

Agenda of 189th Meeting of State Level Expert Appraisal Committee-1 (SEAC-1)


SEAC Meeting number: 189th - Day-3 **Meeting Date** August 8, 2020

Following members of SEAC-1 were present for videoconference.

- | | |
|------------------------------|-----------------|
| 1. Shri. Umakant Dangat | - Chairman |
| 2. Shri. Arvind Dhole | - Expert Member |
| 3. Shri. K.M.Shah | - Expert Member |
| 4. Shri. P.P.Nandusekar | - Expert Member |
| 5. Shri. S.N.Patil | - Expert Member |
| 6. Shri. Abhay Thakur | - Expert Member |
| 7. Shri. Hemant Sahasrabudhe | - Expert Member |
| 8. Shri. Abhay Pimparkar | - Secretary |

The minutes of the meeting are finalised during videoconference. Due to present pandemic situation minutes could not be physically signed.

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**Abhay Pimparkar (Secretary
SEAC-I)**

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Signature: 
Name: Dr. Umakant Dangat
**Dr. Umakant Dangat
(Chairman SEAC-I)**

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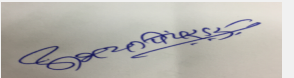
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Subject: Environment Clearance for Environment Clearance for: Existing Existing API Manufacturing Plant and R&D at Plot No. A - 2, MIDC Patalganga, Khalapur, District Raigad, Maharashtra by M/s. Cipla Limited

Is a Violation Case: Yes

1.Name of Project	Environmental Clearance for Existing Existing API Manufacturing Plant and R&D at Plot No. A - 2, MIDC Patalganga, Khalapur, District Raigad, Maharashtra by M/s. Cipla Limited
2.Type of institution	TOR
3.Name of Project Proponent	Cipla Limited
4.Name of Consultant	Kadam Environmental Consultants, Vadodara, Gujarat
5.Type of project	NA
6.New project/expansion in existing project/modernization/diversification in existing project	Violation Case
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NO
8.Location of the project	Plot No. A - 2, MIDC Patalganga
9.Taluka	Khalapur
10.Village	Patalganga
Correspondence Name:	Mr. Sanjay Mhaske
Room Number:	Plot No. A - 2, MIDC Patalganga
Floor:	NA
Building Name:	Cipla Limited
Road/Street Name:	MIDC Patalganga
Locality:	Khalapur
City:	MIDC Patalganga
11.Whether in Corporation / Municipal / other area	MIDC Patalganga
12.IOD/IOA/Concession/Plan Approval Number	Plot allotment letter received from MIDC IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 48502
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.)	Industrial Plot Area: 48502 m ²
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA b) Non FSI area (sq. m.): NA c) Total BUA area (sq. m.): 48502
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: 22-03-1993
19.Total ground coverage (m ²)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	2212700000

22.Number of buildings & its configuration


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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	NA	NA	NA	
23.Number of tenants and shops	NA			
24.Number of expected residents / users	NA			
25.Tenant density per hectare	NA			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	NA			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA			
29.Existing structure (s) if any	NA			
30.Details of the demolition with disposal (If applicable)	NA			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)



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1	<p>"Antihistaminie/ Anti-Inflammatory Drugs- (17 TPA) Loraketone/ Loratidine and its derivatives Desloratadine and its derivatives of Fexofenadine Hydrochloride and its derivatives OR Promethazine Hydrochloride and its derivatives OR Celecoxib and its derivatives OR Etoricoxib and its derivatives OR Meloxicam and its derivatives OR Rofecoxib and its derivatives OR Piroxicam or Leflunomide and its derivatives OR Tramadole Hydrochloride and its derivatives OR Valdecoxib and its derivatives OR Parecoxib Sodium and its Derivatives OR Divalprex Sodium and its derivatives OR Reloxifene Hydrochloride and its derivatives OR Mometosone Furate and its derivatives OR Lumefantrine & its derivatives. C16"</p>	1.41	0	1.41
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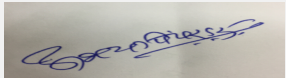
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2	<p>"Antidepressant Drugs- (27 TPA) Fluxetine Hydrochloride and its derivatives OR Racemic Alcohol Paroxetine Hydrochloride and derivatives and Venlafaxine Hydrochloride and its derivatives OR Bupropion Hydrochloride and its derivatives OR Citalopram Hydrobromide and its derivatives OR Duloxetine Hydrochloride and its derivatives OR Reboxetine Methane Sulfonate and its derivatives OR Sertraline Hydrochloride and its derivatives OR Torseamide and its derivatives OR Escitalopram oxalate & its derivatives. "</p>	2.25	0	2.25
3	<p>"Hormones- (3.5 TPA) Mestrelone and its derivatives OR HPC V OR Testosterone Enanthate and its derivativ+C6es OR Norethisterone and its derivatives OR Levonorgestryl and its derivatives OR Mifepristone and its derivatives."</p>	0.29	0	0.29


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4	<p>"Antibacterial/ Antifungal/ Antiviral Drugs-(52 TPA) Sulfamoxole and its derivatives OR Trimethoprim and its derivatives OR Ciprofloxacin and its derivatives OR Difloxacin and its derivatives OR Enrofloxacin and its derivatives OR Gatifloxacin and its derivatives OR Linezolid and its derivatives or Levofloxacin Hemihydrate and its derivatives OR Norfloxacin and its derivatives OR Ofloxacin and its derivatives OR Sparfloxacin and its derivatives OR Fluconazole and its derivatives OR Terbinafine Hydrochloride and its derivatives OR Aciclovir and its derivatives OR Didanosine and its derivatives OR Efaverinz and its derivatives OR Lamivudine and its derivatives OR Nelfinavir Mesylate and its derivatives OR Praziquantel and its derivatives "</p>	4.33	0	4.33
5	<p>"Cardiac Drugs/ Erectile Dysfunction -(25 TPA) Xantanol Niconate and its derivatives OR Atorvastatin Calcium and its derivatives OR Fluvastatin Sodium and its derivatives OR Oxyfedrine Hydrochloride and its derivatives OR Pitavastatin and its derivatives OR Pitavastatin Sodium and its derivatives OR Simvastatin and its derivatives OR Sildenafil Citrate and its derivatives OR Apomorphine and its derivatives"</p>	2.08	0	2.08

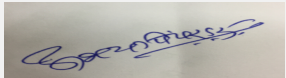

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6	<p>"Laxative / Anti Alcerative Drugs - (127 TPA) Bisacodyl and its derivatives OR Normacol and its derivatives OR Famotidine and its derivatives OR Lansoprazole and its derivatives OR Omeprazole, Omeprazole Magnesium / Sodium and its derivatives OR Pantaprazole and derivatives OR Rabeprazole and its derivatives."</p>	10.58	0	10.58
7	<p>"Antihypertensive Drugs - (24 TPA) Clonidine Hydrochloride and its derivatives OR Di-Pyridamole and its derivatives OR Verpamil Hydrochloride and its derivatives OR Amlodipine Besylate / Hydrochloride and its derivatives OR Amlodipine Besylate / Hydrochloride and its derivatives Atenolol and its derivatives OR Benzapril Hydrochloride and its derivatives OR Candesartan Cliexetil & its derivatives OR Carvedilol and its derivatives OR Diltiazem Hydrochloride and its derivatives OR Enalapril Maleate and its derivatives OR Metolazone and its derivatives OR Rampril and its derivatives OR S- Amlodipin Besylate and its derivatives OR Terazosin Hydrochloride Dihyrate and its derivatives OR Telmisartan & its Derivatives"</p>	2	0	2



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8	"Anti - Asthamatic Drugs - (72 TPA) Theophylline and its derivatives OR Etofylline and its derivatives OR Diprophylline and its derivatives OR Montelukast Sodium and its derivatives OR Salbutamol & its derivatives."	6	0	6
9	"Antiepileptic Drugs - (16 TPA) Carbamazepine and its derivatives "	1.33	0	1.33
10	"Anti Diabetic Drugs - (24 TPA) Sulphonamide/ Glibenclamide/ Glyburide and its derivatives OR Glimperide and its derivatives OR Pioglitazone Hydrochloride and its derivatives OR Repaglenide and its derivatives"	2	0	2
11	"Antispasmodic Drugs- (6 TPA) Mebeverine Hydrochloride and its derivatives "	0.5	0	0.5
12	"Anti Cancer/ Antineoplastic Drugs - (1 TPA) Fosfestrol and its derivatives OR Cyclophosphamide and its derivatives OR Exemestane and its derivatives."	0.08	0	0.08
32.Total Water Requirement				


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

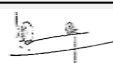
33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	50	0	50	30	0	30	20	0	20
Industrial Process	150	0	150	30	0	30	120	0	120
Cooling tower & thermopack	175	0	175	10	0	10	165	0	165
Gardening	46	0	46	46	0	46	0	0	0

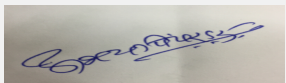

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	No RWH
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	NA
35.Storm water drainage	Natural water drainage pattern:	From South to North
	Quantity of storm water:	NA
	Size of SWD:	NA
Sewage and Waste water	Sewage generation in KLD:	20
	STP technology:	Sewage is being treated in ETP with industrial effluent
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Not Applicable as this is case of violation
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	Details are provided in S. No. 45
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA


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Mode of Disposal of waste:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	Disposal of Hazardous Waste as per MPCB / CPCB norms. (details are provided Point No. 45 below)
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	Near ETP
	Area for the storage of waste & other material:	4x4 m
	Area for machinery:	4945.31 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA


37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	8.18	7.38	5.5 - 9.0
2	Oil & Grease	mg/l	10	< 0.1	10
3	BOD	mg/l	312	13	100
4	TDS	mg/l	1476	114	2100
5	Suspended Solid	mg/l	132	18	100
6	COD	mg/l	958	40	250
7	Chlorides	mg/l	442.69	47.74	600
8	Sulphate	mg/l	48.25	8.75	1000

Amount of effluent generation (CMD):	150
Capacity of the ETP:	150
Amount of treated effluent recycled :	150
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	Effluent treatment comprising of Primary, Secondary & Tertiary treatment system, UF,RO,MEE
Disposal of the ETP sludge	ETP Sludge is being sent to MWML, Taloja for disposal by landfilling

