

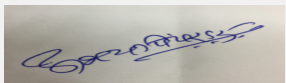
SEAC-1 MEETING**SEAC Meeting number:** 140th Meeting (DAY-2) **Meeting Date** July 21, 2017**Subject:** Environment Clearance for Agate Open Cast Mine (Minor Mineral) Lessee Shri. Sunil Ramsingh Bilawar

1.Name of Project	Nandi Agate Mine (Lease area: 14.04 Ha) located at Nandi Village, Ambad Tehsil, Jalna District, Maharashtra
2.Type of institution	Private
3.Name of Project Proponent	Shri. Sunil Ramsingh Bilawar
4.Name of Consultant	Anacon Laboratories Pvt. Ltd.
5.Type of project	Mining
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No- 74, 75, 76 and 77
9.Taluka	Ambad
10.Village	Nandi
11.Area of the project	Grampanchayat
12.IOD/IOA/Concession/Plan Approval Number	Not applicable IOD/IOA/Concession/Plan Approval Number: Not applicable Approved Built-up Area: 14.04
13.Note on the initiated work (If applicable)	No
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Mine plan approved by IBM
15.Total Plot Area (sq. m.)	Mine lease 14.04 Ha
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	6620000

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))	0
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	Main Products (Stone)	0	1000	1000
2	Saleable minerals 10% of ROM	0	100	100


32.Total Water Requirement

Dry season:	Source of water	Bore well, Dugwell within ML area and mine water from 4th year onward
	Fresh water (CMD):	5
	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	Bore well, Dugwell within ML area and mine water from 4th year onward
	Fresh water (CMD):	5
	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)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	0.3	0.3	0	0.3	0.3	0	0	0
Gardening	0	4.70	4.70	0	4.70	4.70	0	0	0

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	15 m
	Size and no of RWH tank(s) and Quantity:	The lower benches of the void pit will be used for rain water harvesting and upper benches for plantation after completion of mining activity having area 14.04 Ha
	Location of the RWH tank(s):	Void Pit left after backfilling
	Quantity of recharge pits:	Single void pit having area 0.26 Ha
	Size of recharge pits :	0.26 Ha
	Budgetary allocation (Capital cost) :	Not Applicable since covered in mining cost.
	Budgetary allocation (O & M cost) :	Not Applicable since covered in mining cost.
	Details of UGT tanks if any :	Not Applicable

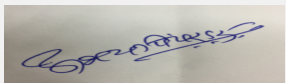

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35.Storm water drainage	Natural water drainage pattern:	The storm water will be arrested in the garland drains around the quarry and after proper settling will be used for plantation and dust suppression. If excess water remains it will made available to nearby water channel/villages for agriculture.
	Quantity of storm water:	NA
	Size of SWD:	NA
Sewage and Waste water	Sewage generation in KLD:	0.24
	STP technology:	Septic Tank & Soak Pit
	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:	Only over burden (OB) is generated as solid waste out of the mining operation. This OB is stacked at the earmarked places within the lease area and used for backfilling of the mine pit before undertaking plantation on backfilled area.
	Disposal of the construction waste debris:	Not applicable
Waste generation in the operation Phase:	Dry waste:	Not applicable
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	The Mining waste (OB) is used for backfilling of the pit area as per the approved mining plan/scheme. Top soil will be used for plantation over backfilled area by OB material. Top soil will be stacked at specified locations before spreading on the backfilled pit area by OB. Back filling will be done in layers with due compaction.
Mode of Disposal of waste:	Dry waste:	Not applicable
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	The Mining waste (OB) is used for backfilling of the pit area as per the approved mining plan/scheme. Top soil will be used for plantation over backfilled area by OB material. Top soil will be stacked at specified locations before spreading on the backfilled pit area by OB. Back filling will be done in layers with due compaction.


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Area requirement:	Location(s):	Not applicable
	Area for the storage of waste & other material:	Not applicable
	Area for machinery:	Not applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not applicable
	O & M cost:	Not applicable

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	No effluent generation	0	0	0	0
Amount of effluent generation (CMD):		0			
Capacity of the ETP:		Not Applicable, as it is a new mine.			
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	Not applicable	Not Applicable	Not Applicable	0	0	0	Not Applicable

39. Stacks emission Details

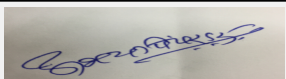
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not Applicable since it is Manual Open Cast Method.	0	0	0	0	0

40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel requirement of ~ 10 liter/hr for transportation through tippers, DTH Excavation by JCB & compressor.	0	10 Ltr/hr	10 hr/hr


41. Source of Fuel Locally purchased

42. Mode of Transportation of fuel to site Road


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43.Green Belt Development	Total RG area :	3.31 Ha at conceptual Stage
	No of trees to be cut :	0
	Number of trees to be planted :	3970
	List of proposed native trees :	Native plant species like Khair, Hiwar, Hinganbeth and Neem will be proposed for plantation.
	Timeline for completion of plantation :	5

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	Acacia catechu	Khair	19	Economic value Plants
2	Acacia leucocephala	Hiwar	12	Economic value Plants
3	Acacia nilotica	Teli Babul	5	Economic value Plants
4	Azadirachta indica	Kadu Neem	20	Medicinal value Plants
5	Ailanthus excelsa	Maharukh	01	Best dust filtering capacity Plants
6	Balanitisaegyptiaca	Hinganbeth, Hingne Fetri	03	Pollution Tolerant Plants
7	Buteamonosperma	Palas	02	Pollution Tolerant Plants
8	Moringaoleifera	God Sheva	01	Fruit bearing Plants
9	Ziziphusmauritiana	Bor	05	Fruit bearing Plants

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	NA	NA

47.Energy


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Power requirement:	Source of power supply :	Only MSEB power and DG set.
	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):	NA
	Transformer:	NA
	DG set as Power back-up during operation phase:	NA
	Fuel used:	NA
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Not applicable

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Not applicable	0

50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	No	1 no. mobile water sprinkler & Tree plantation, Maintenance of road
Water	No	Settling tank, Garland drains, Septic tank & Soak pit.
Noise	No	Tree plantation, Maintenance of vehicles, Use of ear muffs and plugs.
Solid waste	No	Top soil and OB will be stacked at specified locations within the lease areas for subsequent utilization in back filling of pit area and in plantation.


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

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):


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

b) Operation Phase (with Break-up):


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Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	Water sprinkling	12	2
2	Water Pollution Control	Settling tank, Garland Drains, etc. Diesel Pumps	1.5	0.6
3	Environmental Monitoring	NA	0	2.10
4	Green belt Development/ plantation	within ML area @ 1000 plant / yr @ Rs. 50/plant	0.5	0.5
5	Rain Water Harvesting structures in nearby village	NA	0.50	0.20
6	Occupational Health & Safety Measures	NA	1.25	0.40
7	Socio-economic welfare activities in nearby villages	NA	0	2.00
8	Wildlife Conservation Plan	NA	0	0.26

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


Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	NA	NA	0	0	0	NA	NA

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:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable (none within 5 Km radius)
	Category as per schedule of EIA Notification sheet	1 (a)
	Court cases pending if any	No
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

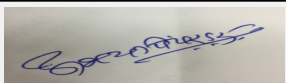
During deliberations PP submitted letter mentioning the proposal was already recommended by earlier SEAC-1 in their 137th meeting held on 14th to 18th October, 2016. PP also submitted the copies of minutes of the meeting and requested committee to transfer the application to SEIAA portal.

DECISION OF SEAC

In view of the 137th minutes of the meeting of earlier SEAC - 1 and request received from PP, committee decided to transfer the proposal on SEIAA portal.

Specific Conditions by SEAC:


FINAL RECOMMENDATION



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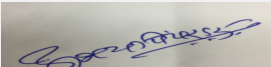
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Kindly find SEAC decision above.


SEAC-AGENDA-00000000024



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SEAC-1 MEETING

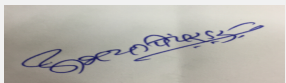
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Subject: Environment Clearance for Proposed Synthetic Organic Chemical (Poly Carboxylate) Manufacturing Unit of M/s Aezis Global Pvt. Ltd. at Plot No: K-4/3, Addl. MIDC Mahad, Kalij Village, Tal: Mahad, Dist: Raigad and State Maharashtra.

