Agenda of SEAC-1 Meeting

SEAC Meeting number: 142 nd Meeting of SEAC-1 (DAY-2) **Meeting Date** September 14, 2017

Subject: Environment Clearance for Proposed 1131 Kg / Year Active Pharmaceutical Ingredients & Intermediates Production Plant at Plot No.: T - 6, MIDC Tarapur, Village: Boisar, Tal.: Palghar, Dist.: Palghar, Maharashtra.

1.Name of Project	Proposed 1131 Kg / Year Active Pharmaceutical Ingredients & Intermediates Production Plant at Plot No.: T - 6, MIDC Tarapur, Village: Boisar, Tal.: Palghar, Dist.: Palghar, Maharashtra.
2.Type of institution	Private
3.Name of Project Proponent	Dr. Mahesh Dalvi / Surajlok Chemicals Pvt. Ltd.
4.Name of Consultant	Mr. H.K. Desai / Enviro Analysts and Engineers Private Limited.
5.Type of project	Proposed 1131 Kg / Year Active Pharmaceutical Ingredients & Intermediates Production Plant.
6.New project/expansion in existing project/modernization/diversification in existing project	New Project (Change of Products)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No.: T – 6, MIDC Tarapur
9.Taluka	Palghar
10.Village	Boisar
Correspondence Name:	Dr. Mahesh Dalvi
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	Plot No.: T – 6, MIDC Tarapur, Village: Boisar, Tal.: Palghar Dist.: Palghar.
City:	Tarapur
11.Area of the project	MIDC Tarapur
12.IOD/IOA/Concession/Plan Approval Number	Approval received from MIDC Tarapur.
	IOD/IOA/Concession/Plan Approval Number: Approval received on 25/03/1992.
	Approved Built-up Area: 2676
13.Note on the initiated work (If applicable)	Surajlok Chemicals Pvt. Ltd. has an existing unit at Plot No. T - 6. the Company has proposed to manufacture 1131 Kg / Year Active Pharmaceutical Ingredients & Intermediates within their Existing Plant.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approval received from MIDC Tarapur. Approval received on 25/03/1992.
15.Total Plot Area (sq. m.)	2275 sqm.
16.Deductions	Not applicable
17.Net Plot area	2275 sqm.
18.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.): 2676
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	98000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	00	00	00

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23.Number of tenants and shops	Not applicable
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)	MIDC Tarapur Fire Station is the nearest Fire Station from the Project Site which is about 1.5 km away from the project site towards ENE. This MIDC Road is 9.0 mtr. wide.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9.0 mtr.
29.Existing structure (s) if any	Surajlok Chemicals Pvt. Ltd. has an existing unit at Plot No. T - 6. the Company has proposed to manufacture 1131 Kg / Year Active Pharmaceutical Ingredients & Intermediates within their Existing Plant. Existing structures will be retained.
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	Alkylation	00	0.0151	0.0151
2	Complexation	00	0.0013	0.0013
3	Condensation	00	0.0204	0.0204
4	Esterification	00	0.0088	0.0088
5	Hydrolysis	00	0.0143	0.0143
6	Oxidation	00	0.0015	0.0015
7	Quaternization	00	0.0196	0.0196
8	Reduction	00	0.0133	0.0133
9	Total	00	0.0943	0.0943

32.Total Water Requirement

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Dry season:	**Source of water**	MIDC Tarapur Water Supply System, Recycling of Treated Water and Reusing of Boiler Condensate.
	Fresh water (CMD):	16
	Recycled water - Flushing (CMD):	3.0
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	45
	Fire fighting - Underground water tank(CMD):	50
	Fire fighting - Overhead water tank(CMD):	00
	Excess treated water	29
Wet season:	**Source of water**	MIDC Tarapur Water Supply System, Rooftop Rain Water Harvesting System for this Plant (during Monsoon only) , Recycling of Treated Water and Reusing of Boiler Condensate.
	Fresh water (CMD):	12
	Recycled water - Flushing (CMD):	3.0
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	41
	Fire fighting - Underground water tank(CMD):	50
	Fire fighting - Overhead water tank(CMD):	00
	Excess treated water	29
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	2.5	2.5	5	0.25	0.25	0.5	2.25	2.25	4.5
Industrial Process	0	6	6	0	2	2	0	4	4

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Cooling tower & thermopack	0	2	2	0	1.4	1.4	0	0.6	0.6
Gardening	4	0	4	4	0	4	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.3 m below ground level (mbgl) during the month of July 2016.
	Size and no of RWH tank(s) and Quantity:	1 no. RWH Tank will be constructed of 12 KL Capacity. 10 KLD Rooftop Rain water will be harvested.
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	Recharge pits are not proposed.
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 1,50,000
	Budgetary allocation (O & M cost) :	Rs. 20,000 per year
	Details of UGT tanks if any :	1. One Number of UGT for RWH. Capacity of the Tank would be 12 KL. 2. One Number of UGT for Fire Water Storage. Capacity of the Tank will be 50 KL. Fire Water Requirement is about 33.6 KL Top of the tanks / Finished floor level of the tanks would be above 0.5 m above the high flood level.
35.Storm water drainage	**Natural water drainage pattern:**	The Site has Natural Slope towards towards South-West of the plot.
	Quantity of storm water:	Total Quantity of Storm Water Runoff during its peak will be about 34.5 m3 / Day
	Size of SWD:	Depth of the Storm water Drain (SWD) will be 0.5m and width will be 0.3m. The slope will be maintained throughout the SWD in such a way that the velocity of the flowing water will be more than 0.3m/sec. but for drainage, design velocity of the flowing water has been considered as 0.6m/sec.
Sewage and Waste water	**Sewage generation in KLD:**	4.5 KLD Sewage will be collected in the Septic Tank first and then the over flow of septic tank will be fed to the Aeration Tank of Effluent Treatment Plant of 25.0 KLD Capacity and then it will be treated up to Advanced Tertiary Level.
	STP technology:	Sewage will be collected in the Septic Tank first and then the over flow of septic tank will be fed to the Aeration Tank of Effluent Treatment Plant of 25.0 KLD Capacity and then it will be treated up to Advanced Tertiary Level. One Number of ETP has been Proposed and any separate STP has not been proposed.
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

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36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	The Company has proposed to manufacture 1131 Kg / Year Active Pharmaceutical Ingredients & Intermediates within their Existing Plant. Existing structures will be retained. Therefore any major civil construction work is not envisaged for this proposed project.
	Disposal of the construction waste debris:	Any major civil construction work is not envisaged for this proposed project.
Waste generation in the operation Phase:	**Dry waste:**	Non Hazardous Solid Wastes from this factory will be from office and plant like waste paper, corrugated box, broken glass / plastic non-contaminated.
	Wet waste:	Domestic waste & garden leaves
	Hazardous waste:	1. Process Residues & wastes: 80 kg / Month 2. Spent Catalyst: 1 kg / Month 3. Discarded Containers: 30 Nos. / Month 4. ETP Sludge: 50 kg / Month.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Sweepers / workers will collect such wastes separately (Biodegradable and Non biodegradable) from the source and would store in solid waste collection enclosure (to be located suitably within the project site). These Recyclable Non-biodegradable solid wastes will be sold to prospective buyers.
	Wet waste:	Biodegradable solid waste will be used for composting within the plant premises.
	Hazardous waste:	1. Process Residues & wastes: 80 kg / Month 2. Spent Catalyst: 1 kg / Month 3. ETP Sludge: 50 kg / Month : Will be disposed to CHWTSDF, Taloja. 4. Discarded Containers: Will be sold to authorized recycler after proper decontamination.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	The Proposed project of M/s. Surajlok Chemicals Pvt. Ltd. is located at Plot No.: T - 6, MIDC Tarapur, Village: Boisar, Tal.: Palghar, Dist.: Palghar, Maharashtra.
	Area for the storage of waste & other material:	a. Store Room: 260.0 m2 b. Hazardous Chemical Storage Area: 46.3 m2 c. Hazardous Waste Storage Area: 5.0 m2.
	Area for machinery:	a. Plant & Machinery Area : 256 m2 b. Utility Area: 140.5 m2.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 98000000
	O & M cost:	Rs. 14700000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	5-8	6.5-8.5	5.5-9
2	BOD	Mg/l	250-300	<10	<100
3	COD	Mg/l	8000-9500	<50	<250

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4	TSS	Mg/l	350-400	<10	<100
5	TDS	Mg/l	21000	<100	<2100
6	O & G	Mg/l	20-30	<10	<10

Amount of effluent generation (CMD):	15.3 KLD
Capacity of the ETP:	25 KLD
Amount of treated effluent recycled :	19.0 KLD
Amount of water send to the CETP:	Treated Water and Boiler Condensate will be completely recycled / reused in the Plant and there will be no liquid discharge outside the plant premises. It will be a Zero Liquid Discharge (ZLD) Plant.
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Advanced Tertiary Treatment
Disposal of the ETP sludge	Will be disposed to CHWTSDF, Taloja.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Process Residues & Wastes	28.1	NA	NA	80 kg / Month	80 kg / Month	Will be disposed to CHWTSDF, Taloja
2	Spent Catalyst	28.2	NA	NA	1 kg / Month	1 kg / Month	Will be disposed to CHWTSDF, Taloja
3	ETP Sludge	34.3	NA	NA	50 kg / Month	50 kg / Month	Will be disposed to CHWTSDF, Taloja
4	Discarded Containers	33.3	NA	NA	30 Nos. / Month	30 Nos. / Month	Will be sold to authorized recycler after proper decontamination

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	LDO 65 (KG/hr)	1	30	0.550	90 (oC)
2	D.G Set	HSD: 350.Ltr./M	1	5.0 m above the roof	0.200	40 (oC)

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO	NA	65 (KG/hr)	65 (KG/hr)
2	HSD	NA	350 Lit/M	350 Lit/M

41.Source of Fuel	Local Source
42.Mode of Transportation of fuel to site	Fuel will be transported to site by Sealed Ms Drums through Closed Containers.

