STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:June 24, 2020

To,
Mr. Shyam Titirmare
at Notified Industrial Area, MIDC Butibori, Plot no. G-95/1, Village: Kirmiti, Tehsil Hingna, District Nagpur-441 122, Maharashtra.

Subject: Environment Clearance for Proposed API Intermediate manufacturing unit (M/s Chemiker Pharmaceuticals Private Ltd.)

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 183rd - Day-1rd 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 198th meetings.

2. It is noted that the proposal is considered by SEAC-I under screening category B1 as per EIA Notification 2006.

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

1.Name of Project	PROPOSED API INTERMEDIATE MANUFACTURING UNIT (456 TPA) (M/s Chemiker Pharmaceuticals Private Ltd.)
2.Type of institution	Private
3.Name of Project Proponent	Mr. Shyam Titirmare
4.Name of Consultant	Anacon Laboratories Private Limited, Nagpur
5.Type of project	Manufacturing of API intermediates
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Notified Industrial Area, MIDC Butibori, Plot no. G-95/1, Village: Kirmiti, Tehsil Hingna, District Nagpur-441 122, Maharashtra.
9.Taluka	Hingna
10.Village	Kirmiti
Correspondence Name:	Mr. Shyam Titirmare
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	Notified Industrial Area, MIDC Butibori, Plot no. G-95/1, Village: Kirmiti, Tehsil Hingna, District Nagpur-441 122, Maharashtra.
City:	Nagpur
11.Whether in Corporation / Municipal / other area	Notified Industrial Area, MIDC Butibori , Nagpur (MS)

12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 847.418
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOC from MIDC
15.Total Plot Area (sq. m.)	2000 Sq.M.
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**FSI area (sq. m.):** 617.648
	Non FSI area (sq. m.): NA
	Total BUA area (sq. m.): 617.648
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 06-01-2020
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	50000000

22.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	2,7-dichloro –a (dibutyl amino) methyl -9H-fluorene-4-methanol (DBA)	0	24.42	24.42
2	Tert-Butyl [(1S,2R)-1-benzyl-2-hydroxy-3-(isobutyl amino)propyl]carbamate	0	2.75	2.75
3	4-(2-Aminoethyl) phenol	0	5	5
4	Methyl 2-(1,8-diethyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl)acetate	0	5	5
5	Tetra methyl-1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetate	0	0.79	0.79

23.Total Water Requirement

Dry season:	**Source of water**	MIDC, Butibori
	Fresh water (CMD):	5.5 (daily make up water)
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	3
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	20 (Intake Day1 Requirement) • Domestic - 3.5 • Industrial Cooling Tower - 5.0 • Hot water generator– 11.5
	Fire fighting - Underground water tank(CMD):	60 KL (Dimension: 4.5x3.9x3.5=61.425m3.)
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	**Source of water**	MIDC, Butibori
	Fresh water (CMD):	5.5 (daily make up water)
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	3
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	20 (Intake Day1 Requirement) • Domestic - 3.5 • Industrial Cooling Tower - 5.0 • Hot water generator– 11.5
	Fire fighting - Underground water tank(CMD):	60 KL (Dimension: 4.5x3.9x3.5=61.425m3.)
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Details of Swimming pool (If any)	NA	

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	3.5	3.5	0	0.5	0.5	0	3.0	3.0
Industrial Process	0	0	0	0	0	0	0	0	0
Cooling tower & thermopack	0	2.0	2.0	0	2.0	2.0	0	-	-
Fresh water requirement	0	5.5	5.5	0	2.5	2.5	0	3	3