1.Name of Project	M/s Aezis Global Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Kookin Han
4.Name of Consultant	M/s Sadekar Enviro Engineers Pvt. Ltd.
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	NA
8.Location of the project	Plot No : K-4/3, Addl MIDC Mahad
9.Taluka	Mahad
10.Village	Kalij
11.Area of the project	Addl. Mahad MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 5128.461
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.)	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	470000000

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))	6 meters
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, since it is a green field project.
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	Poly Carboxylate (A-Type Product)	0	1666.67	1666.67
2	Poly Carboxylate (B-Type Product)	0	583.34	583.34
3	Poly Carboxylate (C-Type Product)	0	166.67	166.67
4	Defoamer (D-Type Product)	0	3.34	3.34


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)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	2.25	2.25	0	0	0	0	2.25	2.25
Industrial Process	0	39.52	39.52	0	38.93	38.93	0	0.59	0.59
Cooling tower & thermopack	0	40.77	40.77	0	36.46	36.46	0	4.31	4.31
Gardening	0	19	19	0	19	19	0	0	0
Fresh water requirement	0	101.54	101.54	-	-	-	-	-	-



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34. Rain Water Harvesting (RWH)	Level of the Ground water table:	approx 20 m below ground
	Size and no of RWH tank(s) and Quantity:	RWH tank of 350M3 Capacity will be installed
	Location of the RWH tank(s):	South site of the main gate. The harvested water will be used for ground water recharging.
	Quantity of recharge pits:	350
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	6 Lakh
	Budgetary allocation (O & M cost) :	1 Lakh
	Details of UGT tanks if any :	UG tank for MIDC water storage will be provided
35. Storm water drainage	Natural water drainage pattern:	Storm water drainage line will be provided along with the plot boundary.
	Quantity of storm water:	4.32 M3/Hr
	Size of SWD:	Storm Water Storage pit : 2 Nos X 50M3
Sewage and Waste water	Sewage generation in KLD:	2.25
	STP technology:	Domestic effluent will be treated in Septic tank, the overflow from septic tank will be treated in aeration tank of ETP.
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
36. Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction waste such as left off concrete, stone, aggregates, wooden piles, excavation material etc.
	Disposal of the construction waste debris:	The solid waste generated during construction phase will be disposed off through local body.
Waste generation in the operation Phase:	Dry waste:	Dry waste like PE drums, paper, plastic, steel will be generated
	Wet waste:	Domestic wet waste will be generated from canteen facility
	Hazardous waste:	The overall operation of company involves generation of hazardous waste like MEE residue, ETP Sludge, PE Bags & Steel drums.
	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:	Through MPCB authorized recycler
	Wet waste:	Through local municipal body.
	Hazardous waste:	Hazardous waste will be disposed through CHWTSDF, Taloja
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	As per plot layout
	Area for the storage of waste & other material:	Dedicated and demarcated area will be provided for storage of HW
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2.5 Lakh
	O & M cost:	18.6 Lakh

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	5.8	6.5-7.5 (It will be ZLD project)	6.5-7.5
2	COD	mg/l	5000	<250 (It will be ZLD project)	<250
3	BOD	mg/l	1800	<100 (It will be ZLD project)	<100
4	TDS	mg/l	4500	<2100 (It will be ZLD project)	<2100
5	O&G	mg/l	3.0	<10 (It will be ZLD project)	<10
Amount of effluent generation (CMD):		7.15 CMD including Domestic, Reactor/container/floor washing & Blowdown effluent from Boiler and cooling tower.			
Capacity of the ETP:		It will be ZLD project. ETP of 8.5 CMD Capacity, comprises of Primary, Secondary and Tertiary Treatment facility will be provided. The domestic effluent load will be connected to the aeration tank of ETP. For further purification of treated effluent from tertiary treatment facility, two stage RO systems will be provided. • To treat reject from RO system, MEE of 1.5 CMD capacity will be installed.			
Amount of treated effluent recycled :		It will be ZLD project. The total amount of treated effluent recycled will be 6.51 CMD (5.23 CMD RO Permeate & 1.28 CMD MEE condensate)			
Amount of water send to the CETP:		Not Applicable. Since it will be ZLD project.			
Membership of CETP (if require):		Not Applicable. Since it will be ZLD project.			
Note on ETP technology to be used		The project will be operated on the basis of Zero Liquid Discharge system. • The effluent from Reactor/Container/ Floor washings will be treated along with Boiler and cooling tower blowdown in ETP comprises of Primary, Secondary and Tertiary treatment facility. • The domestic effluent load will be connected to the aeration tank, where it will be treated along with LCOD effluent from primary treatment facility. • The treated effluent from ETP will be passed through two stage RO system for its f			
Disposal of the ETP sludge		Sludge generated from ETP will be disposed through CHWTSDF, Taloja. The total quantum of ETP sludge will be around 3.0 TPA			


38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
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1	PE Bags	33.1	TPA	0	46	46	CHWTSDF
2	PE & Steel Drums	33.1	TPA	0	392	392	MPCB authorized recycler
3	Paper, Plastic, Steel (Non Hazardous)	-	TPA	0	7	7	MPCB authorized recycler
4	Domestic Waste (Non Hazardous)	-	TPA	0	7	7	To Local municipal body
5	ETP Sludge	35.3	TPA	0	3	3	CHWTSDF
6	MEE Residue	37.3	TPA	0	6	6	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	Common Stack for 2 Nos X 3MT/Hr Steam Boiler (One boiler will be on standby mode)	LDO: 1.72 KLD	01	31	0.5	230
2	D.G. set (1250 KVA)	HSD : 261 L/Hr	02	7 m above roof	0.2	80
3	Activated Carbon Filter	--	03	16	0.1	34

40.Details of Fuel to be used


Serial Number	Type of Fuel	Existing	Proposed	Total
1	LDO	0	1.72 KLD	1.72 KLD
2	HSD	0	261 L/Hr	261 L/Hr

41.Source of Fuel	Local Vendor
42.Mode of Transportation of fuel to site	By road

43.Green Belt Development	Total RG area :	6381.9 Sq.m.
	No of trees to be cut :	It is a green field project. presently land is devoid of any vegetation.
	Number of trees to be planted :	1595
	List of proposed native trees :	Azadirachta indica, Neolamarckia cadamba, Ixora coccinea, Oroxylum indicum, Schleicheria oleosa, Terminalia paniculata, Helicteres isora, Bougainvillea spectabiis, Clerodendrum inerme, Calotropis gigentia, Plumeria rubra, Canna indica, Moullava spicata, Terminalia arjuna, Bombax ceiba
	Timeline for completion of plantation :	1 year after approval of Environmental Clearance


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	200	A native evergreen tree known for plantation in polluted area.
2	Neolamarckia cadamba	Kadamba	50	A native evergreen tree with thick canopy.


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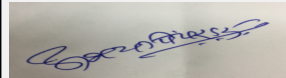
3	<i>Ixora coccinea</i>	Rukmini/Bakavali	50	A native shrub blooming throughout the year usually visited by nectar feeding birds & butterflies.
4	<i>Oroxylum indicum</i>	Tetu	50	A native ornamental tree.
5	<i>Schleichera oleosa</i>	Kusum	50	A native tree found in abundance in Sahyadris.
6	<i>Terminalia paniculata</i>	Kindal	45	Kindal is a tropical tree with a large natural distribution in Western Ghats
7	<i>Helicteres isora</i>	Murudsheng	200	A native shrub extensively found in the tracts & plains of sahyadri used as roost plant by variety of birds.
8	<i>Bougainvillea spectabiis</i>	Booganvel	50	An ornamental tree blooming throughout the year
9	<i>Clerodendrum inerme</i>	Vanjai	150	A native evergreen shrub with fragrant flowers
10	<i>Calotropis gigentia</i>	Rui	150	A native evergreen shrub with thick leaves which helps in dust settling
11	<i>Plumeria rubra</i>	Chafa	100	An evergreen brilliantly flowering shrub
12	<i>Canna indica</i>	Kardal	100	A perennial shrub used in phyto remediation
13	<i>Moullava spicata</i>	Waghati	100	A native evergreen shrub usually visited by birds and abundantly found in Sahyadris
14	<i>Terminalia arjuna</i>	Arjun	200	A native evergreen tree with large canopy
15	<i>Bombax ceiba</i>	Sawar	100	A native tree with large showy flowers visited by birds.