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43.Green Belt Development	**Total RG area :**	751 sqm
	No of trees to be cut :	NA
	Number of trees to be planted :	51
	List of proposed native trees :	As listed below
	Timeline for completion of plantation :	1 Month

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	Azadirachta indica	Neem	10	Evergreen
2	Cassia fistula	Golden shower	10	Deciduous
3	Hibiscus rosasinensis	Jaswand	10	Evergreen
4	Butea monosperma	Palas	10	Deciduous
5	Ficus religiosa	Pipal	11	Evergreen
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

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	The Company has proposed to manufacture 1131 Kg / Year Active Pharmaceutical Ingredients & Intermediates (API) within their Existing Plant. Existing structures will be retained.
	DG set as Power back-up during construction phase	The Company has proposed to manufacture API within their Existing Plant. Existing structures will be retained.
	During Operation phase (Connected load):	500 KVA
	During Operation phase (Demand load):	375 KVA
	Transformer:	NA
	DG set as Power back-up during operation phase:	One D.G Set of 320 kVA
	Fuel used:	LDO for Boiler and HSD for DG Set
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

It will be during operational phase of the plant.

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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
Water	NA	4.5 KLD Sewage will be collected in the Septic Tank first and then the over flow of septic tank will be fed to the Aeration Tank of Effluent Treatment Plant of 25.0 KLD Capacity and then it will be treated up to Advanced Tertiary Level. Total 15.3 KLD Effluent will be fed to ETP (Capacity 25.0 KLD) and then it will be treated up to Advanced Tertiary Level.
Air	NA	Process Gas: Scrubber, Media : Alkaline Caustic Solution, Boiler Emission: Adequate Height of the Stack, Double Cyclone Separator and Bag Filter.
Hazardous Solid Waste	NA	Process Residues & Wastes, Spent Catalyst, ETP Sludge Will be disposed to CHWTSDF, Taloja. Discarded Containers Will be sold to authorized recycler after proper decontamination.
Noise	NA	Most of the noise generating equipments will be kept in closed structures. Acoustic systems will be provided to D.G. set. The workers will also be provided wi th ear muff, ear plug while working at noisy area.
Land & Soil	NA	Project proponent will take all reasonable precautions to make its solid waste storage areas impervious to water and leachate migration. This will prevent soil contamination. The land is having fairly flat terrain. The unit has already provided pucca RCC flooring at production, raw material storage and at finished product storage to avoid any contamination with soil during handling, spillages activity.

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	00
	O & M cost:	00

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)
1	Air Environment	Scrubber, Media: Alkaline Caustic Solution, Adequate Height of the Stack, Double Cyclone Separator and Bag Filter.	14	8

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2	Water Environment	Effluent Treatment Plant of 25.0 KLD Capacity and the effluent will be treated up to Advanced Tertiary Level.	52	8
3	Environment Monitoring and Management	Post Project Environmental Monitoring: Ambient Air Quality, Stack Emission, Noise, Effluent Quality, Work Zone Monitoring.	20	2
4	Occupational Health	Regular Health Check-up, Medical Camps in every quarter.	2	2
5	Green Belt	751 sqm area is reserved for green belt development. About 51 Nos. of Trees will be planted for Green Belt Development within the plant premises.	2	2
6	Hazardous Solid Waste Management	Process Residues & Wastes, Spent Catalyst, ETP Sludge Will be disposed to CHWTSDF, Taloja. Discarded Containers Will be sold to authorized recycler after proper decontamination.	10	10

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
Hydrogen	NA	Gas Station	NA	Two Cylinders (0.5 Kgs.)	NA	Local Source	Sealed Cylinders and through Closed Containers
Methyl Bromide	NA	Gas Station	NA	One Cylinder (35 Kgs.)	NA	Local Source	Sealed Cylinders and through Closed Containers
Ammonia 25%	NA	Hazardous Chemical Yard	NA	100 Liters	NA	Local Source	Sealed HDPE Drums and through Closed Containers
Hydrochloric Acid 36 %	NA	Hazardous Chemical Yard	NA	100 Liters	NA	Local Source	Sealed HDPE Carboys and through Closed Containers

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Methyl Hydrazine Sulphate	NA	Hazardous Chemical Yard	NA	50 Kgs	NA	Local Source	Sealed HDPE Drums and through Closed Containers
Phosphoric Acid 98%	NA	Hazardous Chemical Yard	NA	70 Liters	NA	Local Source	Sealed PP Carboys and through Closed Containers
Phosphorous Oxychloride	NA	Hazardous Chemical Yard	NA	25 Liters	NA	Local Source	Sealed Glass Bottles and through Closed Containers
Phosphorous Tri Chloride	NA	Hazardous Chemical Yard	NA	25 Liters	NA	Local Source	Sealed Glass Bottles and through Closed Containers
Sodium Hydroxide	NA	Hazardous Chemical Yard	NA	100 Kgs	NA	Local Source	Sealed HDPE Drums and through Closed Containers
Sulfuric Acid 98%	NA	Hazardous Chemical Yard	NA	20 Liters	NA	Local Source	Sealed HDPE Carboys and through Closed Containers
Acetic Acid	NA	Solvent Yard	NA	200 Liters	NA	Local Source	Sealed HDPE Drums and through Closed Containers
Acetone	NA	Solvent Yard	NA	400 Liters	NA	Local Source	Sealed MS Drums and through Closed Containers
Acetonitrile	NA	Solvent Yard	NA	200 Liters	NA	Local Source	Sealed MS Drums and through Closed Containers
Chlorobenzene	NA	Solvent Yard	NA	200 Liters	NA	Local Source	Sealed MS Drums and through Closed Containers
Dichloromethane	NA	Solvent Yard	NA	400 Liters	NA	Local Source	Sealed HDPE Drums and through Closed Containers
Diethyl Ether	NA	Solvent Yard	NA	200 Liters	NA	Local Source	Sealed MS Drums and through Closed Containers
Dimethyl Amine 40%	NA	Solvent Yard	NA	50 Liters	NA	Local Source	Sealed HDPE Drums and through Closed Containers
Dimethylformamide	NA	Solvent Yard	NA	200 Liters	NA	Local Source	Sealed HDPE Drums and through Closed Containers
Dioxane	NA	Solvent Yard	NA	200 Liters	NA	Local Source	Sealed MS Drums and through Closed Containers

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Ethyl Acetate	NA	Solvent Yard	NA	200 Liters	NA	Local Source	Sealed HDPE Drums and through Closed Containers
Isopropanol	NA	Solvent Yard	NA	200 Liters	NA	Local Source	Sealed MS Drums and through Closed Containers
Methanol	NA	Solvent Yard	NA	400 Liters	NA	Local Source	Sealed HDPE Drums and through Closed Containers
Tetrahydrofuran	NA	Solvent Yard	NA	200 Liters	NA	Local Source	Sealed MS Drums and through Closed Containers
Titanium Tetrachloride 98%	NA	Solvent Yard	NA	10 Liters	NA	Local Source	Sealed Glass bottles and through Closed Containers
Toluene	NA	Solvent Yard	NA	400 Liters	NA	Local Source	Sealed MS Drums and through Closed Containers
Triethyl Amine	NA	Solvent Yard	NA	200 Liters	NA	Local Source	Sealed MS Drums and through Closed Containers
Diesel	NA	Fuel	NA	1000 litres	NA	Local Source	Sealed MS Drums and through Closed Containers

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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Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	273 sqm
	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):	6.0
	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	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015. As the industry is located in the notified industrial area/estate (MIDC),

Public Hearing is exempted under the provisiosn as per para 7 III Stage (3) (b) of the EIA Notification, 2006

DECISION OF SEAC

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During deliberations, it was brought to the notice of the PP that they have not given details of products to be manufactured in the consolidated statement. In the absense of details of the products to be manufactured on site, it is not possible to appraise the proposal.

PP agreed to the remarks of the committee and requested to delist the proposal. PP also informed that, they will submit a fresh proposal giving all details regarding products to be manufactured.

In view of above SEAC-1 decided to delist the proposal

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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Agenda of SEAC-1 Meeting

SEAC Meeting number: 142 nd Meeting of SEAC-1 (DAY-2) **Meeting Date** September 14, 2017

Subject: Environment Clearance for Mining Project

1.Name of Project	HIWARDARA LIMESTONE & DOLOMITE MINE
2.Type of institution	Private
3.Name of Project Proponent	Mr. Prashant V. Deshmukh
4.Name of Consultant	Srushti Seva private Limited
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Survey No 103
9.Taluka	Wani
10.Village	Hiwardara
Correspondence Name:	C/o Mr. R.H. Rathi 308, Shankar Nagar, Nagpur
Room Number:	Not Available
Floor:	Not Available
Building Name:	Not Available
Road/Street Name:	Not Available
Locality:	Shankar Nagar
City:	Nagpur
11.Area of the project	Grampanchayat area
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOC from Grampanchayat
15.Total Plot Area (sq. m.)	Not applicable
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.):
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	6000000

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

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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)	Not Applicable
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
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	Limestone and Dolomite	Nil	0.6 MTPA	0.6 MTPA

32.Total Water Requirement

Dry season:	**Source of water**	The total water requirement - 40 m^3/day, 30 m3/day for dust suppression, plantation from borewell initially and later water collected in mine pit. Drinking water 10 m3/day - borehole.
	Fresh water (CMD):	10
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	30 m3/day for dust suppression, plantation from borewell initially and later water collected in mine pit.
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	40 m^3/day
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

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Wet season:	**Source of water**	Drinking water 10 m3/day - borehole.
	Fresh water (CMD):	10
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	10 m^3/day
	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)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Fresh water requirement	Nil	10	10	Nil	5	5	Nil	5	5

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3.2 m to 11.1 m
	Size and no of RWH tank(s) and Quantity:	Garland drains , gully checks, retention wall etc.
	Location of the RWH tank(s):	Northern boundary of mining lease area
	Quantity of recharge pits:	500 m
	Size of recharge pits :	Section 2 m width x 1 m depth
	Budgetary allocation (Capital cost) :	5
	Budgetary allocation (O & M cost) :	1
	Details of UGT tanks if any :	Not Applicable

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35.Storm water drainage	**Natural water drainage pattern:**	Not Applicable. However, the storm water due to rainfall will be channelized to the natural water courses like gullies and depression through appropriate drainage system with check bunds.
	Quantity of storm water:	Rainfall runoff
	Size of SWD:	Not Applicable
Sewage and Waste water	**Sewage generation in KLD:**	5
	STP technology:	Not Applicable
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	**Dry waste:**	120000 cum upto coneptual period
	Wet waste:	Nil
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	Top soil will be used for plantation and waste materials will be dumped on non-mineral area which will be biologically stabilized
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Within lease area
	Area for the storage of waste & other material:	52500 sqm
	Area for machinery:	Nil
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Nil
	O & M cost:	Nil
37.Effluent Charecterestics		