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Residues and wastes	28.1	MT/Month	16	0	16	CHWTSDF
2	Spent catalyst/ spent carbon off specification products	28.2	MT/Month	2	0	2	CHWTSDF
3	Spent mother liquor	28.4	MT/Month	59	0	59	Sale to register recycler/ CHWTSDF
4	Spent organic solvents	28.5	MT/Month	70	0	70	Sale to register recycler/ CHWTSDF


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5	Chemical sludge from ETP	34.3	MT/Month	10	0	10	CHWTSDF
6	Used/ spent oil	5.1	MT/Month	4	0	4	Sale to register recycler
7	Date-expired, discarded and off-specification drugs/ medicine	28.3	MT/Month	59	0	59	CHWTSDF

39.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 1 (3.5 T/hr)	FO -130 Lit/day	1	32	1.1	150°C
2	Boilers (2 Nos., each of 2 T/hr) - Standby	FO -100 Lit/day for each boiler	1	32	1.1	150°C
3	DG Set (250 KVA)	HSD -35 Lit/hr	1	7	0.3	150°C
4	DG Set (1500 KVA)	HSD -210 Lit/hr	1	30	0.3	150°C
5	DG Set (1500 KVA)	HSD -210 Lit/hr	1	30	0.3	150°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	FO for Boilers	260 Lit/Day	0	260 Lit/Day
2	HSD for DG Sets	950 Lit/hr	0	950 Lit/hr

41.Source of Fuel

Local Market

42.Mode of Transportation of fuel to site

Tanker

43.Green Belt Development

Total RG area :	Existing:14217.45 m2
No of trees to be cut :	NA
Number of trees to be planted :	NA
List of proposed native trees :	NA
Timeline for completion of plantation :	NA

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NA	NA	NA	NA

45.Total quantity of plants on ground

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA


47.Energy



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Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	2648 kVA
	During Operation phase (Demand load):	1614 kVA
	Transformer:	2500KVA
	DG set as Power back-up during operation phase:	DG Sets of 2 nos.: 250 kVA,1500 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NO

48. Energy saving by non-conventional method:

Solar Energy

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	solar warm water system Installed for Warm water generator with evacuated tube type solar collector (panel) on utility terrace, Cap is 300000 Kcal/day ,Resulting in saving of thermal (steam) energy and reduce the steam consumption. Also save fuel and environment.	By solar warm water system : 5.23 Lakhs Rs.

50. Details of pollution control Systems


Source	Existing pollution control system	Proposed to be installed
Air	Adequate stck heights to stack to boilers and DG sets are provided and scrubbers to process vents are provided	NA
Water	Effluent Treatment Plant	NA
Noise	PPE, Acaustic Enclosure	NA
Solid Waste	Haz. Waste is being disposed to CHWTSDF	NA

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

51. 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


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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	Scrubbers & Dust Collector	55.61	43.73
2	Water Pollution Control	ETP, RO ,MEE	742.64	1114.43
3	Noise PollutionControl	Acoustic Enclosure to Blower and DG	37	10
4	Environment Monitoring and Management	Monitoring through MoEF approved Lab	NA	4.2
5	Green Belt	Maintenance of Green belt.	15	17
6	Solid Waste Management	Handling and disposal at CHWTSDF	9.5	40

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

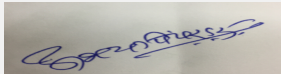
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Petroleum Class A in Bulk	NA	NA	90.00 KL	NA	NA	NA	NA
Petroleum Class B in Bulk	NA	NA	30.00 KL	NA	NA	NA	NA
Petroleum Class C in Bulk	NA	NA	64.00 KL	NA	NA	NA	NA
DP Store	NA	NA	40 KL	NA	NA	NA	NA
Non Classified Store	NA	NA	36 KL	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	NA
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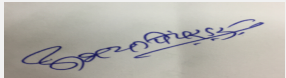
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	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) B
	Court cases pending if any	NA
	Other Relevant Informations	We have done application under violation case to MoEF vide Proposal Number IA/MH/IND2/68274/2017 on 09/09/2017. The case was transferred to SEAC Maharashtra vide Proposal Number SIA/MH/IND2/23401/2018. Again we have done application on state portal via MoEF vide Proposal number SIA/MH/IND2/23919/2018 on 09/04/2018 with reference to the public notice vide No. ENV-2018/Legal/CR-8.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	09-09-2017


SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable


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Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable
Air Quality & Noise Level issues	Not Applicable
Energy Management	Not Applicable
Traffic circulation system and risk assessment	Not Applicable
Landscape Plan	Not Applicable
Disaster management system and risk assessment	Not Applicable
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	Not Applicable
Any other issues related to environmental sustainability	Not Applicable
Brief information of the project by SEAC	

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PP submitted application under violation category as per Notification issued by MoEF&CC dated 08.03.2018. The proposal was considered in the 154th meeting of SEAC-1 held on 30.08.2018 wherein ToR was granted to the PP for the preparation of EIA/EMP report for 5(f) category as per standard TOR and additional TOR points mentioned below subject to the applicability of general conditions with respect to the distance of the proposed site from Karnala Hill Bird Sanctuary.

PP to refer to the Office Memorandum issued by MoEF&CC dated 19.08.2018 with respect to the standard conditions to be stipulated in the Environment Clearance letter for the Pharmaceutical industry to identify the impact of operations on the environment attributes and implement appropriate mitigation measures to reduce the impact.

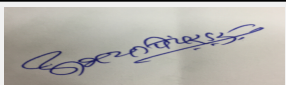
PP to identify all such activities on site which have impacted on the various verticals of the environment like Water, Air, Soil and Noise etc and compare it with the standard parameters to assess the damage as referred in the Notification dated 08.03.2018.

- 1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
- 2) PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
- 3) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc.
- 4) PP to submit project site details (location, top sheet of the study area of 10 km., coordinates, Google map, layout map, land use, geological features and geo hydrological status of the study area, drainage pattern etc.)
- 5) PP to submit details of Forest and Wild Life Eco sensitive zones if any in the study area and within the range of 5 km.
- 6) Land use of the study area delineating forest area, agricultural land, grazing land, wild life sanctuary, national parks, migratory routes of fauna, water bodies, human settlement and other ecological features to be indicated in the report.
- 7) PP to submit details of likely impact of the proposed project and work carried out without obtaining prior Environment Clearance on the environmental parameters (ambient air, surface and ground water, land, flora and fauna, ambient noise, climate change and socio economic etc.)
- 8) PP to assess ecological damage with respect to the air, water, land and other environmental attributes. The collection and analysis of data shall be done by an Environmental Laboratory accredited by NABL or a laboratory of a council of Scientific and Industrial Research (CSIR) Institution working in the field of Environment.
- 9) PP to prepare an EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- 10) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.
- 11) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
- 12) PP to carry out HAZOP and QRA and submit Disaster Management Plan.
- 13) PP to provide new and renewable energy sources for the illumination of the office building and street lights.

PP submitted EIA/EMP report and the proposal was considered in the 180th & 184th meeting of SEAC-1 held on 03.03.2020 & 05.06.2020 wherein PP requested to postpone the case.

PP submitted copy of letter obtained from the Dy. Conservator of Forest dated 31.10.2019 mentioning the distance of proposed project site from the Karnala Bird Sanctuary is 5.17 KM.

The EIA/EMP report was appraised in the 189th meeting of SEAC-1.

 Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 189th - Day-3 Meeting Date: August 8, 2020	Page 17 of 67	 Name: Dr. Umakant Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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DECISION OF SEAC

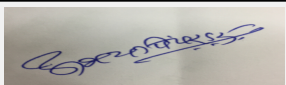
After detailed deliberations with the PP and their accredited consultant, SEAC- 1 decided to defer the proposal till submission of compliance of following points.

Specific Conditions by SEAC:

- 1) PP to submit revised layout plan showing 33% green belt with minimum 5 meter width (green belt area width and length to be shown in the area calculation table) and internal roads with six meter width and nine meter turning radius. PP also to ensure that all internal roads area interconnected or provided with cul-de-sac at dead ends. PP to ensure authentication of the layout with signature of PP, Consultant and Architect.
- 2) PP to submit contour plan showing contour levels, storm water drains, invert levels, internal roads and rain water harvesting facilities. PP to submit storm water drain calculations and rain water harvesting calculation on the plan. PP also to mark the location of connection of storm water drain to the common MIDC drain along with its cross section and invert level. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.
- 3) PP to upload form -II on the web site.
- 4) PP to submit details of proposed mitigation measures to be adopted to reduce identified impacts in the life cycle analysis along with budgetary allocation in the EMP and time schedule for its implementation.
- 5) PP to submit detailed ecological damage calculations as per approach paper issued by SEIAA, Maharashtra along with proposed Environmental management Plan and Natural and Community Augmentation Plan with its cost to be deposited as bank guarantee with the Maharashtra Pollution Control Board.
- 6) PP to submit their CER plan for development of social and environmental infrastructure in the Z.P. Schools / Primary Health Centre within the study area of the proposed project prepared in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.20218.
- 7) PP to ensure that, the uniform information is submitted in the Consolidated Statement. Form-I/II, EIA/EMP report and Presentation at the time of appraisal.

FINAL RECOMMENDATION


SEAC-I decided to defer the proposal. Kindly find SEAC decision above.