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 :	MSEDCL
	During Construction Phase: (Demand Load)	500 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	1000 KW
	During Operation phase (Demand load):	1000 KW
	Transformer:	1000 KW
	DG set as Power back-up during operation phase:	1250 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

NA

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50. Details of pollution control Systems


Source	Existing pollution control system	Proposed to be installed
Process Emission	NA (Its Green Field Project)	Activated carbon filtration system will be provided to cater VOC emissions from process.
Boiler Emission	NA (Its Green Field Project)	Common Stack of 31 meter height will be installed
D.G. set	NA (Its Green Field Project)	Stack of 7 meter height above roof will installed.
ETP	NA (Its Green Field Project)	8.5 CMD ETP with 1.5 CMD stripper MEE with ATFD and Two stage RO filtration system

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

51. Environmental Management plan Budgetary Allocation


a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water sprinkling, wind Barrier to control dust emissions	2.0
2	Water Environment	Mobile toilets will be arranged for workers	1.0


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3	Noise Environment	PPEs for workers, enclosures to all noise generating equipment's	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 Environment	Construction of new stack, Activated Carbon filtration system	45	3
2	Water Environment	Construction of ETP, Installation of MEE and RO Unit	70	5
3	Noise Environment	PPEs for workers, enclosures to all noise generating equipment's	1	8
4	Solid waste management	Disposal of HW and pavement of HW storage area with HDPE lining	18.6	2.5
5	Environment Monitoring	Environmental Monitoring during operational phase	-	3.50
6	Occupational Health	Glares, Breathing Masks, Gloves, Boots, Helmets, Ear Plugs etc. & annual health-medical checkup of workers, Occupational Health (training, OHC center)	10	3
7	Green Belt	Development and maintenance of green belt	8.50	2.13
8	Rain water harvesting	Construction and maintenance of RWH system	6	1


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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Polyethylene glycol methyl ether	Liquid	Tank	80 KL	80 KL	575 KL	Import	By Ship & Road
Methacrylic acid	Liquid	Tank	50 KL	50 KL	82.5 KL	Import	By Ship & Road
Acrylic acid	Liquid	Tank	50 KL	50 KL	2.5 KL	Import	By Ship & Road
Caustic soda	Liquid	Tank	20 KL	20 KL	62.5 KL	Local	By Road
Methyl acrylate	Liquid	Tank	2 KL	2 KL	40 KL	Import	By Ship & Road


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P-Toluene sulfonic acid	Solid	PE Bag	18 MT	18 MT	15 MT	Import	By Ship & Road
2-Mercaptoethanol	Liquid	Tank	20 KL	20 KL	7.5 KL	Import	By Ship & Road
Toluene	Liquid	Tank	30 KL	30 KL	2.5 KL	Local	By Road
Ammonium persulphate	Solid	PE Bag	4 MT	4 MT	2.5 MT	Import	By Ship & Road
Hydrogen peroxide	Liquid	PE Drum	2.3 MT	2.3 MT	1.75 MT	Import	By Ship & Road
L-ascorbic acid	Solid	PE Bag	0.5 MT	0.5 MT	0.5 MT	Import	By Ship & Road
Phenothiazine	Solid	PE Bag	0.3 MT	0.3 MT	0.25 MT	Import	By Ship & Road
3-Mercaptopropionic acid	Liquid	Tank	2 KL	2 KL	1 KL	Import	By Ship & Road
4-Methoxyphenol	Solid	PE Bag	0.015 MT	0.015 MT	0.25 MT	Import	By Ship & Road
Polyoxyethylene alkyl allyl ether	Liquid	Tank	20 KL	20 KL	225 KL	Import	By Ship & Road
Polyethylene glycol methyl ether	Liquid	PE Drum	70 MT	70 MT	57.5 MT	Import	By Ship & Road
Phosphorous acid	Liquid	PE Drum	0.6 MT	0.6 MT	0.5 MT	Import	By Ship & Road
polyoxyakylene glycol	Liquid	PE Drum	1.6 MT	1.6 MT	1.25 MT	Import	By Ship & Road
Palm stearine based hydrogenated fatty acid	Liquid	PE Drum	0.4 MT	0.4 MT	0.25 MT	Import	By Ship & Road
Sulfuric acid, diethyl ester	Liquid	Bottle	0.05 MT	0.05 MT	0.25 MT	Import	By Ship & Road
Methyloxirane polymer with oxirane	Liquid	PE Drum	0.2 MT	0.2 MT	0.25 MT	Import	By Ship & Road
Polyoxypropylene glycol butyl ether	Liquid	PE Drum	1 MT	1 MT	0.75 MT	Import	By Ship & Road
Propylene glycol	Liquid	PE Drum	0.2 MT	0.2 MT	0.25 MT	Import	By Ship & Road
Isopropyl Alcohol	Liquid	PE Drum	0.8 MT	0.8 MT	0.5 MT	Import	By Ship & Road


52.Any Other Information

No Information Available

53.Traffic Management

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

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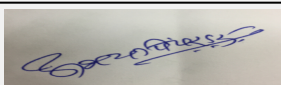

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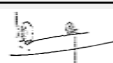
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Parking details:	Number and area of basement:	--
	Number and area of podia:	--
	Total Parking area:	2313.24
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	--
	Public Transport:	--
	Width of all Internal roads (m):	9
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	5 (f) - 'B1'
	Court cases pending if any	No
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
Brief information of the project by SEAC		
<p>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.</p> <p>As the industry is located in the notified industrial area/estate (MIDC), Public Hearing is exempted under the provision as per para 7 III Stage (3) (b) of the EIA Notification, 2006.</p>		
DECISION OF SEAC		


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SEAC-1 MEETING

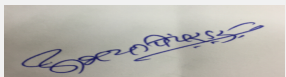
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Subject: Environment Clearance for Aarti Industries Limited . Plot No. 55, 56, 57, 59 & 60 M.I.D.C. phase II Dombivali, Dist.- Thane

1.Name of Project	Proposed expansion project of manufacturing of API intermediates and Specialty Chemicals
2.Type of institution	Private
3.Name of Project Proponent	Mr. Narendra Salvi
4.Name of Consultant	Goldfinch Engineering Systems Private Limited, Thane
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Plot No. D- 55, 56, 57, 59 & 60
9.Taluka	Kalyan
10.Village	Sagarli
11.Area of the project	Municipal corporation
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 1914
13.Note on the initiated work (If applicable)	Nil
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	3760 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.):
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	322800000

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	Bambuterol Hydrochloride	00	0.42	0.42
2	R-Salbutamol Sulphate	00	0.83	0.83
3	Deferiprone	00	0.42	0.42
4	Ranolazine	0.2	(-)0.2	00
5	Phenylpherine Hydrochloride	0.4	0.85	1.25
6	Budesonode (TTR)	0.03	(-)0.03	00
7	PAN-IV (1R,16?,17?,21-Tetrahydroxy pregna-1,4-dine-3,20-dione.)	0.03	(-)0.03	00
8	FLY -X (N-[(S)-1-Carboxy-1-butyl]- (S)-alanine)	0.03	0.29	0.32
9	BA - III (N-[4-cyano-3-(trifluoromethyl)phenyl]-2-methyl[(4-fluorophenyl)-thio]-2-hydroxy-2-methylpropanamide)	0.03	(-)0.03	00
10	TV-INT (Ethyl, R-(+)-(4-nitrobenzenesulfonyloxy)-4-phenyl butyrate)	0.03	0.47	0.5
11	Peridopril Erbumine	00	0.17	0.17
12	TTR IV ((1R,16?,17?,21-Tetrahydroxy pregna-1,4-dine-3,20-dione.)	00	0.1	0.1
13	FLY VIII (Benzyl(2S,3aS,7aS)-Octahydro-1H- Indole-2-carboxylate 4-Methylbenzenesulfonate)	00	0.43	0.43
14	PR-38 - 4-[2-(1-Azepanyl)Ethoxy] Benzyl Chloride Hydrochloride	--	--	--
15	PR-86 - t-butyl-hydroxycyclohexyl methacrylate	--	--	--
16	PR-88 - (2,3,4,6-TETRA-O-BENZYL-D-GALACTOSE)	--	--	--
17	PR-89 - ((S)-1-BOC-3-HYDROXY PIPERIDINE)	--	--	--
18	PR-91 - (S)-2-AMINO-5-METHOXYTETRALINE HYDROCHLORIDE	--	--	--
19	PR-92 - (S)-1,2,3,4-Tetrahydro-5-methoxy -N-propyl-2-naphthalenamine hydrochloride	--	--	--
20	PR-115 (N-Decyl-N,N-Dimethyl-3- Ammonio-1 -propane- Sulphonate)	--	--	--
21	PR-116 (S)-(TETRAHYDROFURAN-3-YL) HYDRAZINE HYDROCHLORIDE	--	--	--
22	PR-156 - (2-Bromo-4-nitro imidazole)	--	--	--
23	PR-178 - (S,S)-2,8-Diazabicyclo[4.3.0]nonane	--	--	--
24	PR-179-(3-HYDROXY-N-METHYL-3-PHENYL-PROPYLAMINE	--	--	--
25	PR-181 - CHLOROMETHYL CHLORO SULFATE	--	--	--
26	Note - Combine production capacity of PR-38,PR-86,PR-88,PR-89,PR-91, PR-92, PR-115,PR-116,PR-156,PR-178,PR-179,PR-181, will be 2.25 TPM	00	2.25	2.25
27	Total	0.748	5.922	6.67