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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Nil	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Amount of effluent generation (CMD):		Not Applicable			
Capacity of the ETP:		Not Applicable			
Amount of treated effluent recycled :		Not Applicable			
Amount of water send to the CETP:		Not Applicable			
Membership of CETP (if require):		Not Applicable			
Note on ETP technology to be used		Not Applicable			
Disposal of the ETP sludge		Not Applicable			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Nil	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

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	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Nil	Nil	Nil	Nil
41.Source of Fuel		Not Applicable		
42.Mode of Transportation of fuel to site		Not Applicable		

43.Green Belt Development	**Total RG area :**	52500
	No of trees to be cut :	Nil
	Number of trees to be planted :	10500
	List of proposed native trees :	Awala, Behada, Kadulimb, Karanj, Moha Sag, Kawath and Peru
	Timeline for completion of plantation :	Upto 7 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	Emblica officinalis	Awala	1500	Created to intercept dust, gaseous pollutants and noise and Fruits
2	Cassia fistula	Bahava	1000	Created to intercept dust, gaseous pollutants and noise

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3	Azadirachta indica	Kadulimb	1500	Created to intercept dust, gaseous pollutants and noise
4	Pongamia pinnata	Karanj	1000	Created to intercept dust, gaseous pollutants and noise
5	Madhuca indica	Moha	1500	Created to intercept dust, gaseous pollutants and noise
6	Tectona grandis	Sag	2000	Created to intercept dust, gaseous pollutants and noise
7	Feronia limonia	Kavath	1000	Created to intercept dust, gaseous pollutants and noise
8	Psidium guajava	Peru	1000	Fruit plant
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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Power Distribution Company Limited
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	Not Applicable
	During Operation phase (Demand load):	Not Applicable
	Transformer:	Not Applicable
	DG set as Power back-up during operation phase:	Not Applicable
	Fuel used:	Not Applicable
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

It is proposed to install 5 solar light poles within mining lease area to saving energy by non-conventional method.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar lights	5

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed

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Fugitive dust emission	Nil	Water tankers

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 50,000/-
	O & M cost:	Rs. 5,000/-

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Not Applicable	Not Applicable	Not Applicable

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Pollution Control	Garland drains, gully checks, retention wall etc.)	5	1
2	Pollution Monitoring	Air, Noise monitoring Water, Soil sample analysis	0	1
3	Occupational Health	Regular health chechup of Mine workers	0	1
4	Green Belt	Plantation of 10500 trees within 7 tears within and outside thelease boundary	0	1
5	Others	Wild life management	0	1

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
Nil	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not Applicable

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Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Not Applicable
	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	Category 'B1'
	Court cases pending if any	No
	Other Relevant Informations	Nil
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	29-11-2016

Brief information of the project by SEAC

DECISION OF SEAC

During deliberations it was brought to the notice of PP that, they have not uploaded the EIA/EMP rerrot on the web site. In absence of EIA/EMP report it was not possible to appraise the proposal.

PP agreed with the view of the SEAC-1 and requested to consider on priority once they upload the EIA/EMP report.

The proposal is deferred till PP submits the EIA/EMP report on the web site.

Specific Conditions by SEAC:

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FINAL RECOMMENDATION

SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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Agenda of SEAC-1 Meeting

SEAC Meeting number: 142 nd Meeting of SEAC-1 (DAY-2) **Meeting Date** September 14, 2017

Subject: Environment Clearance for Proposed expansion of Synthetic Organic Chemicals Manufacturing Unit at Plot No. 74, 75, 76, Chikhloli MIDC, Ambarnath West, Dist. Thane by Centaur Pharmaceuticals Pvt. Ltd

1.Name of Project	Proposed expansion of Synthetic Organic Chemicals Manufacturing Unit at Plot No. 74, 75, 76, Chikhloli MIDC, Ambarnath West, Dist. Thane by Centaur Pharmaceuticals Pvt. Ltd
2.Type of institution	Private
3.Name of Project Proponent	Centaur Pharmaceuticals Pvt. Ltd
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Industrial project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion within existing facility
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No.
8.Location of the project	Plot No. 74, 75 & 76, Chikhloli MIDC
9.Taluka	Ambernath
10.Village	Ambernath
Correspondence Name:	Mr. Ashok Kundlik Walunj
Room Number:	--
Floor:	--
Building Name:	--
Road/Street Name:	--
Locality:	--
City:	--
11.Area of the project	Maharashtra Industrial Development Corporation
12.IOD/IOA/Concession/Plan Approval Number	MIDC approved plan
	IOD/IOA/Concession/Plan Approval Number: MIDC approved plan
	Approved Built-up Area: 9028.32
13.Note on the initiated work (If applicable)	Not applicable. Proposed expansion is within existing plot
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC approval
15.Total Plot Area (sq. m.)	8,435 sq. m.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 9028.32
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	905000000

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
2	Not applicable	Not applicable	Not applicable

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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)	Min. 6 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min. 9 m
29.Existing structure (s) if any	Proposed expansion is within existing site.
30.Details of the demolition with disposal (If applicable)	Minor quantity of demolition waste will be generate.

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31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Bulk Drugs and Intermediates (Excluding formulation) likes below	33180	86935	120031
2	HYPNOTIC/SEDATIVE/TRANQUILIZER/ANXIOLYTIC/ANTICONVULSANT/ANASTHETIC/ANTIDIABETIC	22356	5476479	76479
3	Group I (Nitrazepam, Clonazepam, Bromazepam, Diazepam, Clotiazepam,	--	19748	19748
4	Group I (Flurazepam Mono hydrochloride, Tetrazepam, Delorazepam, Clobazam, Phenazepam)	--	19748	19748
5	Group II (Alprazolam, Oxazepam, Lorazepam, Zolpidem Tartrate, Triazolam, Etizolam, Temazepam)	--	19673	19673
6	Group III (Zopiclone(058)	--	19588	19588
7	Group IV (Chloridazepoxide, Zaleplon, Sodium Oxybate, Stiriepentol Brivaracetam, Empagliflozin,	--	16279	16279
8	Group IV Dapagliflozin, Saxagliptin, Sitagliptin, Teneligliptin, Linagliptin, Vildagliptin, Chlorodiazepoxide hydrochloride	--	16279	16279
9	Group V (Midazolam base, Midazolam HCl, Midazolam maleate, Clorazepate Di Potassium, Brotizolam,	--	1191	1191
10	Group V Loprazolam Mesilate, Propiomazine Maleate, Propiomazine HCl, Prazepam, Estazolam,	--	1191	1191
11	Group V Fludiazepam, Flunitrazepam, Lormetazepam, Pinazepam, Es-Zopiclone)	--	1191	1191
12	ANTIDEPRESSANT/CNS STIMULANT (Nortriptyline HCl, Melitracen HCl, Tranylcypromine Sulphate, Amoxapine,	3276	3969	7245
13	ANTIDEPRESSANT/CNS STIMULANT Loxapine Succinate, Loxapine HCl, Methylphenidate HCI, Dixmethylphenidate HCl)	3276	3969	7245
14	ANTI-GLUCOMA/ ANTIHISTAMINIC (Brimonidine Tartrate, Timolol Maleate, Dorzoamide HCl, Chloropyramine HCl, Olopatadine HCl)	756	1213	1969
15	ANTIPROTAZOAL (Nimorazole)	180	495	675
16	ANTIPSYCHOTIC/ANTIPYRETIC/ANTI-INFLAMATORY/ANALGESIC/ANTI-ULCER (Rebamipide, Acotiamide HCl Hydrate, Fluphenazine HCl, Flupentixol, Dihydrochloride, Aripiprazole, Flupentixol Decanoate, Fluphenazine Decanoate,	1932	6355	8287
17	ANTIPSYCHOTIC/ANTIPYRETIC/ANTI-INFLAMATORY/ANALGESIC/ANTI-ULCER Asenapine Maleate, Benzydamine HCl USP, Zuclopentixol Acetate / HCL/Dacanoate, Brexpiperazole Diperoxochloric Acid Concentrate, Pimavanserin, Mexazolam Quinagolide)	1932	6355	8287
18	ANTIEMETIC (Metopimazine, Nabilone)	60	507	567
19	ANTISPASMODIC/MUSCLE RELAXANT (Chlorzoxazone, Tiemonium Methyl sulphate, Pitofenone HCl)	3900	19109	23009
20	ANTIDYSKINETIC/DIURETIC/SNR INHIBITOR/CHOLINERGIC/URINARY INCONTINENCE (Tetrabenazine, Metolazone(36), Milnacipran HCl, Levomilnacipran HCl,	360	674	1034
21	ANTIDYSKINETIC/DIURETIC/SNR INHIBITOR/CHOLINERGIC/URINARY INCONTINENCE Fampyridine, Rivastigmine Hydrogen tartarate , Valebenazine, Deutetrabenazine , Propiverine HCl)	360	674	1034
22	HYPERTENSION/ ANTIHYPERTENSION (Pindolol)	24	111	135
23	PLATELET INHIBITOR (Prasugrel)	12	18	30
24	ANGINA	12	0	0
25	ANTIVIRAL	12	0	0
26	ANTI CARDIOVASCULAR	12	0	0
27	CALCIMIMETIC	24	0	0
28	ERECTILE DYSFUNCTION	12	0	0

29	IRREVERSIBLE INHIBITOR OF MONOAMIDE OXDASE	12	0	0
30	R & D ACTIVITY & OTHERS (Tolterodine, Silodosin, Voriconazole, Ezetimibe, Solifenacin,	240	360	600
31	R & D ACTIVITY & OTHERS Amitriptyline HCl, Pyridostigmine Bromide, Indapamide, Acetazolamide, Clidinium bromide)	240	360	600
32	Recovered Solvents	120 TPA	2880 TPA	3000 TPA

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	407 cmd
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	**Source of water**	Not applicable
	Fresh water (CMD):	Not applicable
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	Not applicable
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

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33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	12	13	25	3	2	5	9	11	20
Industrial Process	25	60	85	14	0	14	11	60	71