**Abhay Pimparkar (Secretary
SEAC-I)**

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**Signature: Dr. Umakant Dangat
Name: Dr. Umakant Dangat
Dr. Umakant Dangat
(Chairman SEAC-I)**

Agenda of 189th Meeting of State Level Expert Appraisal Committee-1 (SEAC-1)

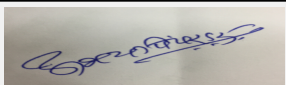
SEAC Meeting number: 189th - Day-3 Meeting Date August 8, 2020

Subject: Environment Clearance for Environment Clearance for: Existing Formulation & API Manufacturing Plant at Plot No. A - 42, MIDC Patalganga, Khalapur, District Raigad, Maharashtra by M/s. Cipla Limited

Is a Violation Case: Yes


1.Name of Project	Environmental Clearance for Existing Formulation & API Manufacturing Plant at Plot No. A - 42, MIDC Patalganga, Khalapur, District Raigad, Maharashtra by M/s. Cipla Limited
2.Type of institution	TOR
3.Name of Project Proponent	Cipla Limited
4.Name of Consultant	Kadam Environmental Consultants, Vadodara, Gujarat
5.Type of project	NA
6.New project/expansion in existing project/modernization/diversification in existing project	Violation Case
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. A - 42, MIDC Patalganga
9.Taluka	Khalapur
10.Village	Patalganga
Correspondence Name:	Mr. Sanjay Mhaske
Room Number:	Plot No. A - 42, MIDC Patalganga
Floor:	NA
Building Name:	Cipla Limited
Road/Street Name:	MIDC Patalganga
Locality:	Khalapur
City:	MIDC Patalganga
11.Whether in Corporation / Municipal / other area	MIDC Patalganga
12.IOD/IOA/Concession/Plan Approval Number	Plot allotment letter received from MIDC IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 34505
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.)	Industrial Plot Area: 34505 m ²
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA b) Non FSI area (sq. m.): NA c) Total BUA area (sq. m.): 34505
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: 28-03-2001
19.Total ground coverage (m ²)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	2807300000

22.Number of buildings & its configuration


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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	NA	NA	NA
2	NA	NA	NA
23.Number of tenants and shops	NA		
24.Number of expected residents / users	NA		
25.Tenant density per hectare	NA		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	NA		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA		
29.Existing structure (s) if any	NA		
30.Details of the demolition with disposal (If applicable)	NA		

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	"API Products (200 TPA) Alfozosin Hydrochloride, Placitaxel, Ropinirole HCL/Irinotecan Hydrochloride Trihydrate, Desloratidine/Rapaglinide/Lecarnadipine, Azelastin / Propracaine HCL, Miscellaneous Formulation, Telmisartan / Irbesartan, Guggelsterone / Gatifloxacin, Stavudine / Zidovudine, Glatiramer Acetate / Exemestane, Brimonidine, Moxifloxacin, Dorzolamide Hydrochloride, Efavirenz, Imiquimod, Valsartan / Abcavir, Dutasteride, Finasteride, Cetirizine Dihydrochloride, Tolteredine, Roxithromycin, Ranitidine Hydrochloride, Mirtazapine, Doxazosine Mesylate, Levo Salbutamol Sulphate, Perindropil Ebumine / Deferisivox, Ciprofloxacin HCL monohydrate, Brimonidine Tartarate, Levocetirizine/Ranolazine / Ranolizine Dihydrochloride+B10, Salmeterol Xinafoate, Ondansetron Hydrochloride Dihydrate, Valacyclovir Hydrochloride, Torsemide, Pregablin / Repiglinde, Dutasteride / Miratazapine / Rizatriptan Benzoate, Simvastatin, Tamsulusin Hydrochloride, Danazol, Terbutaline Sulphate, Valgancyclovir / Varricon	16.66	0	16.66



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32.Total Water Requirement

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


33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	30	0	30	10	0	10	20	0	20
Industrial Process	150	0	150	25	0	25	125	0	125
Cooling tower & thermopack	240	0	240	225	0	225	15	0	15


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Gardening	30	0	30	30	0	30	0	0	0
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	No RWH
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	NA

35.Storm water drainage	Natural water drainage pattern:	South to North and north to east, West to east
	Quantity of storm water:	NA
	Size of SWD:	W: 2 ft; h: 3 ft

Sewage and Waste water	Sewage generation in KLD:	20
	STP technology:	Sewage is being sent to soak pit
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA


36.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:	NA
	Wet waste:	NA
	Hazardous waste:	Details are provided in S. No. 45
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA


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Mode of Disposal of waste:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	Disposal of Hazardous Waste as per MPCB / CPCB norms. (details are provided Point No. 45 below)
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	Near ETP
	Area for the storage of waste & other material:	24 m ²
	Area for machinery:	4579.08 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	-	8.35	7.84	5.5 - 9.0
2	Oil & Grease	mg/l	14	< 0.1	10
3	BOD	mg/l	638	13	100
4	TDS	mg/l	1910	38	2100
5	Suspended Solid	mg/l	198	29	100
6	COD	mg/l	1996	40	250
Amount of effluent generation (CMD):		160			
Capacity of the ETP:		160			
Amount of treated effluent recycled :		50			
Amount of water send to the CETP:		110			
Membership of CETP (if require):		We are member of PRIA CETP (I) LTD			
Note on ETP technology to be used		Effluent treatment comprising of Primary, Secondary & Tertiary treatment system, RO , MEE			
Disposal of the ETP sludge		ETP Sludge is being sent to MWML, Taloja for disposal by landfilling			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used /Spent oil	5.1	MT/Month	4	0	4	Sale to authorized party user/ Preprocessor or shall be sent to CHWTSDF
2	Residues and wastes	28.1	MT/Month	6	0	6	CHWTSDF
3	Spent catalyst/ spent carbon	28.2/28.3	MT/Month	6	0	6	CHWTSDF
4	Date-expired, discarded and off-specification drugs	28.4/28.5	MT/Month	1	0	1	CHWTSDF


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5	Spent mother liquor	28.4	MT/Month	59	0	59	Reuse/ Recovered in your Plant/ CHWTSDf
6	Spent organic solvents	28.6	MT/Month	70	0	70	Reuse/ Recovered in your Plant/ CHWTSDf
7	Chemical sludge, oil and grease skimming residues	35.4	MT/Month	24	0	24	CHWTSDf

39.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 1 (3.5 T/hr)	FO -130 Lit/day	1	32	1.1	150°C
2	Boiler 2 (3.5 T/hr) - Standby	FO -130 Lit/day	1	32	1.1	150°C
3	DG Set (1000 KVA)	HSD -250 Lit/hr	1	6.32	0.3	150°C
4	DG Set (1500 KVA)	HSD -350 Lit/hr	1	7.75	0.3	150°C
5	DG Set (1500 KVA)	HSD -350 Lit/hr	1	7.75	0.3	150°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	FO for Boilers	260 Lit/Day	0	260 Lit/Day
2	HSD for DG Sets	950 Lit/hr	0	950 Lit/hr

41.Source of Fuel Local Market

42.Mode of Transportation of fuel to site Tanker

43.Green Belt Development	Total RG area :	Existing: 7947.27 m ²
	No of trees to be cut :	NA
	Number of trees to be planted :	NA
	List of proposed native trees :	NA
	Timeline for completion of plantation :	NA

44.Number and list of trees species to be planted in the ground


Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NA	NA	NA	NA

45.Total quantity of plants on ground

46.Number and list of shrubs and bushes species to be planted in the podium RG:


Serial Number	Name	C/C Distance	Area m ²
1	NA	NA	NA

47.Energy


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Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	3700 KVA
	During Operation phase (Demand load):	2934 KVA
	Transformer:	2 Nos each of 2500 KVA
	DG set as Power back-up during operation phase:	DG Sets of 3 nos.:1010 kVA, 1500 kVA &1500 kVA.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Solar Energy - 5.24 Lakhs units Generated Till date through solar

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	SOLAR ENERGY	Total 4.64 LKWH is saved in FY 17-18 for PTG-SITE

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Adequate stck heights to stack to boilers and DG sets are provided and scrubbers to process vents are provided	NA
Water	Effluent Treatment Plant	NA
Noise	PPE, Acaustic Enclosure	NA
Solid Waste	Haz. Waste is being disposed to CHWTSDF	NA

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


51. 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)
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1	Air Pollution Control	Scrubbers & Dust Collector	51.72	1.75
2	Water Pollution Control	ETP, RO ,MEE	445	136
3	Noise Pollution Control	Acoustic Enclosure to Blower and DG	20	2
4	Environment Monitoring and Management	Monitoring through MoEF approved Lab	NIL	4.5
5	Green Belt	Maintenance of Green belt.	15	17
6	Solid Waste Management	Handling and disposal at CHWTSDF	9.5	38

51.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
API STORES UNIT-II	NA	NA	36	NA	NA	NA	NA
UNDER GROUND/OVER HEAD TANK(SOLVENTS).	NA	NA	210	NA	NA	NA	NA
CORROSIVE MATERIAL SHED	NA	NA	4	NA	NA	NA	NA
DP STORES	NA	NA	17	NA	NA	NA	NA
NON-CLASSIFIED STORES	NA	NA	7	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	NA
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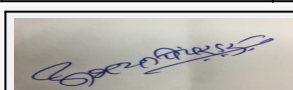
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	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) B
	Court cases pending if any	NO
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	09-09-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS


Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable



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Air Quality & Noise Level issues	Not Applicable
Energy Management	Not Applicable
Traffic circulation system and risk assessment	Not Applicable
Landscape Plan	Not Applicable
Disaster management system and risk assessment	Not Applicable
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	Not Applicable
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC

SEAC-AGENDA-0000000447

PP submitted application under violation category as per Notification issued by MoEF&CC dated 08.03.2018. The proposal was considered in the 154th meeting of SEAC-1 held on 30.08.2018 wherein ToR was granted to the PP for the preparation of EIA/EMP report for 5(f) category as per standard TOR and additional TOR points mentioned below subject to the applicability of general conditions with respect to the distance of the proposed site from Karnala Hill Bird Sanctuary.

PP to refer to the Office Memorandum issued by MoEF&CC dated 19.08.2018 with respect to the standard conditions to be stipulated in the Environment Clearance letter for the Pharmaceutical industry to identify the impact of operations on the environment attributes and implement appropriate mitigation measures to reduce the impact.

PP to identify all such activities on site which have impacted on the various verticals of the environment like Water, Air, Soil and Noise etc and compare it with the standard parameters to assess the damage as referred in the Notification dated 08.03.2018.

- 1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
- 2) PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
- 3) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc.
- 4) PP to submit project site details (location, top sheet of the study area of 10 km., coordinates, Google map, layout map, land use, geological features and geo hydrological status of the study area, drainage pattern etc.)
- 5) PP to submit details of Forest and Wild Life Eco sensitive zones if any in the study area and within the range of 5 km.
- 6) Land use of the study area delineating forest area, agricultural land, grazing land, wild life sanctuary, national parks, migratory routes of fauna, water bodies, human settlement and other ecological features to be indicated in the report.
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- 12) PP to carry out HAZOP and QRA and submit Disaster Management Plan.
- 13) PP to provide new and renewable energy sources for the illumination of the office building and street lights.

PP submitted EIA/EMP report and the proposal was considered in the 180th & 184th meeting of SEAC-1 held on 03.03.2020 & 05.06.2020 wherein PP requested to postpone the case.