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)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	5.5	13	18.5	1.1	2.9	4	4.4	10.1	14.5
Industrial Process	21	14	35	8.6	5.8	14.4	12.4	8.2	20.6
Cooling tower & thermopack	4	1.5	5.5	3.2	1.2	4.4	0.8	0.3	1.11
Gardening	2	4	6	2	4	6	0	0	0


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Fresh water requirement	32.5	37.5	65	14.9	13.9	28.8	17.8	18.6	36.2
-------------------------	------	------	----	------	------	------	------	------	------

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	will submit in EIA report
	Size and no of RWH tank(s) and Quantity:	will submit in EIA report
	Location of the RWH tank(s):	will submit in EIA report
	Quantity of recharge pits:	will submit in EIA report
	Size of recharge pits :	will submit in EIA report
	Budgetary allocation (Capital cost) :	will submit in EIA report
	Budgetary allocation (O & M cost) :	will submit in EIA report
Details of UGT tanks if any :	1. Methanol (25 KL) 2. IPA (25 KL) 3. Toluene (25 KL) 4. Acetone (25 KL) 5. Ethyl Acetate (25 Kl)	

35.Storm water drainage	Natural water drainage pattern:	Provided by MIDC
	Quantity of storm water:	NA
	Size of SWD:	NA

Sewage and Waste water	Sewage generation in KLD:	20
	STP technology:	Conventional technology will be used
	Capacity of STP (CMD):	1 No. 25 CMD
	Location & area of the STP:	Near ETP
	Budgetary allocation (Capital cost):	Rs 2500000
	Budgetary allocation (O & M cost):	100000

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Nil
	Disposal of the construction waste debris:	Nil
Waste generation in the operation Phase:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	kindly refer point no. 45
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	250 kg
Others if any:	NA	


Mode of Disposal of waste:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	CHWTSDF, MWML, Taloja
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be use as manure for gardening
	Others if any:	NA
Area requirement:	Location(s):	Production Area, Raw Material & Products Storage Area, Office Building, STP & ETP , Parking
	Area for the storage of waste & other material:	Dedicated area is allocated near ETP
	Area for machinery:	1914 m2
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs 342300000
	O & M cost:	Rs 3400000

37. Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	7-8	ZLD	5.5-9.0
2	BOD	mg/lit	2500-3500	ZLD	<100
3	COD	mg/lit	5000-6000	ZLD	<250
4	TDS	mg/lit	2000-300	ZLD	<2100
5	Oil & Grease	mg/lit	<20	ZLD	<10
Amount of effluent generation (CMD):		21.7 CMD			
Capacity of the ETP:		35 CMD			
Amount of treated effluent recycled :		35 CMD			
Amount of water send to the CETP:		ZLD			
Membership of CETP (if require):		Yes			
Note on ETP technology to be used		Primary, Secondary, Tertiary , MEE & ZLD			
Disposal of the ETP sludge		CHWTSDF			

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Spent Carbon	28.2	MTPA	6.18	00	6.18	CHWTSDF
2	Spent Mother Liquor	28.4	MTPA	12	6	18	Sale to authorized party
3	ETP Sludge	34.3	MTPA	8.6	8.1	16.7	CHWTSDF
4	MEE Salts	37.3	MTPA	90	179	269	CHWTSDF
5	Distillation Residue	20.3	MTPA	0	1.2	1.2	CHWTSDF
6	Process Waste & Residue	28.1	MTPA	0	3	3	CHWTSDF
7	Contaminated Filter Bags	36.1	MTPA	0	1.2	1.2	CHWTSDF


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8	Used/spent oil	5.1	MTPA	0	5.4	5.4	Sale to authorized party
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39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (one stand by & one operating)	FO = 2.04 T/Day	01 combined stack	30	0.4	125 deg. C
2	Thermo pack (one stand by & one operating)	LDO = 510 lit/day	01 combined stack	22	0.25	150 deg. C
3	DG Sets (no 02)	HSD = 600 lit/month	042separate stack	4.2-5	0.15	135 deg. C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	L.D.O	150 lit/day	360 lit/day	510 lit/day
2	FO	00	2040 kg/day	2040 Kg/day
3	HSD	420 lit/month	180 lit/month	600 lit/month
41.Source of Fuel		Oil companies		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development

Total RG area :	612 sq. m.
No of trees to be cut :	No tree will be cut
Number of trees to be planted :	150
List of proposed native trees :	Tectona grandis, terminalia arjuna, Ficus bengalensis, Ficus religiosa, Azardirachta indica, Sizigium cumini, Cassia fistula, Bougainvillea spectabilis, Lantana camara, etc.
Timeline for completion of plantation :	Within Five year

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	Terminalia arjuna	Arjun	25	pollution resistant and Native
2	Tectona grandis	Teak, saag	25	pollution resistant and Native
3	ficus bengalensis	Vaad	7	pollution resistant and Native
4	Ficus religiosa	Pimpal	8	pollution resistant and Native
5	Azardirachta indica	Neem	15	pollution resistant and Native
6	Syzigium cumini	Jamun	15	pollution resistant and Native
7	cassia fistula	Bahava	15	pollution resistant and Native
8	Bougainvillea spectabilis	Bouganvel	15	pollution resistant and Native
9	Lantana camara	Ghaneri	25	pollution resistant and Native

45.Total quantity of plants on ground



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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)	NA
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	Existing : 500 KW ;Proposed : 1060 KW
	During Operation phase (Demand load):	Existing : 350 KW; Proposed : 750 KW
	Transformer:	Existing : 515 KVA ;Proposed : 1130 KVA
	DG set as Power back-up during operation phase:	Existing 02 DG with capacity 250 KVA (2 No.) ; 200 KVA (1 no); 250 KVA Replaced by 380 KVA
	Fuel used:	HSD
Details of high tension line passing through the plot if any:	No high tension line passing through through the plot	

48.Energy saving by non-conventional method:

Nil

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	Stack of adequate height	Stack of adequate height
Water	ETP ,RO and MEE	ETP ,RO and MEE
Noise	Acoustic enclosure	Acoustic enclosure
Solid Waste	Disposal to MWML	Disposal to MWML


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

Capital cost:	35 lac
O & M cost:	7 lac

51.Environmental Management plan Budgetary Allocation


a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
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1	NA	NA	NA	
b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	2 no. stacks	10	0.5
2	Water Pollution	ETP	340	16
3	Domestic Effluent	STP	20	1
4	Noise	Acoustic enclosures	5	nil
5	Process emissions	3 no. Scrubbers	16.5	3.3

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


Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Methanol	Liquid	Under Ground	25 KL	25 KL	20	Local	Road
IPA	Liquid	Under Ground	25 KL	25 KL	10	Local	Road
Toluene	Liquid	Under Ground	25 KL	25 KL	5	Local	Road
Acetone	Liquid	Under Ground	25 KL	25 KL	20	Local	Road
Ethyl Acetate	Liquid	Under Ground	25 KL	25 KL	5	Local	Road
Ammonia	Liquid	Tank farm	5 KL	5 KL	1	Local	Road
MDC	Liquid	Tank Farm	5 KL	5 KL	2	Local	Road
Acetic Anhydride	Liquid	Tank Farm	5 KL	5 KL	1	Local	Road

52.Any Other Information

No Information Available


53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Nil
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Parking details:	Number and area of basement:	Nil
	Number and area of podia:	Nil
	Total Parking area:	414
	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):	3 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	no protected area in 10 km circle
	Category as per schedule of EIA Notification sheet	5 (F) B (1)
	Court cases pending if any	Nil
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

Brief information of the project by SEAC

During meeting the representative of PP submitted letter for leave of absence.