Cooling tower & thermopack	82	185	267	81	157	238	1	28	29
Gardening	10	20	30	10	20	30	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	--
	Size and no of RWH tank(s) and Quantity:	--
	Location of the RWH tank(s):	--
	Quantity of recharge pits:	--
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	0
	Budgetary allocation (O & M cost) :	0
	Details of UGT tanks if any :	Not applicable
35.Storm water drainage	**Natural water drainage pattern:**	--
	Quantity of storm water:	--
	Size of SWD:	--
Sewage and Waste water	**Sewage generation in KLD:**	20 cmd
	STP technology:	Not applicable. Sewage will be treated in upgraded ETP plant.
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Minor quantity of construction debris will be generate.
	Disposal of the construction waste debris:	Construction waste will be disposed off as per norms.
Waste generation in the operation Phase:	**Dry waste:**	Empty drums, Glass bottles, Plastic bags, Corrugated sheets, Metal scrap, Paper waste, Plastic waste, Rubber waste, Boiler ash, Wooden waste
	Wet waste:	Not applicable
	Hazardous waste:	Sludge and filters contaminate with oil , Used or spent oil, Wastes or residues containing oil, Discarded Asbestos, Process residue and wastes, Spent carbon, Off specification products, Date-expired products, Spent solvent, Empty barrels/containers/liners contaminated with hazardous chemicals/wastes, Contaminated cotton rags or other cleaning materials, Exhaust air or gas cleaning residue, Spent ion exchange resin containing toxic metals, Chemical sludge from waste water treatment, Filter medium
	Biomedical waste (If	Not applicable

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Mode of Disposal of waste:	**Dry waste:**	Non Hazardous waste will be sell to authorized recycler.
	Wet waste:	Not applicable
	Hazardous waste:	Hazardous waste will be safely disposed off to CHWTSDF (TTCWMA)/ Sale to authorized Re processoras
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not applicable
Area requirement:	**Location(s):**	within plot
	Area for the storage of waste & other material:	Detail will be given during EIA report
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Detail will be given during EIA report
	O & M cost:	Detail will be given during EIA report

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	4 to 12	6.0 to 8.5	6.0 to 8.5
2	Oil & Grease	mg/L	< 10	< 10	10
3	Biological oxygen demand	mg/L	2000 to 7000	< 100	100
4	Total Suspended solids	mg/L	200 to 1000	< 100	100
5	Chemical oxygen demand	mg/L	5000 to 10000	< 250	250
6	Chloride	mg/L	500 to 2000	< 600	600
7	Sulphates as SO4	mg/L	< 1000	< 1000	1000
8	Total dissolved solids	mg/L	2000 to 5000	< 2100	2100
9	Phenolic compound	mg/L	< 1	< 1	1
10	Chromium	mg/L	< 1	< 0.1	0.1
11	Sulphide as S	mg/L	< 1	< 2	2

Amount of effluent generation (CMD):	Domestic effluent: 20 cmd & Trade effluent: 100 cmd, Total effluent generation (Existing + Proposed): 120 cmd
Capacity of the ETP:	150 cmd (Existing + Proposed)
Amount of treated effluent recycled :	Maximum amount of treated effluent will be recycle & balance will sent to CETP.
Amount of water send to the CETP:	Maximum amount of treated effluent will be recycle & balance will sent to CETP.
Membership of CETP (if require):	Unit is already member of Chikhloli- Morivali CETP.
Note on ETP technology to be used	As per Pre- feasibility report.
Disposal of the ETP sludge	ETP sludge will be disposed off in CHWTSDF.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Sludge and filters contaminate with oil	3.3	TPA	0	2	2	CHWTSDF (TTCWMA)

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2	Used or spent oil	5.1	TPA	4.8	10	14.8	Sale to authorized Re processor/CHWTSDF
3	Wastes or residues containing oil	5.2	TPA	0.1	0.2	0.3	CHWTSDF (TTCWMA)
4	Discarded Asbestos	15.2	TPA	0	0.8	0.8	CHWTSDF (TTCWMA)
5	Process residue and wastes	28.1	TPA	2.4	273.6	276	CHWTSDF (TTCWMA)
6	Spent carbon	28.3	TPA	6	26	32	CHWTSDF (TTCWMA)
7	Off specification products	28.4	TPA	0	5	5	CHWTSDF (TTCWMA)
8	Date-expired products	28.5	TPA	0	5	5	CHWTSDF (TTCWMA)
9	Spent solvent	28.6	TPM	5	395	400	Sell to authorized Reprocessor/CHWTSDF
10	Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	33.1	Nos./M	0	20,000	20,000	Sell to authorized Reprocessor/CHWTSDF
11	Contaminated cotton rags or other cleaning materials	33.2	TPA	0	1	1	CHWTSDF (TTCWMA)
12	Exhaust air or gas cleaning residue	35.1	TPA	0	3	3	CHWTSDF (TTCWMA)
13	Spent ion exchange resin containing toxic metals	35.2	TPA	0	0.5	0.5	CHWTSDF (TTCWMA)
14	Chemical sludge from waste water treatment	35.3	TPA	0.96	149.04	150	CHWTSDF (TTCWMA)
15	Filter medium	36.2	TPA	0	2	2	CHWTSDF (TTCWMA)
16	E waste	-	Kg/M	75	425	500	Sell to authorized Reprocessor/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 (capacity 600 kg/hr) [existing]	LSHS/ LDO: 300 Lit/day	1	20	0.3	130 C
2	Boiler standby (capacity 600 kg/hr) [existing]	standby	1	common stack	same as above	same as above
3	Process reactor [existing]	Alkali scrubber	2	10	0.3	42 C
4	Process reactor standby [existing]	--	2	common stack	same as above	same as above
5	DG set 380 KVA [existing]	HSD: 260 Lit/month or 100 Lit/Hr	3	12	as per norms	115 C
6	DG set 40 KVA [existing]	--	4	12	as per norms	104 C
7	Boiler (capacity 1000 kg/hr)(proposed)	FO : 1.8 KL/day	5	As per statutory requirement	As per statutory requirement	As per statutory requirement

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8	Boiler (capacity 5000 kg/hr) In place of existing 600 kg/hr boiler](Proposed)	FO: 3KL/day, Natural Gas 6500 Nm3/day)	5	As per statutory requirement	As per statutory requirement	As per statutory requirement
9	Boiler standby (capacity 5000 kg/hr) [In place of existing 600 kg/hr boiler] (Proposed)	standby	5	As per statutory requirement	As per statutory requirement	As per statutory requirement
10	Process reactor [proposed]	Water scrubber	6	As per statutory requirement	As per statutory requirement	As per statutory requirement
11	Process reactor [proposed]	Alkali scrubber	7	As per statutory requirement	As per statutory requirement	As per statutory requirement
12	DG set (1000 KVA) [proposed]	HSD: 250 Lit/hr	8	As per statutory requirement	As per statutory requirement	As per statutory requirement
13	DG set (750 KVA) [proposed]	HSD: 175 Lit/hr	9	As per statutory requirement	As per statutory requirement	As per statutory requirement

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	100 Lit/Hr	425 Lit/Hr	525 Lit/Hr
2	LSHS/ LDO	300 Lit/ Day	--	300 Lit/ Day
3	Furnace oil	--	4.8 KL per Day	4.8 KL per Day
4	Natural Gas	--	6500 Nm3 per Day	6500 Nm3 per Day
41.Source of Fuel		from nearby vendors		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	as per MIDC norms
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	Details will be given in EIA report.
	List of proposed native trees :	Details will be given in EIA report.
	Timeline for completion of plantation :	Details will be given in EIA report.

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	--	--	--	--
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	--	--	--

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47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	3000 KVA (proposed)
	DG set as Power back-up during construction phase	existing DG set of 380 KVA & 40 KVA
	During Operation phase (Connected load):	Proposed power requirement: 3000 KVA
	During Operation phase (Demand load):	Proposed power requirement: 3000 KVA
	Transformer:	--
	DG set as Power back-up during operation phase:	Proposed additional DG set: 1 no. of 1000 KVA capacity & 1 no. of 750 KVA
	Fuel used:	Total HSD consumption: 525 Lit/ Hr
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

Existing details: 20 kw solar energy panels are installed and generating reusable electricity. Existing CFL lights replaced with low voltage LED lights.

Proposed details: It is proposed to install additional 200 KW solar energy panels.

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air pollution-Boiler, Process emissions,	Stack	Stack
Air pollution-Process reactor	Alkali scrubber	Alkali scrubber, Water scrubber
Air pollution-DG set	Stack	Stack
Water pollution	ETP	ETP, RO, MEE
Noise	PPE, Enclosure	PPE, Enclosure

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Solid & Hazardous waste	disposal to CHWTSDF	disposal to CHWTSDF

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Pollution Control	Details will be given in EIA report	Details will be given in EIA report	Details will be given in EIA report

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
Methanol	existing & proposed	within plot	63 MT	63 MT	923.04 TPA	nearby vendors	By road
IPA	existing & proposed	within plot	63 MT	63 MT	465.048 TPA	nearby vendors	By road
Ethyl Acetate	existing & proposed	within plot	63 MT	63 MT	275.45 TPA	nearby vendors	By road
Toluene	existing & proposed	within plot	63 MT	63 MT	2188.716 TPA	nearby vendors	By road
LDO	existing	within plot	18 MT	18 MT	30 Lit/Day	nearby vendors	By road
HSD	existing & proposed	within plot	1600 L	1600 L	12.6 KL/ Day	nearby vendors	By road
Furnace Oil	proposed	within plot	300 MT	300 MT	4.8 KL/ Day	nearby vendors	By road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not applicable

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Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	as per MIDC norms
	Area per car:	as per MIDC norms
	Area per car:	as per MIDC norms
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	Minimum 6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5(f)- B
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	26-12-2016

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

As the industry is located in the notified industrial area/estate (MIDC), Public Hearing is exempted under the provisions as per para 7 III Stage (3) (b) of the EIA Notification, 2006

DECISION OF SEAC

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Based on the presentation made by PP; committee decided to approve the TOR for the preparation of EIA/EMP report as per standard TOR and additional TOR points mentioned below.

PP to collect base line data as per Office Memorandum issued by MoEF&CC dated 27.08.2017.

Specific Conditions by SEAC:

1) PP to submit lay out plan showing internal roads, location of pollution control equipment, parking areas, 33% green belt, rain water harvesting etc
2) PP to submit structural stability certificate of existing buildings.
3) PP informed that the plot Nos. 74,75,76 are not yet amalgamated and manufacturing processes are interlinked among these plots; PP asked to amalgamate the plots and submit copy of amalgamation.
4) 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.
5) PP to carry out HAZOP and QRA and submit report
6) PP to submit hazardous chemical handling protocol
7) PP to submit on site and off site emergency plan.
8) PP to submit details of high COD/TDS effluent, design details of ETP.
9) PP to submit design details of air pollution control systems.
10) PP to include details of solid waste generation and its quantity in the EIA report.
11) PP to explore possibility of using flow chemistry for new products.