PP submitted copy of letter obtained from the Dy. Conservator of Forest dated 31.10.2019 mentioning the distance of proposed project site from the Karnala Bird Sanctuary is 5.17 KM.

The EIA/EMP report was appraised in the 189th meeting of SEAC-1.

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DECISION OF SEAC


After detailed deliberations with the PP and their accredited consultant, SEAC- 1 decided to defer the proposal till submission of compliance of following points.

Specific Conditions by SEAC:

- 1) PP presented the green belt of only 29.51 % within the premises against mandatory 33% green belt. PP to submit revised layout plan showing 33% green belt with minimum 5 meter width (green belt area width and length to be shown in the area calculation table) and internal roads with six meter width and nine meter turning radius. PP also to ensure that all internal roads area interconnected or provided with cul-de-sac at dead ends. PP to ensure authentication of the layout with signature of PP, Consultant and Architect.
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- 3) PP to upload form -II on the web site.
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- 7) PP to ensure that, the uniform information is submitted in the Consolidated Statement. Form-I/II, EIA/EMP report and Presentation at the time of appraisal.

FINAL RECOMMENDATION


SEAC-I decided to defer the proposal. Kindly find SEAC decision above.



**Abhay Pimparkar (Secretary
SEAC-I)**

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**Signature: Dr. Umakant Dangat
Name: Dr. Umakant Dangat
Dr. Umakant Dangat
(Chairman SEAC-I)**

Agenda of 189th Meeting of State Level Expert Appraisal Committee-1 (SEAC-1)

SEAC Meeting number: 189th - Day-3 Meeting Date August 8, 2020

Subject: Environment Clearance for Environment Clearance for: Existing Formulation & API Manufacturing Plant at Plot No. A - 33, A - 37/2/2, MIDC Patalganga, Khalapur, District Raigad, Maharashtra by M/s. Cipla Limited

Is a Violation Case: Yes

1.Name of Project	Environmental Clearance for Existing Formulation & API Manufacturing Plant at Plot No. A - 33, A - 37/2/2, MIDC Patalganga, Khalapur, District Raigad, Maharashtra by M/s. Cipla Limited
2.Type of institution	TOR
3.Name of Project Proponent	Cipla Limited
4.Name of Consultant	Kadam Environmental Consultants, Vadodara, Gujarat
5.Type of project	NA
6.New project/expansion in existing project/modernization/diversification in existing project	Violation Case
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No. A - 33, A - 37/2/2
9.Taluka	Khalapur
10.Village	Patalganga
Correspondence Name:	Mr. Sanjay Mhaske
Room Number:	Plot No. A - 33, A - 37/2/2
Floor:	NA
Building Name:	Cipla Limited
Road/Street Name:	MIDC Patalganga
Locality:	Khalapur
City:	MIDC Patalganga
11.Whether in Corporation / Municipal / other area	MIDC Patalganga
12.IOD/IOA/Concession/Plan Approval Number	Plot allotment letter received from MIDC IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 29292
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.)	Industrial Plot Area: 29292 m ²
16.Deductions	NA
17.Net Plot area	NA
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA b) Non FSI area (sq. m.): NA c) Total BUA area (sq. m.): 29292
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: 22-12-1987
19.Total ground coverage (m ²)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	1576100000

22.Number of buildings & its configuration



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Dr. Umakant Dangat (Chairman SEAC-I)


Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	NA	NA	NA	
23.Number of tenants and shops	NA			
24.Number of expected residents / users	NA			
25.Tenant density per hectare	NA			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	NA			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA			
29.Existing structure (s) if any	NA			
30.Details of the demolition with disposal (If applicable)	NA			
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)




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1	<p>BULK DRUGS (Acyclovir USP/ Valaciclovir HCL, Albuterol Sulphate USP XXII, Androstenediol/ Androstenedione, Alprazolam USP/Budesodine/ Alendronate Sodium Trihydrene, Amlodipine Besylate/ Azithromycine/ Atenolol/ Aluminium Nicotinate, 1e alpha Bromoepiride/ LevocetirizineDihydrochloride, Clarithromycine USP, Cyproterone Acetate/ Candocurumimumlodide, Danazol USP/ IP/ Doxazoain Peso late, Trazodone Hydrochloride/ Cetrinisaetan, Deferiprone/ dicloferric ethyl ammonium salt, Estramustine Sodium phosphate, FelodipineSalometerolXinafoat, FinastarideelFluconazol, Flusticasone Propionate, Guegulpid/ terazosin Hydrovhloride, Plurbiprofen BP/USP, Ketorolac Tromethamine/ Rafoxanide, Lansoprazole/ Lamotrigine/ Hypochloride, Mefloquime Hydrochloride/ Mirtazapine, Metoprolol Tartrate USP, Methocabamol USP, Moclobemide/ Pefloxacin/ Montelucast, Nifedione/ Fenhendazole/ Felodipine, Norfloxacin/ Enorflaxacine, Enorfloxacin hydrochloride Ciprofloxacin, Ciprofloxacin HCL Menohydrate, Ondansetron Hydro</p>	12	0	12
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32.Total Water Requirement

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


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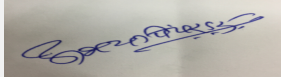
Wet season:	Source of water	NA
	Fresh water (CMD):	NA
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	NA
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess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

Details of Swimming pool (If any)

NA

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	90	0	90	30	0	30	60	0	60
Industrial Process	290	0	290	100	0	100	190	0	190
Cooling tower & thermopack	130	0	130	120	0	120	10	0	10
Gardening	70	0	70	70	0	70	0	0	0
Fresh water requirement	580	0	580	0	0	0	0	0	0



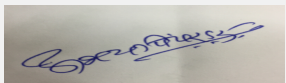
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34. Rain Water Harvesting (RWH)	Level of the Ground water table:	Rain water from roof top is being used in cooling tower.
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	NA
35. Storm water drainage	Natural water drainage pattern:	South to closed towards north and the flows out of premises towards west side
	Quantity of storm water:	NA
	Size of SWD:	W: 2 ft; h: 3 ft
Sewage and Waste water	Sewage generation in KLD:	60
	STP technology:	Sewage is being treated in ETP along with Industrial effluent
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
36. 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:	NA
	Wet waste:	NA
	Hazardous waste:	Details are provided in S. No. 45
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA


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Mode of Disposal of waste:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	Near Gate number 2
	Area for the storage of waste & other material:	24 m ²
	Area for machinery:	5990.93 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	6 lacs
	O & M cost:	NA

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	ph	--	8.15	7.82	5.5 - 9.0
2	Oil & Grease	mg/l	12	< 0.1	10
3	BOD	mg/l	1537	18	100
4	TDS	mg/l	3640	422	2100
5	Suspended Solid	mg/l	136	26	100
6	COD	mg/l	4391	56	250
7	Chlorides	mg/l	568.25	158.09	600
8	Total Ammonical Nitrogrn	mg/l	9.8	1.84	50
Amount of effluent generation (CMD):		260 KLD			
Capacity of the ETP:		260 KLD			
Amount of treated effluent recycled :		60 KL			
Amount of water send to the CETP:		200 KLD			
Membership of CETP (if require):		We are member of PRIA CETP (I) LTD			
Note on ETP technology to be used		Effluent treatment comprising of Primary, Secondary & Tertiary treatment system RO , MEE			
Disposal of the ETP sludge		ETP Sludge is being sent to MWML, Taloja for disposal by landfilling			


38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Residues and wastes	28.1	MT/Month	25	0	25	For incineration at MWML
2	Spent catalyst/ spent carbon	28.2	MT/Month	10	0	10	For authorized Reprocessor/ incineration MWML
3	Date-expired, discarded and off-specification drugs	28.4/28.5	MT/Month	1	0	1	For incineration at MWML


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4	Spent mother liquor Spent organic solvents	28.6	MT/Month	129	0	129	For incineration at MWML, Sale to authorized Reprocessor
5	Chemical sludge, oil and grease skimming residues	35.4	MT/Month	24	0	24	Landfill at MWML
6	Used/ spent oil	5.1	MT/Month	4	0	4	Sale to Authorized Reprocessor

39.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 1 (2 T/hr)	FO/LDO -1350 Lit/day	1	35	1.1	150°C
2	Boiler 2 (2 T/hr) - Standby	FO/LDO -1350 Lit/day	1	35	1.1	150°C
3	DG Set (625 KVA)	HSD -122 Lit/hr	1	5	0.3	150°C
4	DG Set (1010 KVA)	HSD -180 Lit/hr	1	6.3	0.3	150°C
5	DG Set (1510 KVA)	HSD -231 Lit/hr	1	7.7	0.3	150°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	FO/HSD for Boilers	2700 Lit/Day	0	2700 Lit/Day
2	HSD for DG Sets	533 Lit/hr	0	533 Lit/hr
41.Source of Fuel		Local Market		
42.Mode of Transportation of fuel to site		Tanker		

43.Green Belt Development	Total RG area :	Existing: 4785 m ²
	No of trees to be cut :	NA
	Number of trees to be planted :	NA
	List of proposed native trees :	NA
	Timeline for completion of plantation :	NA

44.Number and list of trees species to be planted in the ground

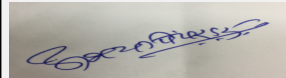

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	NA	NA	NA	NA

45.Total quantity of plants on ground

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m ²
1	NA	NA	NA

47.Energy

 Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 189th - Day-3 Meeting Date: August 8, 2020	Page 37 of 67	Signature:  Name: Dr. Umakant Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	6152 kw
	During Operation phase (Demand load):	2255 kva
	Transformer:	1000 kva ,1000 kva and 1250 kva
	DG set as Power back-up during operation phase:	DG Sets of 3 nos.:625 kVA, 1010 kVA & 1510 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

NA

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Adequate stack heights to stack to boilers and DG sets are provided and scrubbers to process vents are provided	NA
Water	Effluent Treatment Plant	NA
Noise	PPE, Acoustic Enclosure	NA
Solid Waste	Haz. Waste is being disposed to CHWTSDF	NA

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

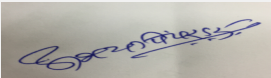
51. Environmental Management plan Budgetary Allocation

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)
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Dr. Umakant Dangat (Chairman SEAC-I)