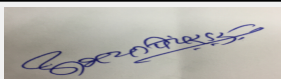
DECISION OF SEAC

The committee decided to defer the proposal on PP's request.

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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SEAC-1 MEETING

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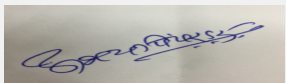
Subject: Environment Clearance for Classic Oil Limited, Mahad

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	Proposed New project for manufacturing of Specialty Chemicals and intermediate
2.Type of institution	Private
3.Name of Project Proponent	Mr. Sudhakar Patil
4.Name of Consultant	Goldfinch Engineering Systems Private Limited, Thane
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	Proposed is a Greenfield Project
8.Location of the project	Plot No.- B-14; Mahad MIDC
9.Taluka	Mahad
10.Village	Mahad
11.Area of the project	Municipal Council
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 2025
13.Note on the initiated work (If applicable)	Nil
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	4050 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.): 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	172500000

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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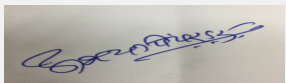
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27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	6m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not applicable
29.Existing 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	CYCLOHEXANOL	00	20	20
2	2 - METHYL CYCLOHEXANOL	00	40	40
3	2 - METHYL CYCLOHEXYL ACETATE	00	300	300
4	DI-ISO BUTYL CARBINOL (DIBC)	00	100	100
5	N - BUTYL CHLORIDE(NBC)	00	20	20
6	ISOBUTYL CHLORIDE (IBC)	00	10	10
7	TERTIARY BUTYL CHLORIDE (TBC)	00	10	10
8	TRIOCTYL PHOSPHATE / TRI (ETHYL HEXYL) PHOSPHATE)	00	450	450
9	TRIPHENYL PHOSPHITE	00	100	100
10	TRIBUTYL PHOSPHATE	00	20	20
11	2- ETHYL ANTHRAQUINONE	00	100	100
12	TERTIARY BUTYL UREA	00	230	230
13	TYRAMINE/ TYRAMINE HCl	00	20	20
14	By-Product	--	--	--
15	30% HCl	00	538.54	538.54
16	Dil. Acetic Acid (30%)	00	49.5	49.5
17	Sodium Acetate	00	8	8


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18	Calcium Carbonate	00	19.3	19.3
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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
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)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	00	5	5	00	1	1	00	4	4
Industrial Process	00	22	22	00	14	14	00	8	8


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Cooling tower & thermopack	00	85	85	00	73	73	00	12	12
Gardening	00	3	3	00	3	3	-	-	-

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	4.80 m
	Size and no of RWH tank(s) and Quantity:	250 m ³
	Location of the RWH tank(s):	near main gate
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	10 lac
	Budgetary allocation (O & M cost) :	1 lac
	Details of UGT tanks if any :	NA

35.Storm water drainage	Natural water drainage pattern:	Provided by MIDC
	Quantity of storm water:	NA
	Size of SWD:	NA

Sewage and Waste water	Sewage generation in KLD:	4
	STP technology:	Conventional technology will be use
	Capacity of STP (CMD):	01 No. 5 CMD
	Location & area of the STP:	Near ETP
	Budgetary allocation (Capital cost):	5 lac
	Budgetary allocation (O & M cost):	0.2 lac

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Debris
	Disposal of the construction waste debris:	Debris will use for land filling
Waste generation in the operation Phase:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	Kindly refer point no. 45
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	50 Kg
	Others if any:	NA


Mode of Disposal of waste:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	CHWTSDF, MWML, Taloja
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be use as manure for gardening
	Others if any:	NA
Area requirement:	Location(s):	Plant Area, Raw material storage area, ETP, Office Building
	Area for the storage of waste & other material:	18 m ²
	Area for machinery:	486 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	included in total cost
	O & M cost:	0.2 lac

37. Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	4-5	7-7.5	6.5-8.5
2	BOD	mg/lit	1500-2000	<100	<100
3	COD	mg/lit	3000-4000	<250	<250
4	TSS	mg/lit	100-150	<100	<100
5	TDS	mg/lit	2000-2500	<2100	<2100
6	O & G	mg/lit	15-20	<10	<10
Amount of effluent generation (CMD):		20			
Capacity of the ETP:		25			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		20			
Membership of CETP (if require):		Yes			
Note on ETP technology to be used		Single Effect Evaporation, Primary, Secondary & Tertiary Treatment			
Disposal of the ETP sludge		CHWTSDF, MWML, Taloja			


38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Distillation Residue	20.3	MTPA	00	5.0	5.0	Collection, Storage, transportation and send to MWML, Taloja CHWTSDF for incineration or sale to MPCB authorized dealer
2	ETP Sludge + MEE salts	34.3	MTPA	00	1.8+800	1.8+800	Collection, Storage, transportation and send to MWML, Taloja CHWTSDF


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3	Spent Carbon	28.2	MTPA	00	0.6+8.3	0.6+8.3	Collection, Storage, transportation and send to MWML, Talaja CHWTSDF
4	Discarded drums and containers	33.3	numbers	00	100	100	Collection, decontaminations, storage, reuse/sale to authorized recycler

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	Coal=365 Kg/hr / FO=125 Kg/hr	01 (Combined stack)	38	0.6	150
2	Termopac	Coal=345 Kg/hr / FO=190 Kg/hr	01 (Combined stack)	38	0.6	150
3	D.G. set	HSD=135 Kg/hr	01	4.5	0.6	150

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal / FO	00 / 00	710 Kg/hr / 315 Kg/hr	710 Kg/hr / 315 Kg/hr
2	HSD	00	135 Kg/hr	135 Kg/hr

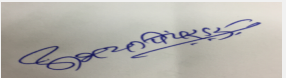
41.Source of Fuel From market/ out sider fuel companies

42.Mode of Transportation of fuel to site By Road

43.Green Belt Development	Total RG area :	629
	No of trees to be cut :	No tree will be cut
	Number of trees to be planted :	80
	List of proposed native trees :	Terminalia arjuna, Bauhinia racemosa, Ficus benghalensis, Ficus religiosa, Polyalthia longifolia, Azadirachta indica, Cassia fistula
	Timeline for completion of plantation :	5 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	Terminalia arjuna	Arjun	5	Pollution resistant and Native
2	Bauhinia racemosa	Apta	5	Pollution resistant and Native
3	Ficus benghalensis	Vad	2	Pollution resistant and Native
4	Ficus religiosa	Pimpal	3	Pollution resistant and Native
5	Polyalthia longifolia	Ashok	10	Pollution resistant and Native
6	Azadirachta indica	Kaduneem	5	Pollution resistant and Native
7	Cassia fistula	Bahava	5	Pollution resistant and Native
8	Lagerstroemia speciosa	Taman	5	Pollution resistant and Native


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9	Bougainvillea spectabilis	Bouganvel	5	Pollution resistant and Native
10	Lantana camara	Ghaneri	10	Pollution resistant and Native
11	Calatropis gigentia	Rui	5	Pollution resistant and Native
12	Hibiscus rosa sinensis	Jaswand	10	Pollution resistant and Native
13	Nerium indicum	Kanher	5	Pollution resistant and Native
14	Neolamarckia cadamba	Kadamb	5	Pollution resistant and Native

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)	100 kW
	DG set as Power back-up during construction phase	No DG set
	During Operation phase (Connected load):	1100 KW
	During Operation phase (Demand load):	900 KW
	Transformer:	1100 KW
	DG set as Power back-up during operation phase:	500 KVA (1 No.)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No high tension line passing through the plot

48.Energy saving by non-conventional method:


NIL

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	Nil	Multi cyclone separator with Bag ouse/ Chimney
Water	Nil	ETP
Noise	Nil	Aqustic Enclosure



