**

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Boiler ASH	32.132	67.185	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Discarded barrels	NA	300	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
20.3 Distillation residues	NA	3.14	MT/A

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
35.3 Chemical sludge from waste water treatment	3.07	MT/A	NA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
NA	NA	MT/A	NA

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	NA	NA	NA	NA	NA	NA

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)
PLANTATION	50 TREES	0.50 lacks
Arrangement of waste food (Bio- treatment)	2 food digester arrange	1.0 lacks

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
PLANTATION	25 trees	0.25 lacks
Arrangement of waste food (Bio- treatment)	2 food digester arrangement	0.25 lacks

Any other particulars in respect of environmental protection and abatement of pollution.

Particulars

NO suggestion

Name & Designation

shrikant Deshmukh Managing Director

Compliance status report

Galaxy Laboratories Private Limited, MIDC Newasa, Ahmednagar

Annexure -I

Ref	Environmental Clearance Letter No. SEIAA-EC-0000000469 dated 29.10.2018.
To	Galaxy Laboratories Private Limited
For	Expansion of existing Synthetic Organic chemicals manufacturing facility by Galaxy Laboratories Pvt. Ltd., Plot No. B-10, MIDC Newasa, Tukai- Shingve, Dist. Ahmednagar
Status	Project Implemented

Sr. No.	Specific Conditions	Remarks
I	PP to use briquettes as a fuel in the proposed plant. In case of non-availability of briquette, PP may use coal having ash content less than 10%.	Due to irregular briquette supply we are using coal as fuel having ash content less than 10%. We have installed adequate Dust collector, Bag filter with Stack height as APC to minimize particulate emissions from fuel burning source.
II	PP to prepare and implement CER plan in consultation with the District Authorities.	CER plan submitted to District collector for approval. Rs. 2.5 lakhs spent on CER activity & balance amount will be spend as per project progress.
III	PP shall comply with the conditions mentioned with ANNEXURE XX of the Office Memorandum issued MoEF&CC vide F.No.22034/2018-IA.III dt. 09.08.2018.	We are complying all the applicable conditions as per Office Memorandum issued MoEF&CC vide F.No.22034/2018-IA.III dt. 09.08.2018 for our project.
General Conditions		
I	PP to achieve Zero Liquid Discharge; PP shall ensure that there is no increase in the effluent load to CETP.	We confirm that the unit is maintaining Zero Liquid Discharge (ZLD) facility. No Effluent is sent to CETP.
II	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.	We confirm that no additional land is used/ acquired without proper permission & same will be followed.
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.	We have taken utmost precaution for the health and safety of the people working in the unit & for protecting the environment.
IV	Proper Housekeeping programmers shall be implemented.	Proper housekeeping is already implemented on our site.
V	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.	We confirm that in case of failure of pollution control system, unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
VI	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).	Adequate stack height is provided for DG set.

Compliance status report

Galaxy Laboratories Private Limited, MIDC Newasa, Ahmednagar

Sr. No.	Specific Conditions	Remarks
VII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Rain water collection tank of 302 KL is constructed.
VIII	Arrangement shall be made that effluent and storm water does not get mixed.	Storm water drainage is constructed as per MIDC norms. Arrangements have been made that storm water & effluent will not mixed. All Storm water drains are connected to MIDC storm drain. Effluent is treated in ETP & fully recycled.
IX	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.	Not applicable. No extraction of ground water is envisaged. Fresh water for site is sourced from MIDC.
X	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.	We are maintaining Noise levels as per standards & same will be continued. We have also provided requisite PPE's for person working in high noise area.
XI	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.	We have provided acoustic enclosures, silencers to maintain noise levels within standards as per Environment (Protection) Act, 1986 Rules, 1989.
XII	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.	We have developed green belt of 11,718.63 sq. m as per CPCB guidelines.
XIII	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	We confirm that we have provided adequate safety measures limit the risk zone within the plant boundary, in case of an accident. We have also provided Leak detection devices for early detection and warning.

Compliance status report

Galaxy Laboratories Private Limited, MIDC Newasa, Ahmednagar

Sr. No.	Specific Conditions	Remarks
	detection and warning.	
XIV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	We have done occupational health surveillance of the workers on regular basis and records are maintained as per Factories Act.
XV	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	We have provided arrangements for protection of possible fire hazards during manufacturing process during material handling.
XVI	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 confirm that we are complying all applicable conditions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. We have also obtained authorization from MPCB for disposal of hazardous wastes.
XVII	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.	We are conducting mock drills as per On - site emergency plan.
XVIII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	A separate environment management cell is available and they ensured implementation of stipulate environmental safeguards.
XIX	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.	We have implemented environmental protection measures as applicable for our project.
XX	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	Advertisement regarding Grant of EC was made on 05.11.2018.

Compliance status report

Galaxy Laboratories Private Limited, MIDC Newasa, Ahmednagar

Sr. No.	Specific Conditions	Remarks
	seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter is available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in	
XXI	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 1 st June & 1 st December of each calendar year.	Noted & will be followed.
XXII	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.	EC letter copy submitted to MIDC. EC letter copy displayed on company website.
XXIII	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. SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral 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.	Noted & will be followed.
XXIV	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 followed.
XXV	The environmental statement for each financial year ending 31 st March in Form-	Noted & will be followed.

Compliance status report

Galaxy Laboratories Private Limited, MIDC Newasa, Ahmednagar

Sr. No.	Specific Conditions	Remarks
	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.	