1	Air Pollution Control	Scrubbers & Dust Collector	88.8	163.2
2	Water Pollution Control	ETP, RO ,MEE	644	120
3	Noise Pollution Control	Acoustic Enclosure to Blower and DG	10	1.5
4	Environment Monitoring and Management	Monitoring through MoEF approved Lab	Nil	4.2
5	Green Belt	Maintenance of Green belt.	15	17
6	Solid Waste Management	Handling and disposal at CHWTSDF	5	75

51.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
Solvent Yard I	Underground storage	NA	105.00 KL	NA	NA	NA	NA
Solvent Yard II	Underground storage	NA	72.00 KL	NA	NA	NA	NA
D.P Store	NA	NA	50 KL	NA	NA	NA	NA

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	NA
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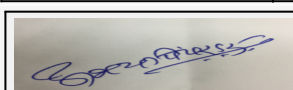


Dr. Umakant Dangat (Chairman SEAC-I)

Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	NA
	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) B
	Court cases pending if any	No
	Other Relevant Informations	NIL
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	09-09-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable



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Dr. Umakant Dangat (Chairman SEAC-I)

Air Quality & Noise Level issues	Not Applicable
Energy Management	Not Applicable
Traffic circulation system and risk assessment	Not Applicable
Landscape Plan	Not Applicable
Disaster management system and risk assessment	Not Applicable
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	Not Applicable
Any other issues related to environmental sustainability	Not Applicable

Brief information of the project by SEAC

SEAC-AGENDA-0000000447

PP submitted application under violation category as per Notification issued by MoEF&CC dated 08.03.2018. The proposal was considered in the 154th meeting of SEAC-1 held on 30.08.2018 wherein ToR was granted to the PP for the preparation of EIA/EMP report for 5(f) category as per standard TOR and additional TOR points mentioned below subject to the applicability of general conditions with respect to the distance of the proposed site from Karnala Hill Bird Sanctuary.

PP to refer to the Office Memorandum issued by MoEF&CC dated 19.08.2018 with respect to the standard conditions to be stipulated in the Environment Clearance letter for the Pharmaceutical industry to identify the impact of operations on the environment attributes and implement appropriate mitigation measures to reduce the impact.

PP to identify all such activities on site which have impacted on the various verticals of the environment like Water, Air, Soil and Noise etc and compare it with the standard parameters to assess the damage as referred in the Notification dated 08.03.2018.

- 1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
- 2) PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
- 3) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc.
- 4) PP to submit project site details (location, top sheet of the study area of 10 km., coordinates, Google map, layout map, land use, geological features and geo hydrological status of the study area, drainage pattern etc.)
- 5) PP to submit details of Forest and Wild Life Eco sensitive zones if any in the study area and within the range of 5 km.
- 6) Land use of the study area delineating forest area, agricultural land, grazing land, wild life sanctuary, national parks, migratory routes of fauna, water bodies, human settlement and other ecological features to be indicated in the report.
- 7) PP to submit details of likely impact of the proposed project and work carried out without obtaining prior Environment Clearance on the environmental parameters (ambient air, surface and ground water, land, flora and fauna, ambient noise, climate change and socio economic etc.)
- 8) PP to assess ecological damage with respect to the air, water, land and other environmental attributes. The collection and analysis of data shall be done by an Environmental Laboratory accredited by NABL or a laboratory of a council of Scientific and Industrial Research (CSIR) Institution working in the field of Environment.
- 9) PP to prepare an EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- 10) The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultant.
- 11) PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
- 12) PP to carry out HAZOP and QRA and submit Disaster Management Plan.
- 13) PP to provide new and renewable energy sources for the illumination of the office building and street lights.

PP submitted EIA/EMP report and the proposal was considered in the 180th meeting of SEAC-1 wherein the proposal was deferred till submission of compliance of following points,

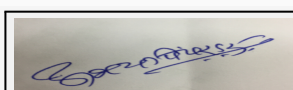
1. PP to submit lay out plan showing internal roads with six meter width and nine meter turning radius, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
2. PP to submit contour plan of the site showing internal road network and storm water drain network along with drain calculations.
3. PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential etc and submit proposed mitigation measures to reduce the identified potentials.
4. PP to submit their plan to undertake Patalganga River Rejuvenation plan from their CER funds (Rs. 3.31 Cr.) in consultation with the District Authority.
5. PP to submit revised specific remediation plan and natural and community augmentation plan along with its costs.

The proposal was again included in the agenda of 184th meeting of SEAC-1 held on 03.03.2020 wherein PP requested to postpone the case.

PP submitted copy of letter obtained from the Dy. Conservator of Forest dated 31.10.2019 mentioning the distance of proposed project site from the Karnala Bird Sanctuary is 5.17 KM.

The EIA/EMP report was appraised in the 189th meeting of SEAC-1.

DECISION OF SEAC



**Abhay Pimparkar (Secretary
SEAC-I)**

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Signature: 
Name: Dr. Umakant Dangat

**Dr. Umakant Dangat
(Chairman SEAC-I)**


After detailed deliberations with the PP and their accredited consultant, SEAC- 1 decided to defer the proposal till submission of compliance of following points.

Specific Conditions by SEAC:

- 1) PP presented the green belt of only 19.15 % within the premises against mandatory requirement of 33% green belt. PP to submit revised layout plan showing 33% green belt with minimum 5 meter width (green belt area width and length to be shown in the area calculation table) and internal roads with six meter width and nine meter turning radius. PP also to ensure that all internal roads area interconnected or provided with cul-de-sac at dead ends. PP to ensure authentication of the layout with signature of PP, Consultant and Architect.
- 2) PP to submit contour plan showing contour levels, storm water drains, invert levels, internal roads and rain water harvesting facilities. PP to submit storm water drain calculations and rain water harvesting calculation on the plan. PP also to mark the location of connection of storm water drain to the common MIDC drain along with its cross section and invert level. PP to consider 125 mm rain intensity in Mumbai / Konkan area and 100 mm in rest of the Maharashtra area for the purpose of calculations.
- 3) PP to upload form -II on the web site.
- 4) PP to submit details of proposed mitigation measures to be adopted to reduce identified impacts in the life cycle analysis along with budgetary allocation in the EMP and time schedule for its implementation.
- 5) PP to submit detailed ecological damage calculations as per approach paper issued by SEIAA, Maharashtra along with proposed Environmental Management Plan and Natural and Community Augmentation Plan with its cost to be deposited as bank guarantee with the Maharashtra Pollution Control Board.
- 6) PP to submit their CER plan for development of social and environmental infrastructure in the Z.P. Schools / Primary Health Centre within the study area of the proposed project prepared in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.20218.
- 7) PP to ensure that, the uniform information is submitted in the Consolidated Statement. Form-I/II, EIA/EMP report and Presentation at the time of appraisal.


FINAL RECOMMENDATION

SEAC-I decided to defer the proposal. Kindly find SEAC decision above.


**Abhay Pimparkar (Secretary
SEAC-I)**

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**Dr. Umakant Dangat
(Chairman SEAC-I)**

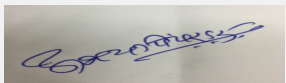
Agenda of 189th Meeting of State Level Expert Appraisal Committee-1 (SEAC-1)

SEAC Meeting number: 189th - Day-3 Meeting Date August 8, 2020

Subject: Environment Clearance for Proposed Expansion of Sugar plant from 7000TCD to 9000TCD at Viilage Bhende Bk,Newasa, Ahemdngar, Maharashtra


Is a Violation Case: No

1.Name of Project	Proposed Expansion of Sugar plant from 7000TCD to 9000TCD at Viilage Bhende Bk,Tal; Newasa, Ahemdngar, Maharashtra by M/s. Loknete Marutrao Ghule Patil Dnyaneshwar Shakari Sakhar Karkhana Ltd. (LMGP-DSSKL)
2.Type of institution	TOR
3.Name of Project Proponent	M/s. Loknete Marutrao Ghule Patil Dnyaneshwar Shakari Sakhar Karkhana Ltd. (LMGP-DSSKL)
4.Name of Consultant	Ultra- Tech Environment consultancy and Lab (Lab. MoEF gazetted).
5.Type of project	Industry
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	Yes
8.Location of the project	Survey NO 320 & 334
9.Taluka	Newasa
10.Village	Bhende (Bk)
Correspondence Name:	Post Bhende Bk, Taluka Newasa, District Ahmednagar
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	NA
City:	Ahmednagar
11.Whether in Corporation / Municipal / other area	Grampanchayat Bhende (Bk)
12.IOD/IOA/Concession/Plan Approval Number	Grampanchayat Bhende (Bk) IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 18000
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.)	1320000
16.Deductions	Not Applicable
17.Net Plot area	1320000
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 18000 b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.): 18000
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval: 01-01-1900
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	0
21.Estimated cost of the project	15000000


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22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable
23. Number of tenants and shops	Not applicable		
24. Number of expected residents / users	Not applicable		
25. Tenant density per hectare	Not applicable		
26. Height of the building(s)			
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	Own Fire Station with well equipped arrangements		
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m		
29. Existing structure (s) if any	Existing Sugar Unit		
30. Details of the demolition with disposal (If applicable)	Not applicable		

31. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Sugar	25200 MT/Month	7200 MT/Month	32400MT/Month
2	Co-gen Power	31.5MW/Hr	0	0

32. Total Water Requirement



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Dry season:	Source of water	Mula Dam Right Cannal
	Fresh water (CMD):	900
	Recycled water - Flushing (CMD):	4590
	Recycled water - Gardening (CMD):	850
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	5490
	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	Mula Dam Right Cannal
	Fresh water (CMD):	15
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	25
	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	


33.Details of Total water consumed

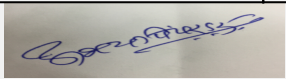

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Industrial Process	665	185	850	0	1083	3789	0	0	0
Fresh water requirement	35	15	50	0	0	0	35	15	50
Gardening	761	89	850	761	89	850	0	0	0