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Solid Waste	Nil		Disposal to MWML				
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	20 lac					
	O & M cost:	0.2 lac					
51.Environmental Management plan Budgetary Allocation							
a) Construction phase (with Break-up):							
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)				
1	Dust	Air Pollution	0.5 lac				
2	Debries	Soild Waste	0.5 lac				
3	Construction motor	Noise Pollution	0.5 lac				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Air Pollution	Stack	28	0.6			
2	Water Pollution	ETP	90	3.5			
3	Domestic Effluent	STP	5	0.2			
4	Noise Pollution Control	Acoustic Enclosure	5	Nil			
5	Process Emmission	Scrubber	5	0.4			
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)							
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
N-Butanol	Liquid	Tank farm	20	20	90	Local	Road
Isobutanol	Liquid	Store	0.2	2	8.0	Local	Road
Tertiary Butanol	Liquid	Store	0.2	2	8.0	Local	Road
IPA	Liquid	Store	0.1	0.3	1.3	Local	Road
52.Any Other Information							
No Information Available							
53.Traffic Management							
Nos. of the junction to the main road & design of confluence:		Nil					



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Parking details:	Number and area of basement:	Nil
	Number and area of podia:	Nil
	Total Parking area:	192.2 m2
	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):	6m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No Protected area within 10 km radius circle
	Category as per schedule of EIA Notification sheet	5(f) B1
	Court cases pending if any	Nil
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	29-09-2016
Brief information of the project by SEAC		
<p>PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006 to the earlier SEAC and SEAC granted them TOR. PP submitted their EIA reprot in 138th meeting of SEAC-I, the proposal was deferred till the complianc of points raised in 138th meting. Now in 140th meeting PP submitted the compliance report for the appraisal.</p>		
DECISION OF SEAC		


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The proposal was considered based on the EIA/EMP report , presentation and other documents submitted by PP to the committee. The committee observed following points,

SEAC decided to recommend the proposal for prior Environment Clearance to the SEIAA.


Specific Conditions by SEAC:

- 1) PP to submit layout plan showing uniform six meter wide internal roads to SEIAA approved by MIDC.
- 2) PP to submit copy of on site and off site emergency plan to the district authority. (District Disaster Management Authority)

FINAL RECOMMENDATION


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

SEAC-AGENDA-0000000024


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

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SEAC-1 MEETING

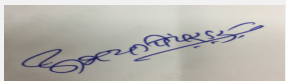
SEAC Meeting number: 140th Meeting (DAY-2) Meeting Date July 21, 2017

Subject: Environment Clearance for Common Municipal Solid Waste Management Facility (CMSWMF) at Sector 3, Village Umbarde, Tal. Kalyan, Dist. Thane by Kalyan Dombivali Municipal Corporation.

1.Name of Project	Common Municipal Solid Waste Management Facility (CMSWMF) at Sector 3, Village Umbarde, Tal. Kalyan, Dist. Thane. Maharashtra.
2.Type of institution	Government
3.Name of Project Proponent	Kalyan Dombivali Municipal Corporation
4.Name of Consultant	ABC Techno Labs India Private Limited, A-355, Third Floor, Balaji Bhavan, Plot No. 42A, Sector 11, CBD Belapur, Navi Mumbai - 400614. Phone : +91-22-27580044 /55. E-mail: chaitanyasathe@abctechnolab.com
5.Type of project	Common Municipal Solid Waste Management Facility (CMSWMF)
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 - 33, 34P, 22P, 21P, 35, 36, 37P, 39P, 56, 57P, 58, 59, 30, 61, 62, 63P, 64P, 65P, 84P
9.Taluka	Kalyan
10.Village	Umbarde
11.Area of the project	Kalyan Dombivali Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Plan will be send to Planning authority KDMC as per MRTP act 1966 Clause 58
	Approved Built-up Area: 0.0
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.)	1,32,286.0 m ²
16.Deductions	Not applicable
17.Net Plot area	72,000.0 m ²
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.): 0.0
19.Total ground coverage (m ²)	35,563.0 m ²
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	49.39 %
21.Estimated cost of the project	160000000

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		


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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))	9.0 m
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	Compost	Not applicable	18 % of total waste quantity	18 % of total waste quantity
2	RDF	Not applicable	20 % of total waste quantity	20 % of total waste quantity

32.Total Water Requirement

Dry season:	Source of water	KDMC/Tanker
	Fresh water (CMD):	6.0 m3/day
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	10.0 m3/day
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD)	73.9 m3/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	KDMC/Tanker
	Fresh water (CMD):	6.0 m3/day
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	63.9 m3/day
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	10.0 m3/day

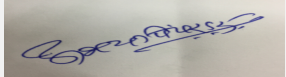
Details of Swimming pool (If any) Not applicable

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable


34.Rain Water Harvesting (RWH)	Level of the Ground water table:	3.90 m
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Not applicable
	Budgetary allocation (O & M cost) :	Not applicable
	Details of UGT tanks if any :	2 tanks of 50000 liters

35.Storm water drainage	Natural water drainage pattern:	As per gravity
	Quantity of storm water:	0.930 Cum/Sec
	Size of SWD:	Not Applicable


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Sewage and Waste water	Sewage generation in KLD:	4.0 m3/day
	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:	10 Kg/day from laobour activity.
	Disposal of the construction waste debris:	Will be Utilized in low-land leveling & base preparation of internal roads. Some quantity of Excavation soil will be use for backfilling and remaining will be hand over to authorize vendor.
Waste generation in the operation Phase:	Dry waste:	10 Kg/day
	Wet waste:	5 Kg/day
	Hazardous waste:	Spent oil or oil grease for DG sets, paints etc.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Mode of Disposal of waste:	Dry waste:	Dry waste will be disposed off at site itself.
	Wet waste:	Wet waste will be disposed off at site itself.
	Hazardous waste:	Handed over to authorized Vendor/Recycler
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	Location(s):	On site disposal Facility
	Area for the storage of waste & other material:	Not Applicable
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not Applicable
	O & M cost:	Not Applicable


37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	5.8	7.2	5.5 - 9.0
2	Dissolved solids	mg/l	3500	2000	2100
3	COD	mg/l	1700 mg/l	-	-
Amount of effluent generation (CMD):		15 m3/Day			


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Capacity of the ETP:	20 m3/Day
Amount of treated effluent recycled :	100 % recycle
Amount of water send to the CETP:	Not applicable
Membership of CETP (if require):	Not applicable
Note on ETP technology to be used	It is physiochemical treatment with extended aeration and biological treatment with pressure sand filter and activated carbon filter as tertiary treatment .
Disposal of the ETP sludge	Captive landfill

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/spent oil	5.1	Liters	Not applicable	15 liters	15 liters	Will be handed over to Authorized Recycler

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	DG set Stack	High speed diesel	1	10 m	0.3	125°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	High speed diesel	Not applicable	-	Will be required only in case of power failure

41.Source of Fuel

Not applicable

42.Mode of Transportation of fuel to site


Not applicable

43.Green Belt Development

Total RG area :	6,600.0 m2
No of trees to be cut :	Not applicable
Number of trees to be planted :	180
List of proposed native trees :	Cassia Fistula, Neolamarckia Cadamba, Holoptelea Integrifolia, Holoptelea Integrifolia, Trema Orientalis, Oroxyllum Indicum, Azadirachta Indica, Schleicheria Oleosa, Xylia Xylocarpa, Bombax Ceiba, Terminalia Elliptica.
Timeline for completion of plantation :	With completion of construction phase


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	15	ornamental plant in tropical and subtropical areas.It will grow well in dry climates. It is relatively drought-tolerant and slightly salttolerant. It will tolerate light brief frost too



