



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date: May 17, 2018

To,
Mr Samir Mody
at Plot No. T-24,25,26,27,39, MIDC Tarapur

Subject: Environment Clearance for Specialty & fine Chemicals/dye intermediates & organic synthetic chemical
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 148th 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 129th meetings.

2. It is noted that the proposal is considered by SEAC-I under screening category 5(F) B1 as per EIA Notification 2006.

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

1.Name of Project	Chemco Innovative Chemie Pvt. Ltd
2.Type of institution	Private
3.Name of Project Proponent	Mr Samir Mody
4.Name of Consultant	SGM Corporate Consultant Pvt Ltd
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No. T-24,25,26,27,39, MIDC Tarapur
9.Taluka	Palghar
10.Village	Tarapur
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 3850
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	4600
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.): 3850

SEIAA Meeting No: 129 Meeting Date: May 9, 2018 (SEIAA-STATEMENT-000000590)
SEIAA-MINUTES-0000000419
SEIAA-EC-0000000312

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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)	2325
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	50
21.Estimated cost of the project	6000000



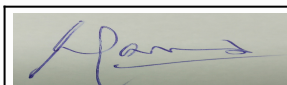
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22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	3,5-Dinitrobenzoic Acid	33.0	00	33.0
2	Meta Nitrobenzoic Acid	or 33.0	00	or 33.0
3	Meta Nitro Benzoic Acid (Sodium Salt)	or 33.0	00	or 33.0
4	3,5-Dinitro Salicyclic Acid	or 33.0	00	or 33.0
5	Mucic Acid	or 33.0	00	or 33.0
6	Michler's Hydrol	or 33.0	00	or 33.0
7	2-Thiobarbituric Acid	or 33.0	00	or 33.0
8	3,5-Dinitro Aniline	or 33.0	00	or 33.0
9	Meta Amino Benzoic Acid	or 33.0	00	or 33.0
10	Lead Sulphate	or 33.0	00	or 33.0
11	2,3-Dimethylbromobenzene (BR-Xylidine)	00	72	72
12	4-Chloronitrobenzene (In 55% DMF Solution)	00	or 72	or 72
13	Ethyl-N-(4-Nitro-Phenyl)-Acetimidate	00	or 72	or 72
14	O-(4-Nitrophenyl)-Hydroxylamine	00	or 72	or 72
15	5,5 Azobis(2,4,6-Pyrimidinetriol) OR (A B Acid) and other Dyes Intermediates	00	or 72	or 72
16	3,5 Diamino Benzoic Acid	00	or 72	or 72
17	5-Nitro Isophthalic Acid	00	or 72	or 72
18	4,4' Methylenebis(N,N-Dimethylaniline)	00	or 72	or 72
19	2,4,6,8-Tetra Hydroxy Pyrimido[5,4-d] Pyrimidine	00	or 72	or 72
20	Nitro Orotic Acid	00	or 72	or 72
21	2-Thiobarbituric Acid(Sodium Salt)	00	or 72	or 72
22	Ethyl N-Hydroxyacetimidate	00	or 72	or 72
23	Spent Acid	72.0	108	180

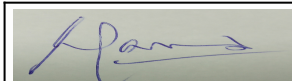
23. Total Water Requirement

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	

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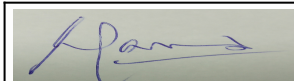
24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	10	00	10	02	00	02	08	00	08
Industrial Process	35	10	45	11	00	11	24	10	34
Cooling tower & thermopack	05	05	10	4.5	4.5	9.0	0.5	0.5	1.0
Gardening	10	00	10	10	00	10	00	00	00

25.Rain Water Harvesting (RWH)	Level of the Ground water table:	4.5 m
	Size and no of RWH tank(s) and Quantity:	2 x 20 cum
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	4.0
	Budgetary allocation (O & M cost) :	0.25
	Details of UGT tanks if any :	1 x 100 cum, 1 x 50 cum , 1` x 150 cum

26.Storm water drainage	Natural water drainage pattern:	MIDC Drain
	Quantity of storm water:	0.35 cum/sec
	Size of SWD:	300 x 400 mm

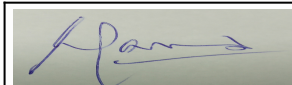
27.Sewage and Waste water	Sewage generation in KLD:	08
	STP technology:	Septik tank
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	2.5
	Budgetary allocation (O & M cost):	0.50



28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	NA
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	05
	Wet waste:	07
	Hazardous waste:	Process Residues, ETP Sludge etc
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	MIDC
	Wet waste:	MIDC
	Hazardous waste:	CHWTSDF Site Taloja
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

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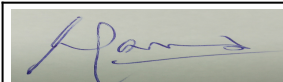
**Shri Satish.M.Gavai (Member
Secretary SEIAA)**