FINAL RECOMMENDATION

The Committee decided to Grant ToR subject to the above observations,PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.

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Agenda of SEAC-1 Meeting

SEAC Meeting number: 142 nd Meeting of SEAC-1 (DAY-2) **Meeting Date** September 14, 2017

Subject: Environment Clearance for Schedule 5(f), Synthetic Organic Chemical Industries, 'B' Category

1.Name of Project	Manufacturing of Dye & Dye Intermediates
2.Type of institution	Private
3.Name of Project Proponent	M/s. Indychem Industries
4.Name of Consultant	M/s. Green Circle, Inc.
5.Type of project	Industrial project at MIDC Taloja area
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion project (Product mix)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance was not requisite for mixing and blending of dye-stuff & pigments. CTE and CTO was obtained from Maharashtra Pollution Control Board (MPCB)
8.Location of the project	Plot. No. J-30/1, MIDC Industrial area Taloja
9.Taluka	Panvel
10.Village	Taloja
11.Area of the project	Maharashtra Industrial Development Corporation (MIDC), Taloja
12.IOD/IOA/Concession/Plan Approval Number	Plant approval from MIDC, Taloja
	IOD/IOA/Concession/Plan Approval Number: Plant approval subject to office letter No. SPA/TLJ/A27958 dated 24.01.2014
	Approved Built-up Area: 786.20
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.)	1200 sq.m
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 786.20 Sq. m
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	38400000

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)	

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27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	25 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m
29.Existing structure (s) if any	Existing industry (as per CTO)
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	Mixing & Blending of Pigments & Paints-By dry process	50	0	50
2	Mixing & Blending of Pigments & Paints-By Wet process	50	0	50
3	Dyestuff & Pigment in Powder Form (Such as Chrysodine, Bismark Brown, Malachite Green, Rhodamine B, Victoria Blue, Solvent Black, Pigments etc) - Powder form	0	50	50
4	Dyestuff & Pigment in Liquid form (Such as Methyl Violet Liquid, Chrystal Violet Liquid, Malachite Green Liquid, Brilliant Green Liquid, Victoria Blue Liquid, Chrysodine Liquid, Bismark Brown Liquid, Rhodamine B Liquid, Basic Yellow Liquid etc) - Liquid	0	75	75
5	Mixing & Blending of Dyestuff & Pigments - Powder	0	30	30
6	Byproduct	0	6	6

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	-	-	3	-	-	0.6	-	-	2.4
Gardening	-	-	5	-	-	5	-	-	0
Industrial Process	-	-	28	-	-	5.7	-	-	22.3
Cooling tower & thermopack	-	-	19	-	-	18	-	-	1.0

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Pre-monsoon: 0.95 to 7.70 m bgl & Post-monsoon: 1.10 to 4.05 m bgl
	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 :	Domestic & flushing tank: 15 KL and Fire fighting tank: 50 KL
35.Storm water drainage	**Natural water drainage pattern:**	The industry is located in Taloja MIDC area where all the facilities are available by MIDC. The land is having gentle slope.
	Quantity of storm water:	1320 m3
	Size of SWD:	1.0 m x 1.0 m
Sewage and Waste water	**Sewage generation in KLD:**	2.4
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No. x 3 KLD
	Location & area of the STP:	12 Sq.m
	Budgetary allocation (Capital cost):	Rs. 5 Lakhs
	Budgetary allocation (O & M cost):	Rs. 1 Lakhs/Annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris, Waste concrete, metallic waste, plastics, broken bricks etc.
	Disposal of the construction waste debris:	Construction debris, Waste concrete and broken bricks will be utilized in low-land leveling, secondary concrete, below roads. Some quantity of Excavation soil will be use for back-filling and remaining will be hand over to authorized vendor.
Waste generation in the operation Phase:	**Dry waste:**	Paper, cardboard, Empty Drum, HDPE bags, Metal scrap etc. - 2 MT/M
	Wet waste:	Food waste
	Hazardous waste:	Used oil, ETP Sludge
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10 Kg/Month
	Others if any:	NA

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Mode of Disposal of waste:	**Dry waste:**	Sale to authorized vendors
	Wet waste:	Sent to disposal site
	Hazardous waste:	Sale to authorized vendors/Sent to CHWTSDF
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure for gardening.
	Others if any:	NA
Area requirement:	**Location(s):**	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	4.5 -9.5	7.5 - 7.6	5.5-8.0
2	COD	mg/L	35000 - 45000	1000 - 1800	< 2700
3	BOD	mg/L	4000 - 6000	500 - 800	< 1500

Amount of effluent generation (CMD):	23.3
Capacity of the ETP:	30
Amount of treated effluent recycled :	10
Amount of water send to the CETP:	Remaining treated effluent from ETP after recycling will be sent to CETP
Membership of CETP (if require):	Yes, Membership obtained
Note on ETP technology to be used	The ETP is comprised of primary, secondary & tertiary treatment unit's viz. equalization tank, neutralization tank, aeration tank, primary & secondary clarifiers, PSF, ACF and final collection sump.
Disposal of the ETP sludge	Forwarded to CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used oil	5.1	L/yr	-	20	20	Sale to Authorized vendors/recyclers
2	ETP Sludge	34.3	MT/M	-	0.30	0.30	Sent to 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 (Non IBR) 1	Furness oil - 100 lit/day	1	12	0.4	110 oC
2	Thermo pack	Coal/wood/ Briquette - 2.5 MT/day	2	12	0.5	110 oC
3	D.G Set	HSD - 20 lit/day	3	5	0.08	90 oC

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40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furness oil	-	100 lit/day	100 lit/day
2	Coal/wood/ Briquette	-	2.5 MT/day	2.5 MT/day
3	HSD	-	20 lit/day	20 lit/day
41.Source of Fuel		Local Market		
42.Mode of Transportation of fuel to site		Road Transport		

43.Green Belt Development	**Total RG area :**	396 sq. m (150 sq. m. within premises & 246 sq. m. on Land allotted by MIDC)
	No of trees to be cut :	NA
	Number of trees to be planted :	25
	List of proposed native trees :	Asok, Kadamb, Neem, Bakul, Apta etc.
	Timeline for completion of plantation :	2 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	Cassia fistula	Bahava	-	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
2	Mimusops elengi	Bakul	-	Shady tree, small white fragrant flowers
3	Nyctanthes arbor-tristis	Parijatak	-	Small deciduous fast growing tree, beautiful flowrers.
4	Lagerstroemia flos-regineae	Tamhan	-	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
5	Murraya paniculata	Kunti	-	Small tree, Fragrant white flowers, Butterfly host plant
6	Saraca asoka	Sita Ashok	-	Shady tree with red-yellow flowers.
7	Gmelina arborea	Shivan	-	Fast growing tree with beautiful yellow flowers
8	Azadirachta indica	Neem	-	Semi-evergreen tree with medicinal value
9	Bombax ceiba	Kate sawar	-	Large deciduous tree. Flowers attract many birds.
10	Michelia champaca	Son chafa	-	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
11	Anthocephallus cadamba	Kadamb	-	Shady, large deciduous tree, fast-growing graceful tree, ball shaped flowers.
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
	During Construction Phase: (Demand Load)	10 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	15 KW (existing)
	During Operation phase (Demand load):	125 KW
	Transformer:	NA
	DG set as Power back-up during operation phase:	1 No. x 82 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. The proposed project will provide enough day light factors in the building to permit maximum day light to interior to minimize overall energy consump
2. Focusing on the high performance energy efficient U & R values can bring down the building energy consumption i.e. the operational cost for the any commercial buildings.
3. To the extent possible and technically feasible, energy efficient equipment will be selected.
4. Maximize the use of natural lighting through design
5. Gravity flow will be preferred wherever possible to save pumping energy.
6. Proper temperature controls will be provided to reduce load on heating systems

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 emission - Process vents & flue gas stacks	-	Air preheater, Multiple Cyclone Seperator, ID Fan, Wet Scrubber, Dueting with Adequate chimney height

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Wastewater - Domestic use, process, boiler blowdown, cooling tower blowdown, washing	-	ETP & STP
Noise - Process area, Utility area, ETP area	-	The Boiler would be kept in an isolated area with proper acoustic treatment to have the ambient noise level as per CPCB standards. The workers would be provided with proper personal protective equipment (PPE) such as ear plugs,ear muffs etc. The DG sets would be enclosed in canopy as well as silencer.
Solid Waste	-	Sale/ Recycle/ disposal to CHWTSDF

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

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	Dust suppression	1.0
2	Green area	Green Belt development	1.0
3	Solid waste	Solid waste management facility	0.5
4	Air, water, noise	Environment Monitoring	1.5
5	Health & safety	Occupational Health	1.0

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 emission	Provision for stack & APCM	4.0	1.5
2	Air & Flue gas	Provision of Boiler & Thermopack	8.0	-
3	Wastewater	Up gradation ETP Plant & O & M	30.00	4.80
4	other	other	10.00	-
5	Green area	Development of Green Belt	0.50	0.20
6	Solid /Hazardous waste	Solid waste management	-	3.60