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Industrial Process	4550	940	5490	3789	851	4640	761	89	850
34.Rain Water Harvesting (RWH)	Level of the Ground water table:	4 to 5 m							
	Size and no of RWH tank(s) and Quantity:	Not applicable							
	Location of the RWH tank(s):	Not applicable							
	Quantity of recharge pits:	10 Recharge Pit							
	Size of recharge pits :	Not applicable							
	Budgetary allocation (Capital cost) :	20 lakh							
	Budgetary allocation (O & M cost) :	5 Lakh							
	Details of UGT tanks if any :	Not applicable							
35.Storm water drainage	Natural water drainage pattern:	Storm water drain							
	Quantity of storm water:	Not applicable							
	Size of SWD:	Not applicable							
Sewage and Waste water	Sewage generation in KLD:	60							
	STP technology:	MBBR							
	Capacity of STP (CMD):	1 no. 70KL							
	Location & area of the STP:	near colony							
	Budgetary allocation (Capital cost):	5 lacs							
	Budgetary allocation (O & M cost):	1.0Lacs							
36.Solid waste Management									
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Negligible							
	Disposal of the construction waste debris:	Not Applicable							
Waste generation in the operation Phase:	Dry waste:	Baggage : 4,32,000 MT/A							
	Wet waste:	Press mud : 61200 MT/A							
	Hazardous waste:	0.30 MT/Month Reused in own boiler as fuel							
	Biomedical waste (If applicable):	Not Applicable							
	STP Sludge (Dry sludge):	200 kg/day Used as manure							
	Others if any:	Not applicable							
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Mode of Disposal of waste:	Dry waste:	Baggage will be used for boiler as fuel
	Wet waste:	Press mud sent for composting
	Hazardous waste:	Reused in own boiler as fuel
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	Not any
Area requirement:	Location(s):	south of layout
	Area for the storage of waste & other material:	20m2
	Area for machinery:	Not any
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	5lacs
	O & M cost:	1 lacs

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	Not Applicable	3.5-4.5	6-7	5.5-8.5
2	BOD	Mg/lit	719	89	100
3	COD	Mg/lit	1682	238	250
4	TSS	Mg/lit	126	84	100
5	Oil & grease	Mg/lit	6	<2	10
Amount of effluent generation (CMD):		850 m3			
Capacity of the ETP:		1500 KL			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		Nil			
Membership of CETP (if require):		Nil			
Note on ETP technology to be used		This is sober water except temperature, comes from cooling-purging and boiler blow-down. A detention tank with suitable holding capacity and shallow depth shall be provided. The water after cooling will be suitable for irrigation purpose. As an alternative, this will be used as diluents to moderate effluent, stream (B) below and further treated. The Moderately polluted wastewater is the floor vessel washing, de-min plant, laboratory and process, which has low pH and has organic matter. After			
Disposal of the ETP sludge		To be sent to Composting			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/ spent oil	5.1	MT/Month	11	0	11	Reused in own boiler as fuel

39. 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 40 TPH	Bagasse	1	65	3.0	120



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2	Boiler 80 TPH	Bagasse	2	76	3.33	120
3	Boiler 110 TPH	Bagasse	3	85	3.45	120

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total	
1	Bagasse	1761MT/Day	0	1761 MT/Day	
41.Source of Fuel		Own bagasse available from sugare cane crushed			
42.Mode of Transportation of fuel to site		Conver Belt			

43.Green Belt Development	Total RG area :	4,50,000m2
	No of trees to be cut :	No
	Number of trees to be planted :	40000
	List of proposed native trees :	40000 nos.
	Timeline for completion of plantation :	Till the completion of project


44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mangifer indica	Mango	500	Fruit bearing evergreen tree
2	Polyalthia longifolia	Ashok	2000	evergreen tree
3	Ficus bengalensis	Wad	50	Fruit bearing evergreen tree
4	Coccos nucifera	Nariyal/coconut	4000	Fruit bearing evergreen tree
5	Eucalyptus	Nilgiri	5000	deciduous MEDICINAL TREE
6	Annona sp	Sitafal	1000	Fruit bearing evergreen tree
7	Terminalia catappa	Badam/Almond	3800	Fruit bearing evergreen tree
8	Delonix regia	Gulmohar	500	Flower bearing deciduous tree
9	Ficus recemosa	Pimpal	50	Fruit bearing evergreen tree
10	Tamarindus indica	Chinch	3000	Fruit bearing evergreen tree
11	Ficus glomerata	Umbar	100	Fruit bearing evergreen tree
12	Accacia	Babhul	6000	Deciduous tree
13	Citrus reticulata	Santra/Orange	100	Fruit bearing tree
14	Papaya	Papaya	2000	Fruit bearing tree
15	Citrus	Lemon,	1000	Fruit bearing tree
16	Syzium	Jamb/Guava	200	Fruit bearing evergreen tree
17	Tectona gradis	Sag	8000	Deciduous tree
18	Phyllanthus emblica	Aavla	700	Fruit bearing evergreen tree

45.Total quantity of plants on ground

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Not applicable	Not applicable	Not applicable


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47. Energy

Power requirement:	Source of power supply :	Own Power Generation / MSEDCL
	During Construction Phase: (Demand Load)	40KVA
	DG set as Power back-up during construction phase	100KVA
	During Operation phase (Connected load):	3700KVA
	During Operation phase (Demand load):	Not applicable
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	2 no. of 400KVA & 1 no. of 1000KVA DG sets
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not applicable

48. Energy saving by non-conventional method:

planetary drive for boiling house equipment's and Variable feed drive(VFD)

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	planetary drive for boiling house equipment's and Variable feed drive(VFD)	3%

50. Details of pollution control Systems

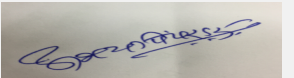
Source	Existing pollution control system	Proposed to be installed
STP	Conventional STP outlet water used for gardening	NA
ETP	ETP	NA
Boiler Stack 1	ESP	NA
Boiler Stack 2	ESP	NA

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not applicable
	O & M cost:	Not applicable

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Pollution Control	RSPM, SO ₂ , NO _x	1.0
2	Noise	Decibel	05


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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	RSPM, SO ₂ , NO _x	-	2.0
2	Green Belt Development	Plantation	30	5.0
3	Online Monitoring	Air and water	60	6
4	ETP	Effluent	-	5.0
5	STP	waste water	25	1.5
6	Occupational Health	LABOUR Halth check up	2.0	5.0
7	Rainwater Harvesting	tank for rain water harvesting	20.0	5.0

51.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
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available


53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Well connected to state highway about 500m from site
Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	3 ha
	Area per car:	1000 sq.m
	Area per car:	1000 sq.m
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Well connected to sate highway about 500m from site
	Width of all Internal roads (m):	6m


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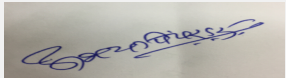
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5 (j) -B, 1(d)-
	Court cases pending if any	NA
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	23-10-2015

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes
Name	Shri Dnyaneshwar Sahakari Sakhar Karkhana LtdDnyaneshwarnagar Bhende Bk., Tal0 Newas, Dist- Ahmednager	Loknete Marutrao Ghule Patil Dnyaneshwar Sahakari Sakhar Karkhana LtdDnyaneshwarnagar Bhende Bk., Tal0 Newas, Dist- Ahmednager


SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits at site.
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.
Waste Water Treatment	The total effluent generation will be 1537 KLD which will be treated in the Effluent Treatment Plant and treated effluent will be used for development of green belt within the premises after achieving standards prescribed by MPCB.
Drainage pattern of the project	PP considered the contour levels on the site in the design of storm water drains. PP not to disturb any natural water stream/drain exists on site.
Ground water parameters	As per data submitted by PP ground water parameters are within the prescribed limits. PP not to extract any ground water.
Solid Waste Management	Details are given at Sr. No. 38 of the Consolidated Statement. PP to ensure to make MoU with the brick manufacturer for disposal of ash generated on site.
Air Quality & Noise Level issues	As per data submitted by PP Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The electrical demand for project is 6.90 MW which will be obtained from the Pravara Renewable Energy Ltd.. PP proposes two DG sets of capacity 1250 KVA as a stand by arrangement.
Traffic circulation system and risk assessment	PP proposes internal roads with minimum six meter width and nine meters of turning radius for smooth circulation of traffic.
Landscape Plan	PP proposes to provide 33% green belt within the premises.


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Disaster management system and risk assessment	PP carried out Risk Assessment and prepared emergency plan.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP proposes Rs 235.00 Lakhs as capital cost and Rs. 67.00 Lakhs as recurring EMP cost for the maintenance of environmental parameters during operation phase.
Any other issues related to environmental sustainability	Not Applicable • PP to utilize their CER funds of Rs. 15.00 Lakhs for the development of social and environmental infrastructure like sanitation facility, safe drinking water facility, solar panels in the Z.P. Schools and Primary Health Centers in the study area of the proposed project in consultation with the District Authority as per OM issued by MoEF&CC dated 01.05.2018. • PP to promote drip irrigation for sugar cane cultivation in their jurisdiction.
Brief information of the project by SEAC	

SEAC-AGENDA-00000000447

PP submitted application for the grant of Prior Environmental Clearance under category 5(j) of the schedule attached to the EIA Notification, 2006.

The proposal was earlier considered in the 146th meeting of SEAC-1 held on 31.01.2018 wherein ToR was granted to the PP for the preparation of EIA/EMP report as per standard TOR and additional TOR points mentioned below,

1. PP to submit certified copy of compliance of earlier EC No. 00000167 dated 23.10.2017 from Regional Office of MoEF&CC, Nagpur as per OM issued by MoEF&CC on 07/09/2017
2. PP to include detailed material balance charts showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.
3. PP to carry out HAZOP and QRA and submit report
4. PP to submit detailed water balance calculations showing water required for domestic and industrial use, generation of sewage and effluent and also submit design details of ETP.
5. PP submit copy of agreement made with the competent authority for lifting of water from Mula Dam Right Canal.
6. PP to submit details of sugar cane cultivation in the factory area giving details of consumption of water, fertilizers, pesticides, insecticides etc. and its impact on surrounding environment. PP to submit their plan to achieve 100% drip irrigation for the sugar cane cultivation in the factory area.
7. PP to submit specific CSR activities prepared in consultation with the District Collector and CEO Z.P. with funds allocation and time limits for implementation.
8. PP to include technical note on the proposed requirement of modernization in the EIA report.

PP submitted EIA/EMP report and the proposal was considered in the 184th meeting of SEAC-1 held on 03.06.2020 wherein the proposal was deferred on PP's request.

Now the proposal is considered for appraisal in the 189th meeting of SEAC-1.

DECISION OF SEAC

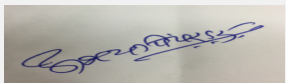
After detailed deliberations with the PP and their accredited consultant, SEAC- 1 decided to recommend the proposal to SEIAA for prior Environmental Clearance subject to following conditions.