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2	Neolamarckia Cadamba	Kadamba	15	The fruit and inflorescences are reportedly edible by humans. The fresh leaves are fed to cattle.
3	Butea Monosperma	Palash	15	It is used for timber, resin, fodder, medicine, and dye. The wood is dirty white and soft and, being durable under water, is used for well-curbs and water scoops.
4	Holoptelea Integrifolia	Vavla	10	Bark and leaves are used for treating oedema, diabetes, leprosy and other skin diseases, intestinal disorders, piles and spruce
5	Trema Orientalis	Ghol	15	The bark can be used for making string or rope, and used as waterproofing fishing-lines. In India and Tanzania, the wood is used to make charcoal.
6	Oroxylum Indicum	Tetu	20	The tree is often grown as an ornamental for its strange appearance. Materials used include the wood, tannins and dyestuffs.
7	Azadirachta Indica	Neem	10	Neem oil is used for preparing cosmetics such as soap, shampoo, balms, and creams as well as toothpaste
8	Schleichera Oleosa	Kusum	20	The tree is host to Kusumi Lac, which is native to India. Its seeds are the source of Kusum oil.
9	Xylia Xylocarpa	Jamba	12	The seeds of this tree are edible. This tree is considered a medicinal plant in India
10	Bombax Ceiba	Sawar	28	Splikes on the stem can be ground & applied to face for treatment against acne.
11	Terminalia Elliptica	Ain	20	Wood is used for furniture, cabinet work etc.
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				


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Power requirement:	Source of power supply :	M.S.E.D.C.L.
	During Construction Phase: (Demand Load)	15 KVA
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	-
	During Operation phase (Demand load):	250 KVA
	Transformer:	-
	DG set as Power back-up during operation phase:	125 KVA
	Fuel used:	High Speed Diesel
	Details of high tension line passing through the plot if any:	Not applicable

48. Energy saving by non-conventional method:

Not Applicable

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
Not applicable	Not applicable	Not applicable

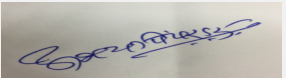
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not Applicable
	O & M cost:	Not Applicable

51. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust Suppression	Dust control	1.0
2	Site Sanitation, Safety & Disinfection	Workers Health	2.0
3	Environmental Monitoring	Air, Water, Soil, Noise sampling & testing	4.0
4	Occupational Health	Health Check up	3.0

b) Operation Phase (with Break-up):


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Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Lechate Treatment Plant	Waste water treatment	15.0	4.0
2	Odour Control	Odour supression	5.0	-
3	Landscape	Tree plantation & gardening	15.0	2.0

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

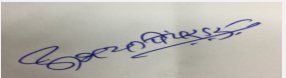
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available


53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	No. of the Junction: 1 No.
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):	-
	CRZ/ RRZ clearance obtain, if any:	Not Applicable


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	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Nil in 10 Km Area.
	Category as per schedule of EIA Notification sheet	7 (i) Common Municipal Solid Waste Management Facility (CMSWMF)
	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	27-02-2016
Brief information of the project by SEAC		

SEAC-AGENDA-0000000024

PP submitted application for the grant of TOR under category 7(i)B1 as per EIA Notification, 2006 to the earlier SEAC-1 to develop solid waste management facility at Umbarde to handle 350MT/Day of solid waste. There is a DP reservation for 10.2 Ha area which is situated 500 m from the river Ulhas. The then SEAC-1 considered the proposal in their 124th meeting held on 30th and 31st March, 2016 wherein ToR was approved and a site visit was proposed on 11.04.2016. Committee conducted the site visit as proposed.

The site visit report of the sub committee is as below;

The SEAC-I sub-committee consisting of Shri. T.C. Benjamin, Chairman and three members viz. Shri. D. A. Hiremath, Shri. B.H.Seagal and Dr. R. Dod visited the proposed two sites on 11.4.2016 in presence of Shri. E. Ravindren, Municipal Commissioner KDMC, Shri. G. Narangul, Executive Engineer KDMC and consultant ABC Techno labs.

1. Village Umbarde (Proposed integrated SWM facility)

Land use classification: reserved land for MSW Treatment facility

Plant capacity: 350 TPD

Land requirement: 102100 sq. m

Project cost: Rs. 17.46 cr.

: Rs. 250 cr. For waste to energy facility (incineration plant)

Location: google sheet

The observations of the sub-committee:

1. The said site is a vacant piece of land about 200m from the village boundary as per topo sheets.
2. Buffer zone details are required for such facility.
3. As the site is close to the RIVER hence details of High Flood Level (HFL) for 50/100 year flood be considered and marked.
4. Specific prevention measures are to be taken to arrest any leachate from the site entering into the river during fresh floods.
5. Ambient Air Quality Study as per the latest Terms of reference. However, the increments shall consider the moment of the vehicles and the segregation of the solid waste.
6. Odour control is must as the site is very close to the city and the surrounding villages.
7. Ground water sampling required as per model ToR prescribed by MoEF, at least for 8 places.
8. The last leg of the access roads as well as the internal roads for the proposed dumping grounds should be black topped to avoid dust generation.
9. The sub-committee strongly felt in both cases that unless effective and robust flood control structures are constructed along the river bank, the dumping grounds will be a threat to the environmental sanctity of the river.


During deliberation PP requested that, as the proposed site is reserved for solid waste management and objection and suggestion were obtained from public at the time of finalization of DP reservations hence Public Consultation as mentioned in the EIA Notification, 2006 to be exempted.



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DECISION OF SEAC

Committee after detailed deliberations and discussions with the PP and his accredited consultant is of the view that, EIA Notification ,2006 requires Public Consultation for the projects falling under category A and B1. The proposed project falls under category 7(i)B1 which requires Public Consultation as per para 7 III Stage (3) of the EIA Notification, 2006.


Hence, SEAC-I decided to defer the proposal till PP carry out Public Consultation as per EIA Notification,2006 and submits compliance of the issues raised during Public Consultation in revised EIA/EMP report.

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

SEAC-AGENDA-0000000024


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SEAC-1 MEETING

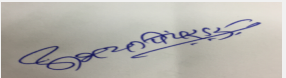
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Subject: Environment Clearance for Specialty & fine Chemicals/dye intermediates & organic synthetic chemical

1.Name of Project	Chemco Innovative Chemie Pvt. Ltd
2.Type of institution	Private
3.Name of Project Proponent	Mr Samir Mody
4.Name of Consultant	SGM Corporate Consultant Pvt Ltd
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot No. T-24,25,26,27,39, MIDC Tarapur
9.Taluka	Palghar
10.Village	Tarapur
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 3850
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	4600
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.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.): 3850
19.Total ground coverage (m2)	2325
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	50
21.Estimated cost of the project	6000000


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

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



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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	4.5 m
	Size and no of RWH tank(s) and Quantity:	2 x 20 cum
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	4.0
	Budgetary allocation (O & M cost) :	0.25
	Details of UGT tanks if any :	1 x 100 cum, 1 x 50 cum , 1` x 150 cum
35.Storm water drainage	Natural water drainage pattern:	MIDC Drain
	Quantity of storm water:	0.35 cum/sec
	Size of SWD:	300 x 400 mm
Sewage and Waste water	Sewage generation in KLD:	08
	STP technology:	Septik tank
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	2.5
	Budgetary allocation (O & M cost):	0.50
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:	05
	Wet waste:	07
	Hazardous waste:	Process Residues, ETP Sludge etc
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA


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Mode of Disposal of waste:	Dry waste:	MIDC
	Wet waste:	MIDC
	Hazardous waste:	CHWTSDF Site Taloja
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

37. Effluent Characteristics


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

38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	5.1	TPM	0.04	0.04	0.08	Recycler
2	Process Residue	28.1	TPM	18	12	30	CHWTSDF
3	ETP Sludge	34.3	TPM	75	25	100	CHWTSDF
4	Evaporation Residue	36.3	TPM	00	50	50	CHWTSDF
5	Discarded Containers	33.3	NO.	50	25	75	Reuse/Sel
6	Contaminated filter cloths/centrifuges bags	35.1	TPM	0.5	0.1	0.6	Reuse/Sel


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


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1	Boiler	FO/Briquettes/Biomass Fuel/Gas	1	14	0.4	120
2	Boiler	FO/Briquettes/Biomass Fuel/Gas	1	14	0.4	120
3	Boiler	FO/Briquettes/Biomass Fuel/Gas	1	14	0.4	120
4	Scrubber	NA	1	9.0	0.2	40
5	Scrubber	NA	1	6.5	0.2	40
6	Scrubber	NA	1	6.5	0.2	40
7	Scrubber	NA	1	9.0	0.2	40
8	Scrubber	NA	1	9.0	0.2	40
9	Scrubber	NA	1	9.0	0.2	40

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	FO/Briquettes/Biomass Fuel/Gas	1.0	1.0	2.0 TPD/KLD