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

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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
Diethyl meta amino phenol	Solid	Drums-Raw material storage area	12.00	12.00	12.00	Local supplier	Road transport
Phthalic anhydride	Solid	Bags-Raw material storage area	12.00	12.00	12.00	Local supplier	Road transport
Di methyl aniline	Liquid	Drums-Raw material storage area	30.00	30.00	30.00	Local supplier	Road transport
Mono methyl aniline	Liquid	Drums-Raw material storage area	1.20	1.20	1.20	Local supplier	Road transport
Diethyl aniline	Liquid	Drums-Raw material storage area	2.00	2.00	2.00	Local supplier	Road transport
Aniline	Liquid	Drums-Raw material storage area	1.20	1.20	1.20	Local supplier	Road transport
Benzel dehyde	Liquid	Drums-Raw material storage area	11.00	11.00	11.00	Local supplier	Road transport
Meta phenylene diamine/meta toluable diamine	Solid	Drums-Raw material storage area	3.00	3.00	3.00	Local suppliaer	Road transport
Sodium nitrite	Solid	Bags-Raw material storage area	2.00	2.00	2.00	Local supplier	Road transport
Oxalic acid	Solid	Bags-Raw material storage area	4.80	4.80	4.80	Local supplier	Road transport
Paraformal dehydride	Solid	Bags-Raw material storage area	0.70	0.70	0.70	Local supplier	Road transport
Phenyl alpha naphthylamine	Solid	Bags-Raw material storage area	2.20	2.20	2.20	Local supplier	Road transport
Acetic acid	Liquid	Drums-Raw material storage area	25.00	25.00	25.00	Local supplier	Road transport
Caustic soda	Solid	Bags-Raw material storage area	12.00	12.00	12.00	Local supplier	Road transport
Di sodium hydrose phosphate	Solid	Bags-Raw material storage area	0.65	0.65	0.65	Local supplier	Road transport
Sodium molybdate	Solid	Bags-Raw material storage area	3.20	3.20	3.20	Local supplier	Road transport
Catalyst	Solid	Bags-Raw material storage area	1.20	1.20	1.20	Local supplier	Road transport
Emulsifier	Liquid	Drums-Raw material storage area	0.50	0.50	0.50	Local supplier	Road transport
Sulphuric acid	Liquid	Drums-Raw material storage area	5.00	5.00	5.00	Local supplier	Road transport
Hydrochloric acid	Liquid	Drums-Raw material storage area	25.00	25.00	25.00	Local supplier	Road transport
B brown base	Solid	Bags-Raw material storage area	2.00	2.00	2.00	Local supplier	Road transport
Basic yellow	Solid	Bags-Raw material storage area	1.60	1.60	1.60	Local supplier	Road transport
Crysodine base	Solid	Bags-Raw material storage area	1.20	1.20	1.20	Local supplier	Road transport
Dyestuff powder	Solid	Bags-Raw material storage area	24.00	24.00	24.00	Local supplier	Road transport

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Metanil yellow	Solid	Bags-Raw material storage area	2.10	2.10	2.10	Local supplier	Road transport
Methyl violet	Solid	Bags-Raw material storage area	7.50	7.50	7.50	Local supplier	Road transport
Rhodamine base	Solid	Bags-Raw material storage area	4.00	4.00	4.00	Local supplier	Road transport
Globber salt/ vaccum salt	Solid	Bags-Raw material storage area	6.00	6.00	6.00	Local supplier	Road transport

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Two Nos.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	10 Sq.m
	Area per car:	10 Sq. m
	Area per car:	10 Sq. m
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	1 No.
	Public Transport:	Auto Rickshaw from 200 m the plant boundary
	Width of all Internal roads (m):	6
	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	'B
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes

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	Date of online submission	23-01-2016

Brief information of the project by SEAC

PP has obtianed TOR in the 124th meeting of SEAC-1 held on 30th & 31st March 2016 and now PP submitted the EIA reprot durig 141at meeting. It was brought to the notice of PP that they have uploaded the EIA reprot on 14th August 2017 and the expert members couldnot study the same in such a short time. Hence SEAC-1 decided to defer the proosal in 141st meeting and decided to considered in ensuing meeting.

DECISION OF SEAC

PP submitted letter for leave of absensee on 13.09.2017 due to unavoidable circumstances and requested to defer the proposal.

SEAC-1 on request of PP decided to defer the proposal till PP's readyness.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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Agenda of SEAC-1 Meeting

SEAC Meeting number: 142 nd Meeting of SEAC-1 (DAY-2) **Meeting Date** September 14, 2017

Subject: Environment Clearance for • Capacity Expansion of Existing Products & By-products, Additional of Similar Products & By Products, Introduction of New Eco Friendly Biomass Boiler, Addition of Adjacent MIDC plot and Change in Name

1.Name of Project	ETERNIS Fine Chemicals Limited
2.Type of institution	Private
3.Name of Project Proponent	Mr KP Sureshan
4.Name of Consultant	ULTRA TECH Environment Consultancy & Laboratory, NABET Accrediated Consulting Organization, NABET Certificate No: NABET/EIA/1417/SA 0011
5.Type of project	Industrial Estate
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion and Name Change
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	YES
8.Location of the project	Plot No: D-9/1, D-9/2 , D 15 and D-9/3
9.Taluka	Daund
10.Village	Kurkumbh
11.Area of the project	MIDC Area
12.IOD/IOA/Concession/Plan Approval Number	D54489 dated 25/10/2016
	IOD/IOA/Concession/Plan Approval Number: D54489 dated 25/10/2016
	Approved Built-up Area: 31328
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	1,04,917 m2
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 55000
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	1000000000

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	Floating Population (500 app.)
25.Tenant density per hectare	Not applicable

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26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 meters
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 meters
29.Existing structure (s) if any	Not applicable
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	Existing :Para /Ortho Tertiary Butyl Cyclohexanol & Para /Ortho Tertiary Butyl Cyclohexyl Acetate & Para /Ortho Tertiary Butyl Cyclohexyl Acetate Super (PTBCHA/OTBCHA),Styrallyl Acetate,Benzyl Salicylate,3,3,5 Trimethyl Cyclohexanol,3,3,5 Trimethyl Cyclohexyl Salicylate or Homosalate USP ,Methyl-3-oxo-2-pentyl-1-cyclopentane acetate / Methyl Dihydro Jasmonate/ Methyl Dihydro Jasmonate – High Cis,Hamber,Hydrogen	2250	0	2250
2	from existing 3 (proposed) Ortho tertiary butyl cyclohexanol, Ortho tertiary butyl cyclohexyl acetate & Ortho tertiary butyl cyclohexyl acetate - s,Para teritary butyl cyclohexyl acetate ,	0	345	345
3	Existing : 3-methyl-3 penten-2 one or Methyl Pentene One, Hexyl Salicylate,Alpha Hexyl Cinnamaldehdye and OR Hexyl Cinnamic Aldehyde (HCA),PHENYL ETHYL ALCOHOL OR BETA PHENYL ETHYL ALCOHOL/ PHENYL ETHYL ACETATE / PHENYL ETHYL METHYL ETHER / METHOXY ETHYL PHENOL,Vanillin / Ethyl Vanillin	1267	0	1267
4	Proposed : Para tertiary butyl cyclohexanol, Hedione – high cis, ,Phenyl hexanol, Dihydromyrcenol, Florosol,Cyclademol,Water melon ketone, Osyrol,Cashmeran, Tetrahydromyrcenol,Para tertiary butyl cyclohexanone,Ortho tertiary butyl cyclohexanone.	0	322	322
5	Proposed : Cyclamen aldehyde, Phenyl ethylacetate,Coniferan,2-hydroxy benzaldehdye or ortho hydroxyl benzaldehyde,Amyl salicylate,Hexyl acetate,Aphermate,	0	458	458
6	Proposed :Coumarin,Phenyl ethyl methyl ether,Gamma lactones (undeca,deca, nona),	0	358	358
7	TOTAL	3517	1483	5000
8	By Product : Existing: Dilute Acetic Acid,Low Purity Distilled Products,Spent Oil/ Lube Oil, carbon powder,Technical Grade OT/STAC/Benzyl Salicylate/Hamber/ Hexyl Salicylate, HCA,PEA,Vanillin/ Similar Products,Recoverd Methanol, Recovered PE-PCP Mixture,Sodium Sulphate	950	0	950

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9	Proposed : Dilute Acids, Low Purity Distilled Products,Technical Grade OT/PT/ STAC/Benzyl Salicylate /3,3,5 Trimethyl Cyclohexonal/ 3,3,5 Trimethyl Cyclohexyl Salicylate/ Coumarin/ Hamber / MPO (3-methyl-3 penten-2 one)/ n-Hexyl Salicylate/ Hexyl Cinnamic Aldehyde (HCA)/ phenyl ethyl alcohol or beta phenyl ethyl alcohol/para tertiary butyl cyclohexanol, Hedione – high cis, ,Phenyl hexanol,Dihydromyrcenol, Florosol, Cyclademol, Water melon ketone, Osyrol, Cashmeran, Tetrahydromyrcenol/Para tertiary butyl cyclohexanone,Ortho tertiary butylcyclohexanone. Cyclamen aldehyde, Phenyl ethylacetate, Coniferan,2-hydroxy benzaldehdye or ortho hydroxyl benzaldehyde,Amyl salicylate,Hexyl acetate,Aphermate,Iso cyclocitral, Rosamusk,Cyclo hexyl ethyl acetate, Styrallyl propionate/ Coumarin,Phenyl ethyl methyl ether, Gamma lactones (undeca,deca, nona), Galaxolide, Rosinile, Dihydrocoumarin,Octahydrocoumarin.,Recovered Solvents, Recovered PE-PCP Mixture,Recovered Salt	0	717	717
10	TOTAL	950	717	1667

32.Total Water Requirement

Dry season:	**Source of water**	MIDC
	Fresh water (CMD):	707
	Recycled water - Flushing (CMD):	420
	Recycled water - Gardening (CMD):	33
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1159
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable

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Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	707
	Recycled water - Flushing (CMD):	420
	Recycled water - Gardening (CMD):	33
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1159
	Fire fighting - Underground water tank(CMD):	600
	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)**		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	8	27	35	0.5	1.5	2	7.5	25.5	33
Industrial Process	80	280	360	0	3	3	103	244	347
Cooling tower & thermopack	210	6	216	210	6	216	0	40	40
Gardening	10	60	70	10	60	70	0	0	0

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	40 m
	Size and no of RWH tank(s) and Quantity:	250 cum
	Location of the RWH tank(s):	South West Corner of the Site
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	INR 2750000 (already installed)
	Budgetary allocation (O & M cost) :	INR 250000
	Details of UGT tanks if any :	Fire Water Tank = 450 cum (existing), MIDC water tank = 200 cum

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35.Storm water drainage	**Natural water drainage pattern:**	North to South
	Quantity of storm water:	100 cum
	Size of SWD:	500 mm
Sewage and Waste water	**Sewage generation in KLD:**	33
	STP technology:	Conventional
	Capacity of STP (CMD):	1 number & 35 KL
	Location & area of the STP:	As shown in master layout - 50 sqm
	Budgetary allocation (Capital cost):	INR 1500000 (already installed)
	Budgetary allocation (O & M cost):	INR 150000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 kg/day
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	37.84 TPD
	Wet waste:	100 kg/day
	Hazardous waste:	(1) 35.3 Chemical Sludge from Waste Water Treatment = 0.3 TPD, (2) 36.1 Distillation Residue = 6.6 TPD, (3) 5.1/5.2 Spent Oil = 0.6 TPD, (4) 20.2 Spent Solvent = 0.15 TPD, (5) 35.2 Spent Ion Exchange resins = 0.0018 TPD, (6) Process Waste = 0.13 TPD,(7). 15.1Discarded Asbestos = 0.04 TPD , (8) 33.1 Empty barrels, containers/ liners = 0.24 TPD
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	4 kg/day
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	Send to Authorized Recycler
	Wet waste:	Will be treated Organic Waste Convertor
	Hazardous waste:	Send to authorized vendor
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Used as manure for gardening
	Others if any:	Not applicable
Area requirement:	**Location(s):**	As shown in master layout
	Area for the storage of waste & other material:	28 sqm
	Area for machinery:	Not applicable