Specific Conditions by SEAC:

- 1) 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.
- 2) PP to prepare and implement construction management plan. PP to provide shelter, food, drinking water, sanitation facilities to the construction workers as per guidelines issued by the Competent Authority.
- 3) PP to submit to the SEIAA certified compliance of Consent to operate to be obtained from the Maharashtra Pollution Control Board.
- 4) PP to provide Continuous Emission Monitoring System (CEMS) for monitoring of air emissions and connect the same to the MPCB and CPCB servers.
- 5) PP to ensure identification and signing of MoU with the brick manufacturer for disposal of ash generated on site.
- 6) PP to provide Sewage Treatment Plant for the treatment of domestic waste water generated within factory premises.
- 7) PP to prepare & implement cane development plan in consultation with the Mahatma Phule Agriculture University, Rahuri for enhancement of per hectare yield of sugar cane. PP to promote drip irrigation for sugar cane cultivation in their jurisdiction.
- 8) PP to ensure compliance of all the issues raised during the Public Hearing along with budgetary allocation and specific time limits for its implementation and submit report to the District Authority and Maharashtra Pollution Control Board.
- 9) PP to prepare and implement CER plan of Rs. 15 Lakhs in consultation with the District Authority for development of social and environmental infrastructure in the Z.P Schools and Primary Health Centre in the study area of the proposed project as per OM issued by MoEF&CC dated 01.05.2018.
- 10) PP to include carbon and water foot print in Environment Management Plan and adopt necessary measures to reduce the same.


FINAL RECOMMENDATION

SEAC-I have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions


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Agenda of 189th Meeting of State Level Expert Appraisal Committee-1 (SEAC-1)

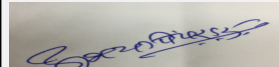
SEAC Meeting number: 189th - Day-3 **Meeting Date** August 8, 2020

Subject: Environment Clearance for Expansion of "Chemical Manufacturing Plant"

Is a Violation Case: No

1.Name of Project	Expansion of "Chemical Manufacturing Plant"
2.Type of institution	Private
3.Name of Project Proponent	M/s Excel Industries Limited
4.Name of Consultant	M/s Perfect Enviro Solutions Pvt. Ltd
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in Existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No, the unit was established before the EIA Notification,2006. Therefore, Environment Clearance was taken. The unit has valid consent to operate.
8.Location of the project	Plot no. 112, 20/1 & OS-2
9.Taluka	Roha
10.Village	MIDC Dhatav
Correspondence Name:	NA
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	NA
City:	NA
11.Whether in Corporation / Municipal / other area	Maharashtra Industrial Development Corporation
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 47622.61
13.Note on the initiated work (If applicable)	This is already existing industry
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	95569 sqm
16.Deductions	0
17.Net Plot area	95569 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 47622.61
	b) Non FSI area (sq. m.):
	c) Total BUA area (sq. m.): 47622.61
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 01-08-2018
19.Total ground coverage (m2)	32532
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	34.04
21.Estimated cost of the project	455000000

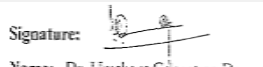
22.Number of buildings & its configuration



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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	NA	NA	NA
23.Number of tenants and shops	NA		
24.Number of expected residents / users	NA		
25.Tenant density per hectare	NA		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	12 m		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m		
29.Existing structure (s) if any	It is existing industry having production of 91,434 TPA (Product: 47,905 TPA and By-product: 43,529 TPA)		
30.Details of the demolition with disposal (If applicable)	NA		

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Phosphorus trichloride (PCl3)	833	1667	2500
2	Thio Phosphoryl Chloride (PSCI3)	17	626	643
3	Phosphorus Pentasulphide (P2S5)	1400	847.5	2247.5
4	Diethyl/Dimethyl Di Thiophosphoric Acid [DTA (E)/(M)]	100	0	100
5	Diethyl/Dimethyl Thiophosphoryl chloride [DETC (E)/(M)]	1271	896	2167
6	Dimethyl Phosphoro Amido Thioate (DMPAT)	0	417	417
7	2-Nitrobenzyl Bromide (NBBR)	0	42	42
8	1-(4-Chlorophenyl)-1 H-pyrazol-3-01 (4 CPZ)	0	42	42
9	3-Methoxy-4-methyl-1,2,4-triazolin-5-one (MMT Monohydrate)	0	17	17
10	2-Chloro-5-chloro-methyl thiazole (CCMT)	0	83	83
11	N-Phosphino Methyl Imino Diacetic Acid (NPMIDA)	100	0	100
12	N,N Dimethyl Amino Thio Acetamide Hydrochloride (DMATA.HCl),NI4	8.3	0	8.3
13	2-Methyl / Ethyl Nromo Butyrate (M2BB/E2BB)	50	0	50
14	Phenyl Hydrazine / Phenyl Hydrazine Hydrochloride/4-chloro Phenyl Hydrazine Hydrochloride.	0	83.3	83.3
15	Ethyl 4 - methyl - 5 thiazole carboxylate (TAZ)	0	1.25	1.25
16	Ethyl 2-chloro aceto acetate (E2CA)	0	1.7	1.7
17	Ethyl-2-(4-hydroxyphenyl)-4-methyl-1,3-thiazole-5-carboxylate(T2)	0	4.2	4.2
18	Styrene phosphonic acid (SPA)	20	22	42
19	Para Ethoxy Ethyl Benzoate (PEEB)	30	0	30
20	Para Iso Propoxy Ethyl Benzoate (RELD)	0	20	20
21	EXFLAR - N (Melamine cyanurate)	8.4	0	8.4
22	1,1,1, Tris (4- Hydroxy Phenyl) Ethane (THPE)	0	0	5


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23	Flame Retardants-1] Tricryl phosphate2] Triphenyl phosphate 3] Triethyl phosphate 4) Triethyl Phosphite	0	83.4	83.4
24	EXCLAR-414 1,3:2,4-Bis(3,4-dimethylbenzylidene) sorbitol	6.5	0	6.25
25	EXHALS-481 Bis (2,2,6,6-Tetramethyl-4-piperidinyl) sebacate.	8.34	0	8.34
26	Dimethyl Bisphenol Cyclohexane (DMBPC)	10	0	10
27	Amino Trimethylene Phosphonic Acid (ATMP) and Salts /Diethyl Triamine Pentamethylene Phosphonic Acid (DTPMPA) and Salts	120	0	120
28	Butaphosphan	0	1.7	1.7
29	R & D and Pilot Plant for intermediates, Pharmaceuticals and Drugs	5	5	10

32.Total Water Requirement

Dry season:	Source of water	MIDC supply
	Fresh water (CMD):	1505
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	1595
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	608
Wet season:	Source of water	MIDC Supply
	Fresh water (CMD):	1505
	Recycled water - Flushing (CMD):	0
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	1595
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	608
Details of Swimming pool (If any)	NA	


33.Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
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Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	75	0	75	0	0	0	75	0	75
Gardening	30	0	30	30	0	30	0	0	0
Industrial Process	370	380	750	70	70	140	300	310	610
Cooling tower & thermopack	600	140	740	570	120	690	30	20	50

34. Rain Water Harvesting (RWH)	Level of the Ground water table:	4 m
	Size and no of RWH tank(s) and Quantity:	No. of RWH tanks: 1 & Quantity: 100 KL
	Location of the RWH tank(s):	surface
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	3.0 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 2250/month
	Details of UGT tanks if any :	Total Under Ground Storage: 256 Kl are as follows Methanol : 16 kl Ethanol : 16 kl x 2 and 40 kl x 45 Toluene : 16 Kl x 2 Diesel : 16 Kl

35. Storm water drainage	Natural water drainage pattern:	Available (already existing on site)
	Quantity of storm water:	NA
	Size of SWD:	NA

Sewage and Waste water	Sewage generation in KLD:	75
	STP technology:	NA
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

36. Solid waste Management


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Waste generation in the Pre Construction and Construction phase:	Waste generation:	During the construction phase, 8 kg/day of solid waste shall be generated from labor
	Disposal of the construction waste debris:	Waste shall be sent to the designated waste disposal site.
Waste generation in the operation Phase:	Dry waste:	25 kg/day
	Wet waste:	56 kg/day
	Hazardous waste:	20.3 Distillation Residue, 21.1 Process wastes, residue & sludge, Residue from filtration of Sulphur (B8), 34.3 Chemical Sludge from waste water treatment, 5.1
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	Boiler Ash- 2100 TPA
Mode of Disposal of waste:	Dry waste:	Collected by private garbage collection agency and recycled at the Govt authorised plant
	Wet waste:	The waste will be sent to Organic Waste Converter
	Hazardous waste:	TSDF Site
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	To brick Manufacture
Area requirement:	Location(s):	Surface
	Area for the storage of waste & other material:	Hazardous waste - 287 sq.mt , ETP operation - 4613 sq.mt
	Area for machinery:	22772.4 sq.mt
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	36 Crore
	O & M cost:	2.5 Cr/Annum

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	Hazen	2.0	6.0-7.0	5.5-9.0
2	Colour	-	colourless	colourless	colourless
3	TDS	mg/l	12000-14000	< 200	< 2100
4	TSS	mg/l	100 - 200	<85	< 100
5	COD	mg/l	8000-10000	230	< 250
6	BOD	mg/l	5000 - 7000	25	<30

Amount of effluent generation (CMD):	640 KLD
Capacity of the ETP:	ETP-650 KLD & MEE- 100 KLD
Amount of treated effluent recycled :	90 KLD
Amount of water send to the CETP:	608 KLD
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Raw Effluent Collection/Equalization We have a fully operative effluent treatment facility comprising of Auto neutralization, Equalization tanks, Secondary and