25.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre-monsoon season ranges from 5-10 mbgl and in Post-monsoon season ranges from 2-5 mbgl
	Size and no of RWH tank(s) and Quantity:	1.625 sqm one, approx. 946.39556 cum/year
	Location of the RWH tank(s):	Within plant area
	Quantity of recharge pits:	1
	Size of recharge pits :	1.625 sqm
	Budgetary allocation (Capital cost) :	3.5 lakhs
	Budgetary allocation (O & M cost) :	0.5lakhs
	Details of UGT tanks if any :	60 KL RCC tank, water underground storage tank should be used exclusively for Fire Fighting. Dimension: 4.5x3.9x3.5=61.425m3
26.Storm water drainage	**Natural water drainage pattern:**	The industry is located in Butibori MIDC area where all the facilities are made available by MIDC. The land is having gentle slope and dendritic drainage pattern
	Quantity of storm water:	946.395 m^3
	Size of SWD:	300 MM

27.Sewage and Waste water	**Sewage generation in KLD:**	3.0
	STP technology:	MBBR technology
	Capacity of STP (CMD):	one no. and 4 KLD
	Location & area of the STP:	Within plant area and 4.03 sqm
	Budgetary allocation (Capital cost):	14 lakhs
	Budgetary allocation (O & M cost):	3 lakhs

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Topsoil and other construction waste
	Disposal of the construction waste debris:	Topsoil removed during the leveling will be stacked separately and will be used during the greenbelt development
Waste generation in the operation Phase:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	1.Process Residues and organic Waste 22.03 TPA, 2.-Discarded container HDPE-10 drums, MS -20 drums, 3.Process Residues and inorganic salt 15.32 TPA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	Cooling tower will be cleaned fully once in a month and accumulated dust/suspended particles (max 5 kg)
Mode of Disposal of waste:	**Dry waste:**	NA
	Wet waste:	NA
	Hazardous waste:	1. Process Residues and organic Waste disposed as Incineration at TSDF site, 2. Discarded container: Drums will be sent back to supplier for refilling. 3. Process Residues and inorganic salt Disposal by Sale to authorized recycler.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	will be disposed off in garden
Area requirement:	**Location(s):**	Organic waste area
	Area for the storage of waste & other material:	16.0SQM
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	5 lakhs
	O & M cost:	1 lakh

29.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA

Amount of effluent generation (CMD):	1 kl/month
Capacity of the ETP:	NA
Amount of treated effluent recycled :	No effluent treatment
Amount of water send to the CETP:	1 kl/month
Membership of CETP (if require):	CPPL will get CETP membership after getting CTO letter
Note on ETP technology to be used	NA
Disposal of the ETP sludge	NA

30.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Process Residues and organic Waste	1.4	TPA	NA	Process (DBA)	14.79	Incineration at TSDF site
2	Process Residues and organic Waste	1.4	TPA	NA	Tert-Butyl [(1S,2R)-1-benzyl-2-hydroxy-3-(isobutyl amino)propyl]carbamate	3.01	Incineration at TSDF site
3	Process Residues and organic Waste	1.4	TPA	NA	4-(2-Aminoethyl) phenol	1.71	Incineration at TSDF site
4	Process Residues and organic Waste	1.4	TPA	NA	Methyl 2-(1,8-diethyl-1,3,4,9-tetrahydropyrano[3,4-b]indol-1-yl)acetate	2.52	Incineration at TSDF site
5	Process Residues and inorganic salt	28.1	TPA	NA	Tetra methyl-1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetate	15.32	Sale to authorized recycler
6	Discarded HDPE and MS container	33.1	TPA	NA	Production	10 and 12	Drums will be sent back to supplier for refilling.

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	Hot water generator (400000kcal/hr –less than 1 ton)	Briquette	1	15	0.5	140 degC
2	DG Set	HSD	1	6	0.2	200 deg C

32.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Briquette	NA	151 kg/hr	151 kg/hr
2	HSD	NA	44 L/H	44 L/H
33.Source of Fuel		Nearest Fuel Station & Nearby Market		
34.Mode of Transportation of fuel to site		By Road		

35.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):	160 KVA
	During Operation phase (Demand load):	NA
	Transformer:	NA
	DG set as Power back-up during operation phase:	175 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

Energy saving by non-conventional method:

• Energy efficient machineries shall be used during operation phase.
• For domestic purpose solar system will be used
• Minimum light points and power consuming apparatus will be proposed.
• Energy efficient LED fittings will be proposed in the street lighting
• Energy saving shall be made by the use of electronic timers in the automatic off/on operation of the street lighting.
• Purchase of energy efficient appliances
• Solar lighting will be proposed for landscape, street lighting, parking areas
• Adjusting the settings and illumination levels to ensure minimum energy used for desired comfort levels
• Use of compact fluorescent lamps and low voltage lighting
• Solar photovoltaic systems: Solar power will be planned 6 KVA + 6 KVA. Solar lighting will be proposed for landscape, street lighting, parking areas.

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	All above energy saving measures	10-25%

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	NA	Dust Collector
Water	NA	STP and softening plant
Hazardous Waste	NA	Sent to TSDF

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12 lakhs
	O & M cost:	0.5lakh

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	Environmental Monitoring	Environmental Monitoring	-	12
2	Air Pollution	Dust collector	18	5
3	Water Pollution	STP+softening plant	14	3
4	Rain water harvesting	Rain water harvesting structure	3.5	0.5
5	Solid /Hazardous Waste Management	TSDF	6	1
6	Occupational Health and Noise Pollution	Health Care and PPE for workers	4	1
7	Green Belt	Native Species will be planted	5	1
8	Energy conservation	Solar photovoltaic systems And LED	12	0.5

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
Methanol	Plant day Tank	Plant	5 ton	5 ton	-	Thane, Maharashtra	Road(by tanker)
Butanol	Storage Tank	Storage Area	8 ton	8 ton	-	Thane, Maharashtra	Road(by tanker)
MDC	Storage Tank	Storage Area	5 ton	5 ton	-	Bhivendi-Thane, Maharashtra	Road 200litr drums
Acetonitrile	Plant day Tank	Plant	2 ton	1.5 ton	-	Mumbai, Maharashtra	Road 200litr drums
Toluene	Plant day Tank	Plant	3 ton	2 ton	-	Bhivendi-Thane, Maharashtra	Road 200litr drums
Diphenyl ether	Drum	Storage Area	2 ton	2 ton	-	Vapi, Gujrat	Road 200litr drums
N-methyl pyrrolidone	Drum	Storage Area	2 ton	2 ton	-	Vapi, Gujrat	Road 200litr drums

40.Any Other Information

No Information Available

	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No
	Category as per schedule of EIA Notification sheet	B1
	Court cases pending if any	No
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	25-02-2019

3. The proposal has been considered by SEIAA in its 198th 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 implement the Guidelines for restoration of manufacturing industries after lockdown period issued by Ministry of Home Affairs, National Disaster Management Authority on 09.05.2020.
II	PP to provide adequate capacity scrubbers to the process vents to mitigate air pollution.
III	PP to obtain CHWTSDF permission before commissioning of the project.
IV	PP to provide Continuous Emission Monitoring System (CEMS) for monitoring of air emissions and connect the same to the MPCB and CPCB servers.
V	PP to ensure use of briquette as a fuel to the utilities.
VI	PP to provide sewage treatment plant for the treatment of domestic waste water.
VII	PP to obtain CETP permission for discharge of utility and floor cleaning/equipment cleaning waste water as no waste water generates from the process
VIII	PP to ensure to obtain PESO approval for storage of flammable and toxic chemicals on site.
IX	PP to prepare & implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018.
X	PP to ensure that CER plan gets approved from District Collector.
XI	PP to submit revised MIDC approval.
XII	PP to ensure to comply with the conditions stipulated in the Office Memorandum issued by MoEF& CC dated 9th August, 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. 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.
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.

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 NAGPUR

6. REGIONAL OFFICE MPCB NAGPUR

7. REGIONAL OFFICE MIDC NAGPUR

8. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD

9. COLLECTOR OFFICE BHANDARA

10. COLLECTOR OFFICE NAGPUR

11. COLLECTOR OFFICE WARDHA

12. COLLECTOR OFFICE GADCHIROLI