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Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	INR 500000
	O & M cost:	INR 150000

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6-8	6.5-8.5	6-9
2	BOD	ppm	3600	30	25
3	COD	ppm	4500-7000	250	250
4	TDS	ppm	1000	1000	2100

Amount of effluent generation (CMD):	420
Capacity of the ETP:	480 CMD
Amount of treated effluent recycled :	420 CMD
Amount of water send to the CETP:	0
Membership of CETP (if require):	Available
Note on ETP technology to be used	Conventional Type
Disposal of the ETP sludge	To authorized vendor

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical Sludge from Waste Water Treatment	35.3	TPD	0.16	0.14	0.30	Send to authorized party
2	Distillation Residue	36.1	TPD	0.1	6.5	6.6	Sale
3	Spent oil	5.1/5.2	TPD	0.15	0.45	0.60	Send to authorized party
4	Spent Solvents	20.2	TPD	0	0.5	0.5	Send to authorized party
5	Spent Ion Exchange resins	35.2	TPD	0	0.0018	0.0018	Send to authroized party
6	Process waste	20.4	TPD	4.5	0.13	4.63	Send to authorized party
7	Discarded Asbestos	15.2	TPD	0	0.04	0.04	Send to authorized party
8	Empty barrels, containers/ liners	33.1	TPD	0	0.24	0.24	Send to authorized party

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	Existing : IBR Boiler Balsam Plant 4.5 TPH	FO = 140 litre/hr	S-1	33	500mm	120 deg C
2	Existing :IBR Boiler Hedione 4.5 TPH	FO = 140 litre/hr	S-2	33	500 mm	121 deg C
3	Existing :Thermic Fluid Heater Supermax Pilot Plant	Diesel = 6 litre/hr	S-3	33	400 mm	121 deg C
4	Existing : IBR Hamber Plant 2.5 TPH	FO = 100 litre/hr	S-4	33	500 mm	120 deg C

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5	Existing :IBR Boiler Hamber Plant 4.5 TPH	FO = 140 litre/hr	S-6	33	500mm	121 deg C
6	Existing :IBR Boiler MPO 2.5 TPH	FO = 100 litre/hr	S-7	33	500 mm	123 deg C
7	Existing :Vapor Heater Dowtherm HCA	FO = 15 litre/hr	S-5	33	500 mm	123 deg C
8	Proposed : Vapor Heater Dowtherm x 2	FO = 30 litres	S-22	33	500 mm	120 deg C
9	Proposed :Vapor Heater Dowtherm	FO = 15 litres	S-22	33	500 mm	120 deg C
10	Existing : DG 100 KVA , 160 KVA, 250 KVA x 2 nos.,500 KVA x 6 nos.	Diesel = 450 litres/day	S-8,9,10,11,12,22, 13,14,15 & S 18	3,3.5,5,3.5,2,5,5,5 & 5	--	100 deg C
11	Proposed : Brequitee Boilers	Biomass Briquettes=80 Tonnes/day	S- 16	33	1000 mm	122 deg C
12	Proposed : 4 x 500 KVA	Diesel = 400 litres/day	S 17, S 25, S 23, S24	5	--	100 deg C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Proposed:Biomass Briquettes	0	26280 TPY	26280 TPY
2	Existing:HSD	600 TPY	250 TPY	850TPY
3	Existing:Furnace Oil	4380 TPY	Standby for make up steam	4380 TPY for make up steam
4	Existing:LDO	150 TPY	Standby	150 TPY
41.Source of Fuel		Authorized Vendors		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development	**Total RG area :**	Existing:24882 sqm+ proposed :8250 sqm=33132 sqm
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	Existing Trees planted:1000 +Proposed Trees to be planted:1000=2000 no of trees
	List of proposed native trees :	As given in the list below
	Timeline for completion of plantation :	Till the completion of the 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	Delonix regia	Gulmohor	300	Flower bearing tree
2	Saraca asoca	Ashoka	300	Medicinal importance
3	Pongamia pinnata	Karanj	200	source of biodiesel
4	Bombax ceiba	Shevari	200	Medicinal Plant
5	Total	--	1000	--
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	Lantena	200 mm	500

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	20 kW
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	5604 kW
	During Operation phase (Demand load):	4500 kW
	Transformer:	1 x 1000 kVA ,1 x 750 kVA,1 x 2000kVA,1 x 360 kVA
	DG set as Power back-up during operation phase:	1 x 100 kVA,1 x 160 kVA, 2 x 250kVA, 10 x 500 KVA (6 Existing and 4 proposed)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Provision of solar panel at site.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Not Applicable	Not Applicable

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
STP	Conventional Type STP	Conventional Type STP
OWC	NA	Organic Waste Convertor for canteen waste
ETP	Conventional Type	Biotower
DG sets	Aqoustic Hood Provision	Aquostic Hood Provision
Scrubber	Water Type	As per scrbbing media
Cyclone Filters	Filter Bags	Filter bags with ESP

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs 5 Lakhs
	O & M cost:	Rs 0.50 Lakhs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Water For Dust Suppression	1.44
2	Air	Water For Dust Suppression	0.48
3	Water	Tanker water for construction	6.0
4	Water	water Monitoring	0.6
5	Land	Site Sanitation	4.8
6	Biological	Gardening Set Up and top soil preservation	3.3
7	Socio- Economic Environment	Disinfection	0.18
8	Socio- Economic Environment	First Aid Facility	0.6
9	Socio- Economic Environment	Health Check up	0.2
10	Socio- Economic Environment	Creches for children	3.0
11	Personal Protective Equipment	Personal Protective equipment	1.2
12	total	--	21.79

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Emission control	Stack	--	--
2	water and waste water management	ETP	100000000	25000000
3	Solid waste	OWC	500000	150000
4	Green Belt development	Landscaping	1000000	300000
5	Monitoring	MoEF &CC	1500000	3000000
6	Environmental Cell and PR	--	NA	NA
7	RWH Tanks	--	25000000	250000
8	Costing for Drain connection	--	20000000	2000000

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
Existing :Acetaldehyde	Liquid	As per the layout	60	48	170	Approved vendor	Road
Existing :Methanol	Liquid	As per layout	300	150	270	Approved vendor	Road

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Proposed :Methanol	Liquid	As per layout	200	100	270	Approved vendor	Road
Proposed: Hydrochloric Acid: (30%)	Liquid	As per layout	25 x 1, 15 x2, 2 x1	42	350	Approved vendor	Road

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	--
Parking details:	**Number and area of basement:**	--
	Number and area of podia:	--
	Total Parking area:	10000 sqm
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	--
	Public Transport:	--
	Width of all Internal roads (m):	9m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None within 10 kms
	Category as per schedule of EIA Notification sheet	5(f) Category B
	Court cases pending if any	NA
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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Brief information of the project by SEAC

During discussion PP informed that they have obtianed TOR approval in the 124th meeting of SEAC-1 held on30th & 31st March 2016 under category 5(f)B1and now PP submitted the EIA reprot.

It was brought to the notice of PP that they have uploaded the EIA reprot on 14th August 2017 and the expert members have not read the same in such a short time. Hence SEAC-1 decided to defer the proposal in this meeting and will be considered in ensuing meeting.

DECISION OF SEAC

SEAC - I decided to recommed the proposal for prior Environment Clearance.

Specific Conditions by SEAC:

1) PP to submit an undertaking for not violating any conditions of EIA Notification, 2006.
2) PP to submit letter/permission from MIDC on their name for total water requirement of 700 KLD.
3) PP to use biomass as a fuel for proposed two boilers.

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 SEAC-1 Meeting

SEAC Meeting number: 142 nd Meeting of SEAC-1 (DAY-2) **Meeting Date** September 14, 2017

Subject: Environment Clearance for Synthetic chemical industry (under 5 f category)

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	M/s NGL Fine Chem Ltd
2.Type of institution	Private
3.Name of Project Proponent	Mr Rahul Nachane
4.Name of Consultant	SGM CORPORATE CONSULATNT PVT LTD
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Change in Product Mix
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	W-142,C,Thane Belapur Road, Pawane, Navi Mumbai
9.Taluka	VASHI
10.Village	PAWANE
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 880
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.)	900.00
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): Not applicable
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	360

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)	

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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	Not applicable
29.Existing structure (s) if any	Not applicable
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	Erythromycin Stearate/ Estoilate IP/BP & OTHERS	10	0.3	0.3
2	Nitazoxanide	0	2.0	2.0
3	Triclabendazole	0	2.0	2.0
4	Butaphosphan & others API	0	2.0	2.0
5	Isometamidium chloride hydrochloride	0	0.2	0.2
6	Imidocarb Dipropionate	0	0.2	0.2
7	Clorsulon	0	0.8	0.8
8	Diminazene Diaceturate	0	1.0	1.0
9	Praziquantal	0	0.3	0.3
10	Albendazole	0	0.5	0.5
11	Ranolazine	0	0.2	0.2
12	Febuxostat	0	0.5	0.5

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	1.7	00	1.7	0.3	00	0.3	1.4	00	1.4
Industrial Process	7.5	00	7.5	0.5	00	0.5	7.0	00	7.0
Cooling tower & thermopack	18.5	00	18.5	18.0	00	18.0	0.5	00	0.5
Gardening	2.0	00	2.0	2.0	00	2.0	00	00	00

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34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	about 5.0
	Size and no of RWH tank(s) and Quantity:	10 cum
	Location of the RWH tank(s):	ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	1.0
	Budgetary allocation (O & M cost) :	0.05
	Details of UGT tanks if any :	50 cum
35.Storm water drainage	**Natural water drainage pattern:**	Through MIDC drain
	Quantity of storm water:	0.15 cum/sec
	Size of SWD:	300 x 400 mm
Sewage and Waste water	**Sewage generation in KLD:**	1.4
	STP technology:	Septic tank
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	1.5
	Budgetary allocation (O & M cost):	0.15
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:**	2.5 KG
	Wet waste:	2.5 KG
	Hazardous waste:	DISTILLATION RESIDUES & OTHERS
	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:**	Handed over to local body
	Wet waste:	Handed over to local body
	Hazardous waste:	Sent to CHWTSDF, Trans Thane Creek Waste Management-Mahape,Navi Mumbai.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	20 sq.m
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1.5 L
	O & M cost:	0.2 L

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	5.5-6.5	5.5-9.0	5.5-9.0
2	BOD	mg/lit	3250 -3500	<100	100
3	COD	mg/lit	7220 – 8910	<250	250
4	SS	mg/lit	320-480	<100	100

Amount of effluent generation (CMD):	7.5
Capacity of the ETP:	10
Amount of treated effluent recycled :	00
Amount of water send to the CETP:	7.5
Membership of CETP (if require):	yes
Note on ETP technology to be used	ETP with tertiary treament
Disposal of the ETP sludge	Sent to CHWTSDF, Trans Thane Creek Waste Management-Mahape,Navi Mumbai.