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Disposal of the ETP sludge		TSDF site					
38.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Distillation residue of M2BB/E2BB Product	20.3 Distillation Residue	MT/A	24	0	24	TSDF site
2	Distillation Bottom from R&D, Pilot plant Products	20.3 Distillation Residue	MT/A	20	20	40	TSDF site
3	Distillation Bottom of THPE product	20.3 Distillation Residue	MT/A	1.75	0	1.75	TSDF site
4	Distillation Bottom of SPA product	20.3 Distillation Residue	MT/A	5.4	5.4	10.8	TSDF site
5	Distillation Bottom of PEEB product	20.3 Distillation Residue	MT/A	5	0	5	TSDF site
6	Distillation Bottom of RELD product	20.3 Distillation Residue	MT/A	0	8	8	TSDF site
7	Distillation Bottom of DETC product	20.3 Distillation Residue	MT/A	229	161	390	TSDF site
8	Distillation Bottom of DMTC product	20.3 Distillation Residue	MT/A	0	5	5	TSDF site
9	Distillation Bottom of Phenyl Hydrazin	20.3 Distillation Residue	MT/A	0	100	100	TSDF site
10	Distillation Residue of Butaphospan product	20.3 Distillation Residue	MT/A	0	16	16	TSDF site
11	Distillation bottom of DMBPC product	20.3 Distillation Residue	MT/A	0	3.6	3.6	TSDF site
12	Distillation bottom of TAZ product	20.3 Distillation Residue	MT/A	0	0.5	0.5	TSDF site
13	Distillation Bottom of DMATA.HCI	20.3 Distillation Residue	MT/A	31	0	31	TSDF site
14	Distillation bottom of Ni4 product	20.3 Distillation Residue	MT/A	0	10	10	TSDF site
15	Sludge Arising from P4	21.1 Process wastes, residue & sludge	MT/A	0	9.56	9.56	TSDF site
16	Salt from Ni4 Product	21.1 Process wastes, residue & sludge	MT/A	0	234	234	TSDF site
17	Residue from filtration of Sulphur	Residue from filtration of Sulphur (B8)	MT/A	100	50	150	TSDF site
18	Charcoal Residue	34.3 Chemical Sludge from waste water treatment	MT/A	2.1	0	2.1	TSDF site
19	Sludge arising from treatment of high COD waste streams form DETC Process	34.3 Chemical Sludge from waste water treatment	MT/A	7500	9375	16875	TSDF site
20	Sludge arising from treatment of high COD waste streams form DMPAT Process	34.3 Chemical Sludge from waste water treatment	MT/A	0	500	500	TSDF site
21	Sludge arising from secondary treatment of waste water	34.3 Chemical Sludge from waste water treatment	MT/A	800	0	800	TSDF site
22	Spent Lubricating agent system oils	5.1 Used or spent oil 5.2 wastes or residues containing oil	MT/A	5	5	5	TSDF site
23	Discarded containers/barrels/liners/Containers of hazardous chemicals and hazardous waste	33.3 Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	no/yr	1000	0	1000	TSDF site
24	Residue containing iron sulfide, silica and carbon from product distillation.	B4 Residue containing iron sulfide, silica and carbon from product distillation	MT/A	30	0	30	TSDF site



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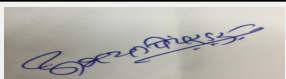
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39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler 12TPH	Coal- 24 TPH	S1	42	1.18	415 Kelvin
2	Boiler 6TPH	Coal	S1	42	1.18	415 Kelvin
3	Boiler 12TPH	Coal- 25 TPH	S1	42	1.18	415 Kelvin
4	Generator- 1010 KVA	HSD- 4 T/day	S10	4.5	0.304	388 Kelvin
5	Generator- 750 KVA	HSD- 2 T/day	S9	3.5	0.203	396
6	Generator- 380 KVA	HSD- 1.5 T/day	PS-1 (A)	3.5	0.203	485 Kelvin
7	PCL3	NA	S2	18	0.05	307 Kelvin
8	DETC - I	NA	S3	6	0.05	307 Kelvin
9	DETC - II	NA	S5	6	0.05	307 Kelvin
10	DETC - I	NA	S4	6	0.15	305 Kelvin
11	DETC - II	NA	S6	6	0.15	309 Kelvin
12	NPMIDA	NA	S7 (A)	18	0.15	-
13	NPMIDA	NA	S7 (B)	22	0.07	-
14	NPMIDA	NA	S7 (C)	8	0.15	-
15	SPA	NA	S8	6	0.05	308 Kelvin
16	Pilot Plant	NA	S11	6	0.05	309 Kelvin
17	Pilot Plant	NA	S12	6	0.05	307 Kelvin
18	ATMP	NA	ATMP	6	0.05	-
19	Oil hearing unit	Furnace Oil - 1 T/day	S14	16	0.25	452 Kelvin
20	P2S5 (P2) Plant	Furnace Oil - 1 T/day	PS2	16	0.20	327 Kelvin
21	P2S5 (P2) Plant	NA	PS3	10	0.20	305 Kelvin
22	P2S5 (P3) Plant	Furnace Oil - 1.05 T/day	PS3	16	0.20	312 Kelvin
23	P2S5 (P3) Plant	NA	PS5	10	0.20	307 Kelvin
24	DMPAT	NA	S15	6	0.05	-
25	MPP	NA	S16	6	0.002	-
26	MPP	NA	S17	6	0.002	-


40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	29 T/day	20 T/day	49 T/day
2	HSD	7.5 T/day	0	7.5 T/day
3	Furnace Oil	3.05 T/day	0.95 T/day	4 T/day
41.Source of Fuel		Coal - Imported from Indonesia (Mine) , HSD/Furnace Oil - from Refinery		
42.Mode of Transportation of fuel to site		Road transport		


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43.Green Belt Development	Total RG area :	31555 sq.mt
	No of trees to be cut :	0
	Number of trees to be planted :	155
	List of proposed native trees :	Date Palm, White frangipani, False Ashoka, Coconut, Indian-almond, Mango, Weeping fig, Gulmohar tree, Dracaena, Ixora, Ashoka, Indian shot, Raatrani
	Timeline for completion of plantation :	3 years

44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Phoenix Dactylifera	Date Palm	11	Cultivated primarily for fruit eaten fresh or dried, being a high energy food of high sugar content, as well as a good source of iron and potassium also have medicinal properties.
2	Plumeria alba	White frangipani	6	Root bark, flower and seed used in medicine.
3	Polyalthia longifolia	False Ashoka	30	Used for making barrels
4	Cocos nucifera	Coconut	8	Cultivated primarily for fruit eaten fresh or dried, used in cosmetics and also have medicinal properties.
5	Terminalia catappa	Indian-almond	18	Raw seed eaten fresh or roasted and rest Bark, leaves and fruits used in medicine
6	Mangifera indica	Mango	2	Cultivated primarily for fruit eaten fresh and rest Bark, leaves have medicinal properties.
7	Ficus benjamina	Weeping fig	14	An ornamental plant also used for air cleaning.
8	Delonix regia	Gulmohar tree	5	Gulmohar is an ornament plant in all over world and parts are used as a traditional medicine
9	Dracaena marginata	Dracaena	10	Dracaena is an ornament plant in all over world
10	Ixora chinensis	Ixora	12	Used as an ornamental hedge and parts are used as a medicine
11	Saraca indica	Ashoka	15	Root bark, flower and seed used in medicine.
12	Canna indica	Indian shot	5	Canna indica is an ornament plant in all part of the world
13	Cestrum nocturnum	Raatrani	5	Used as an ornamental hedge and parts are used as a medicine
14	Cycas revoluta	Sago palm	8	Leaves and seed used in medicine.
15	Tabernaemontana divaricata	Crape jasmine	6	It is used as a traditional medicine

45.Total quantity of plants on ground

46.Number and list of shrubs and bushes species to be planted in the podium RG:

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Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47. Energy

Power requirement:	Source of power supply :	MSEDCL (Maharashtra State Electricity Distribution Company Limited)
	During Construction Phase: (Demand Load)	25 KVA
	DG set as Power back-up during construction phase	3 Nos. of DG Set having Capacity 380 KVA, 750 KVA & 1010 KVA
	During Operation phase (Connected load):	6866 KVA
	During Operation phase (Demand load):	3950 KVA
	Transformer:	3 MVA each, 22 KV Input and 3 Phase 440 V output
	DG set as Power back-up during operation phase:	3 Nos. of DG Set having Capacity 1010 KVA, 750 KVA & 380 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	None

48. Energy saving by non-conventional method:


Use of LED lamps in place of conventional Mercury Vapour lamps, Installation of energy efficient Motors, Installation of Energy Pumps.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Electricity consumption of lighting is reduced by 5	100 KW to 50 KW

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air pollution from coal boiler	Chimney (cyclone type dust collector)	Chimney (cyclone type dust collector)
Air pollution from DG sets	Stacks has been provided	-
Air pollution from flue gases from process	Common Scrubbers, Packed Column Scrubber	Common Scrubbers, Packed Column Scrubber



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Waste water stream	ETP & MEE	ETP & MEE
Noise from Machinery area, canteen etc	Earmuffs	Earmuffs
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	LED Lamps - 22.0 Lakhs, Energy Efficient Motors - 10 Lakhs, Energy Efficient Pumps- 25 Lakhs (2018-2019)
	O & M cost:	5 Lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air and Noise pollution control system	PM, Leq	3 Lakh

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Plant and Machinery (APCM)	APCS and monitoring	30	240
2	Solid Waste Management	Filter press for sludge De-watering	100	0.6
3	Waste Water Management	ETP and MEE	1500	223
4	Landscaping/Plantation	Plantation	50	8

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

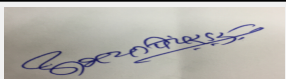
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA

52.Any Other Information

No Information Available


53.Traffic Management

Nos. of the junction to the main road & design of confluence:	1
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	11573 sq.mt
	Area per car:	7.5 sq.mt
	Area per car:	7.5 sq.mt
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	9
	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	NA
	Court cases pending if any	NO COURT CASE
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	08-05-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	Not Applicable
Water Budget	Not Applicable
Waste Water Treatment	Not Applicable
Drainage pattern of the project	Not Applicable
Ground water parameters	Not Applicable
Solid Waste Management	Not Applicable



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Air Quality & Noise Level issues	Not Applicable
Energy Management	Not Applicable
Traffic circulation system and risk assessment	Not Applicable
Landscape Plan	Not Applicable
Disaster management system and risk assessment	Not Applicable
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	Not Applicable
Any other issues related to environmental sustainability	Not Applicable
Brief information of the project by SEAC	
PP requested to withdraw the proposal while their communication dated 10 th June 2020. Hence SEAC-1 decided to refer the proposal to the SEIAA.	
DECISION OF SEAC	
In view of above, SEAC-1 decided to refer the proposal to the SEIAA	
Specific Conditions by SEAC:	
FINAL RECOMMENDATION	
Kindly find SEAC decision above.	




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