29.Effluent Charecterestics

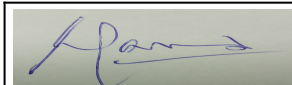
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	log	2.5-3.0	5.5 -9.0	5.5-9.0
2	BOD	mg/lit	2250-2700	<100	<100
3	COD	mg/lit	5620 - 6410	<250	<250
4	TSS	mg/lit	300-450	<100	<100
Amount of effluent generation (CMD):		35			
Capacity of the ETP:		45			
Amount of treated effluent recycled :		11			
Amount of water send to the CETP:		24			
Membership of CETP (if require):		Yes			
Note on ETP technology to be used		Physico-chemical treatment & Teritiary treatment			
Disposal of the ETP sludge		CHWTSDF Site Taloja			



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30.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	5.1	TPM	0.04	0.04	0.08	Recycler
2	Process Residue	28.1	TPM	18	12	30	CHWTSDF
3	ETP Sludge	34.3	TPM	75	25	100	CHWTSDF
4	Evaporation Residue	36.3	TPM	00	50	50	CHWTSDF
5	Discarded Containers	33.3	NO.	50	25	75	Reuse/Sel
6	Contaminated filter cloths/centrifuges bags	35.1	TPM	0.5	0.1	0.6	Reuse/Sel
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	FO/Briquettes/Biomass Fuel/Gas	1	14	0.4	120	
2	Boiler	FO/Briquettes/Biomass Fuel/Gas	1	14	0.4	120	
3	Boiler	FO/Briquettes/Biomass Fuel/Gas	1	14	0.4	120	
4	Scrubber	NA	1	9.0	0.2	40	
5	Scrubber	NA	1	6.5	0.2	40	
6	Scrubber	NA	1	6.5	0.2	40	
7	Scrubber	NA	1	9.0	0.2	40	
8	Scrubber	NA	1	9.0	0.2	40	
9	Scrubber	NA	1	9.0	0.2	40	
32.Details of Fuel to be used							
Serial Number	Type of Fuel	Existing	Proposed	Total			
1	FO/Briquettes/Biomass Fuel/Gas	1.0	1.0	2.0 TPD/KLD			
33.Source of Fuel		Local vendor					
34.Mode of Transportation of fuel to site		By Road					
35.Energy							



Power requirement:	Source of power supply :	MSEB
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	500 KVA
	During Operation phase (Demand load):	375 KVA
	Transformer:	500 KVA
	DG set as Power back-up during operation phase:	2 X 200 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

Energy saving by non-conventional method:

use of LED lights

36.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	use of LED lights	NA

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Emissions from Process	Scrubber	Scrubber
Effluent generation	ETP	MEE
Noise	Acoustic Enclosures	Acoustic Enclosures
Hazardous waste	CHWTSDF	CHWTSDF

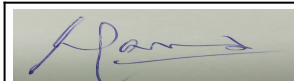
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2.0
	O & M cost:	0.15

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	PM-10, PM 2.5, SO2 etc	10.0	1.0
2	Water Pollution Control	pH, COD, BOD, TSS etc	45.0	7.50
3	Noise Pollution Control	Noise	5.0	0.25
4	Hazardous Waste	Soil Contamination	2.0	5.0
5	Green Belt	Plantation	0.50	0.25
6	Occupation health	Safety Mesaures	5.0	1.0

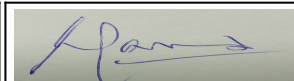
39.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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
Sulphuric Acid	Corrosive	MS Tank	50	50	30-45	Local vendors	By road
Hydrochloric Acid	Corrosive	HDPE tank	15	15	10-12	Local vendors	By road
Oleum (23 %)	toxic	MS Tank	30	30	25	Local vendors	By road
Nitric Acid	Corrosive	Aluminium Tank	25	25	20	Local vendors	By road

40.Any Other Information

No Information Available

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	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5(F) B1
	Court cases pending if any	NA
	Other Relevant Informations	TOR is approved in 135th SEAC meeting dated 22/09/2016.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	06-09-2016

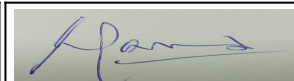
3. The proposal has been considered by SEIAA in its 129th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	PP to submit list of trees and its quantity to planted in the green belt.
II	PP to provide solar energy for administrative building and street lights.
III	7200

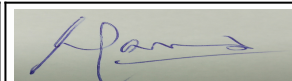
General Conditions:

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, 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.
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.

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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.

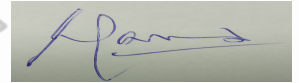
6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

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 Satish.M.Gavai (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 MIDC TARAPUR
10. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
11. COLLECTOR OFFICE PALGHAR