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	5.1	TPM	0.08	00	0.08	MPCB authorised Vendors
2	Spent Catalysts	28.2	TPM	0.01	0.01	0.01	CHWTSDF
3	Discarded Containers	33.3	NO.	45	05	50	return to vendor/sale
4	ETP Sludge	35.3	TPM	0.01	00	0.01	CHWTSDF
5	Distillation Residue	20.3	TPM	0.07	0.005	0.075	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 (stand by)	180 Lit/day	1	30	0.3	120

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2	Scrubber	00	1	12	0.1	40
3	D.G	50	1	4.5	0.1	90

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO	150	30	180
41.Source of Fuel		LOCAL VENDORS		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	**Total RG area :**	148.20 sq.m
	No of trees to be cut :	00
	Number of trees to be planted :	30
	List of proposed native trees :	In annexure
	Timeline for completion of plantation :	Already planted

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 :**	MSEB
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	175 KVA
	Transformer:	300
	DG set as Power back-up during operation phase:	125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Light fixtures will be used with energy saving LED & T5 fluorescent tube with electronic chocks , use of Energy efficient equipments (BEE STAR RATED

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Yes	5.0-7.5 KVA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
wasterwater	ETP	NA
Emissions	Scrubber	NA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2.5 L
	O & M cost:	0.3 L

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)
1	WATER POLLUTION CONTROL	ETP	20.0	2.75
2	AIR POLLUTION CONTROL	SCRUBBER	6.0	1.00

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3	NOISE POLLTION CONTROL	ACOUSTIC ENCLOSURE	4.0	0.25
4	SOLID WASTE MANGEMENT	SEGREGATION STORAGE	1.5	0.2
5	Energy Conservation Measures	-	2.5	0.3
6	GREEN BELT	PLANTATION	0.50	0.15

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
ANNEXURE	ANNEXURE	ANNEXURE	ANNEXURE	ANNEXURE	ANNEXURE	ANNEXURE	ANNEXURE

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
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):	6.0
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA

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	Category as per schedule of EIA Notification sheet	5f
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	17-02-2017

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF& CC published in April, 2015.

As the industry is located in the notified industrial area/estate (MIDC), Public Hearing is exempted under the provisions as per Para 7 III Stage (3) (b) of the EIA Notification, 2006.

Draft Terms of Reference (TOR) have been discussed and finalized during 138th meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

DECISION OF SEAC

PP remained absent.

Specific Conditions by SEAC:

1) PP to submit self-certificate for not making any product mix, no increase in pollution load, no increase in production quantity etc from the issuance of EIA Notification, 1994,2004 and 2006 and their consented quantities; PP also to mention categorically that none of the requirement of EIA Notification has been violated by them.
2) PP to submit their plan to achieve 33% of green belt as per National Forest Policy.
3) PP to submit copies of On Site and Off Site Emergency Preparedness Plan duly accepted by competent authority.
4) 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.
5) It was observed that the Methanol recovery is less and there is scope to increase the same to reduce the emissions to the Environment; PP to address the same in EIA report.

FINAL RECOMMENDATION

SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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Agenda of SEAC-1 Meeting

SEAC Meeting number: 142 nd Meeting of SEAC-1 (DAY-2) **Meeting Date** September 14, 2017

Subject: Environment Clearance for PUSHPAM CHEMICALS PVT LTD

General Information: Venue: Maharashtra Economic Development Council, Board Room, 3rd Floor, Y. B. Chavan Centre, Gen. Jagannathrao Bhosale Marg, Near Mantralaya, Mumbai- 400 020.

1.Name of Project	PUSHPAM CHEMICALS PVT LTD
2.Type of institution	Private
3.Name of Project Proponent	MR. VINOD GOPAL AHUJA
4.Name of Consultant	SGM Consulatnt Pvt Ltd
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Change in Product Mix with Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	C-348, Pawane Industrial Area, Navi Mumbai
9.Taluka	Thane
10.Village	Pawane
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not applicable
	Approved Built-up Area: 880
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	2100.00
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): Not applicable
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	23800000

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)	

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27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	MIin12
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing structure (s) if any	Not applicable
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	Alcohols (Amyl Vinyl Carbinol, Dimetol etc)	00	1.5	1.5
2	Girgnard compounds (Phenyl Magnesium Chloride)	00	20	20
3	Nitrogen function compounds (Quinaldine & others)	00	25	25
4	Ketones (veticone)	00	10	10
5	Hydrocarbons (Diphenyl Methane)	00	25	25

32.Total Water Requirement

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

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	02	01	03	0.4	0.2	0.6	1.6	0.8	2.4
Industrial Process	06	05	11	2.5	2.5	5.0	3.5	2.5	6.0
Cooling tower & thermopack	7.0	2.0	9.0	6.0	1.75	7.75	1.0	0.25	1.25
Gardening	2.0	00	2.0	2.0	00	2.0	00	00	00

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	6-10 M
	Size and no of RWH tank(s) and Quantity:	10 cum
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	1,00,000
	Budgetary allocation (O & M cost) :	5000
	Details of UGT tanks if any :	50 CUM

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35.Storm water drainage	**Natural water drainage pattern:**	MIDC DRAIN
	Quantity of storm water:	.32 cum/sec
	Size of SWD:	300 x 400 mm
Sewage and Waste water	**Sewage generation in KLD:**	2.4
	STP technology:	Septic Tank
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	1,50,000
	Budgetary allocation (O & M cost):	10000

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:**	5.0
	Wet waste:	5.0
	Hazardous waste:	Distillation residues & others
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
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):**	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

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Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	PH	NA	5.5-6.5	5.5-9.0	5.5-9.0
2	BOD	mg/lit	3050-3250	<100	<100
3	COD	mg/lit	5220-7210	<250	<250
4	SS	mg/lit	320-480	<100	<100

Amount of effluent generation (CMD):	6.5
Capacity of the ETP:	10
Amount of treated effluent recycled :	Nil
Amount of water send to the CETP:	6.5
Membership of CETP (if require):	Yes
Note on ETP technology to be used	Phsichchemical treatment
Disposal of the ETP sludge	CHWTSDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Liners,Barrels / containers	33.3	No.	00	20	20	MPCB aouthrized Vedors
2	Chemical Sludge	35.3	TPM	00	0.05	0.05	0.05
3	Distillation residues	20.3	TPM	00	0.05	0.05	0.05

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 stand by	FO	1	21	0.35	120

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	FO	00	700 Lit	700 lit

41.Source of Fuel	Local Vendors
42.Mode of Transportation of fuel to site	by road

43.Green Belt Development	**Total RG area :**	224.00
	No of trees to be cut :	NA
	Number of trees to be planted :	22
	List of proposed native trees :	NA
	Timeline for completion of plantation :	Planted

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

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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

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	375 KVA
	During Operation phase (Demand load):	225 KVA
	Transformer:	300 KVA
	DG set as Power back-up during operation phase:	125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Light fixtures will be used with energy saving LED & T5 fluorescent tube with electronic chocks.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Yes	5 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Wastewater	ETP	NA
Emissions	Scrubber	NA

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2.5
	O & M cost:	0.25

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	Wastewater	ETP	18.0	2.0
2	Air Pollution Control	Scrubber, Stack	5.0	1.0
3	Noise Pollution Control	Acostic Enclosures	3.0	0.25
4	Solid Waste Management	Segregation/storage	1.5	0.25
5	Energy Conservation Measures	-	2.5	0.5
6	Green Belt	Plantation	0.50	0.15

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
Annexure	Annexure	Annexure	Annexure	Annexure	Annexure	Annexure	Annexure

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
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):	6.0

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	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5 (f)
	Court cases pending if any	NA
	Other Relevant Informations	This application is already submitted at MoEF website on dated 17/2/2017 Our File No. is SIA/MH/IND2/18594/2017.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	17-02-2017

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draftTOR based on standard TOR isused by MoEF & CC published in April, 2015.

As the industry is located in the notified industrial area/estate (MIDC), Public Hearing is exempted under the provisiosn as per para 7 III Stage (3) (b) of the EIA Notification, 2006.

During deliberation PP informed that they have not made any changes in the production quantity, product mix, pollution load or in any environemntal paramters since 1996.

Draft Terms of Reference (TOR) have been discussed and finalized during 138th meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

1. PP to submit self declaration giving year wise details of manufacturing of products, their quantities,pollution load etc. PP also to mention that none of the requirements of the EIA Notification, 2006 has been violated till date in their self certificate.

2. PP to submit their plan for achieving 33% green belt as per National Forest Policy.

3. PP to submit copies of On Site and Off Site Emergency Preparedness Plan duly accepted by competent authority.

4. PP to use chemical names of the products instead of the commercial name/brand etc.

Now PP submitted EIA report for appraisal.

DECISION OF SEAC

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The proposal is deferred till PP submits complaince of following points.

Specific Conditions by SEAC:

1) PP to submit structural stability certificate of existing buildings.
2) PP to submit layout plan showing details of green belt with dimensions; permission obtained from MIDC office to develop green belt around the factory premises.
3) PP to submit design details of HCL gas scrubber.
4) PP to submit undertaking for disposal of chemical sludge and distillation residue.
5) PP to submit details of ETP design and note on how proposed effluent load will be treated in existing ETP.
6) PP to submit revised EMP including ETP capital cost,,O&M cost and social impacts and mitigation measures.

FINAL RECOMMENDATION

SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

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