41.Source of Fuel Local vendor

42.Mode of Transportation of fuel to site By Road

43.Green Belt Development	Total RG area :	765.00
	No of trees to be cut :	NA
	Number of trees to be planted :	40
	List of proposed native trees :	Given Below
	Timeline for completion of plantation :	Oct 17

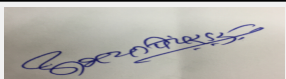
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	05	Medicinal plant
2	Delonix regia	Gulmohar	05	Used in pesticide & dye preparation
3	Mimusopes elengi	Bakul	05	Evergreen tree, timber yielding and medicinal plant
4	Saraca indica	Sita ashok	10	Evergreen medicinal plant
5	Roystonea regia	Royal palm	10	Nitrogen fixer, ornamental plant
6	Neolamarkia cadamba	Kadamba tree	05	Tropical fruit tree & bird attracting tree

45.Total quantity of plants on ground


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

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


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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):	500 KVA
	During Operation phase (Demand load):	375 KVA
	Transformer:	500 KVA
	DG set as Power back-up during operation phase:	2 X 200 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

use of LED lights

49. Detail calculations & % of saving:

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

50. Details of pollution control Systems

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

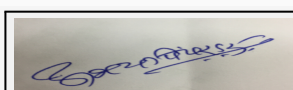
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2.0
	O & M cost:	0.15

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):



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Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	PM-10, PM 2.5, SO2 etc	10.0	1.0
2	Water Pollution Control	pH, COD, BOD, TSS etc	45.0	7.50
3	Noise Pollution Control	Noise	5.0	0.25
4	Hazardous Waste	Soil Contamination	2.0	5.0
5	Green Belt	Plantation	0.50	0.25
6	Occupation health	Safety Mesaures	5.0	1.0

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


Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Sulphuric Acid	Corrosive	MS Tank	50	50	30-45	Local vendors	By road
Hydrochloric Acid	Corrosive	HDPE tank	15	15	10-12	Local vendors	By road
Oleum (23 %)	toxic	MS Tank	30	30	25	Local vendors	By road
Nitric Acid	Corrosive	Aluminium Tank	25	25	20	Local vendors	By road

52.Any Other Information

No Information Available

53.Traffic Management

Nos. of the junction to the main road & design of confluence:	three
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	300
	Area per car:	15
	Area per car:	15
	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) B1
	Court cases pending if any	NA
	Other Relevant Informations	TOR is approved in 135th SEAC meeting dated 22/09/2016.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	06-09-2016
Brief information of the project by SEAC		
<p>PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. The proposal was considered by earlier SEAC-1 in their 135th meeting held on 21st to 23rd September, 2016 where in ToR was granted to the project. Now PP submitted the EIA/EMP reprot for the appraisal.</p>		
DECISION OF SEAC		


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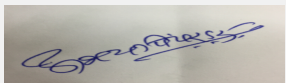
After detailed deliberation with PP and his accredited consultant SEAC-1 decided to defer the proposal till PP submits compliance of following points.

Specific Conditions by SEAC:

- 1) The list of products existing and proposed mentioned in the column No. 31 of the Consolidated Statement is not clear; PP to submit clear list of existing and proposed products.
- 2) PP to submit undertaking for not having any ecological sensitive area with the study area of the project as per EIA Notification, 2006.
- 3) It was observed that the mangroves are at a distance of 1.3 KM from proposed site; PP to submit impact of proposed activity on the mangroves and mitigation measures.
- 4) PP proposes Zero Liquid Discharge and also proposes 5 KLD fresh water for gardening; PP to submit clarification on the same.
- 5) PP to submit design details of scrubbing system proposed in the project along with calculations and nature of pollutants.
- 6) PP to submit copy of on site /off site emergency plan.
- 7) PP to submit structural stability certificate of existing buildings.
- 8) PP to carry out detailed HAZOP and QRA study and submit the report.
- 9) PP to submit lay out plan showing internal roads, location of pollution control equipment, parking areas, 33% green belt, rain water harvesting etc.
- 10) PP to submit an undertaking for Zero Liquid Discharge and submit design details of pollution Control Equipment proposed for achieving Zero Liquid Discharge.
- 11) PP to submit details of utilization of 2,3 Dibromo Benzene.

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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SEAC-1 MEETING

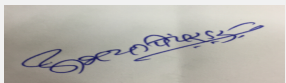
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Subject: Environment Clearance for Synthetic Chemical /API /Intermediates Manufacturing Industry

1.Name of Project	M/s Shakti Industries
2.Type of institution	Private
3.Name of Project Proponent	Mr Milind Patel
4.Name of Consultant	M/s S G M Corporate Consultant 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	Change in Product Mix
8.Location of the project	Plot No. K-2, MIDC area, Tarapur, Palghar
9.Taluka	Palghar
10.Village	Tarapur
11.Area of the project	MIDC Tarapur
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 2205
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.)	1644.00
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.): 2205
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	55000000

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))	30 m
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	Methyl Testosterone, Dydrogesterone	00	0.050	0.050
2	Testosterone its derviatives	00	0.450	0.450
3	Nandrolone its derviatives	00	0.150	0.150
4	Tibolone	00	0.005	0.005
5	Norethisterone , Progesterone	00	0.05	0.05
6	Estradiol its derviatives	00	0.025	0.025
7	Levonorgestrel, Nandrolone Decanoate	00	0.005	0.005
8	Ethylene Estradiol	00	0.005	0.005
9	Dinosterol , Dutasteride	00	0.01	0.01
10	Fluticasone Propionate, Fluticasone Fuorate, Fluticasone Base, Flurocortisone Acetate	00	0.015	0.015
11	Budesonide, BeclomethasoneDipropionate	00	0.010	0.010
12	Mometasone furoate, Flunisolide	00	0.025	0.025
13	Finasteride, Triamcinolone,	00	0.025	0.025
14	Prednisolone sodium phosphate	00	0.100	0.100
15	Prednisolone acetate	00	0.025	0.025

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)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	01	01	02	0.2	0.2	0.4	0.8	0.8	1.6
Industrial Process	20	-14	06	15	01	01	05	05	05
Cooling tower & thermopack	01	02	03	0.9	1.9	2.8	0.1	0.1	0.2
Gardening	0.5	0.5	1.0	0.5	0.5	1.0	00	00	00



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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	5 to 6.0 m
	Size and no of RWH tank(s) and Quantity:	1 x 10 cum
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	0.50
	Budgetary allocation (O & M cost) :	0.10
	Details of UGT tanks if any :	25 CUM
35.Storm water drainage	Natural water drainage pattern:	Diverted into MIDC drain
	Quantity of storm water:	0.25 cum/sec
	Size of SWD:	300 x 400 mm
Sewage and Waste water	Sewage generation in KLD:	1.6
	STP technology:	Septic Tank & over flow diverted int ETP.
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NAS
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:	10 Kg
	Wet waste:	05 kg
	Hazardous waste:	List Given below
	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 MIDC
	Wet waste:	Handed Over to MIDC
	Hazardous waste:	Details given below
	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 Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	NA	5.5-6.5	6.5 -7.5	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
5	Oil & Grease	mg/lit	30-40	<10	10
Amount of effluent generation (CMD):		5.0			
Capacity of the ETP:		10 cum			
Amount of treated effluent recycled :		00			
Amount of water send to the CETP:		5.0			
Membership of CETP (if require):		Yes			
Note on ETP technology to be used		Physico-chemical treatment with ME			
Disposal of the ETP sludge		chwtstf			

38. Hazardous Waste Details


Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	28.2	Spent Carbon	TPM	00	0.06	0.06	CHWTSDF
2	33.3	Liners, Barrels / Containers	TPM/NO	00	0.02/20 NO.	0.02/20 NO.	CHWTSDF
3	34.3	Chemical Sludge	TPM	0.02	0.04	0.06	CHWTSDF
4	36.4	Residues	TPM	00	0.100	0.100	CHWTSDF
5	20.2	Spent solvent	TPM	00	0.5	0.5	CHWTSDF /Authorised Vendor

39. Stacks emission Details


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Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler	FO 300 KG	1	30	0.45	120
2	Scrubber	na	1	15	0.2	45

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	furnace oil	0.30 TPD	00	0.30 TPD

41.Source of Fuel Local vendor

42.Mode of Transportation of fuel to site By road

43.Green Belt Development	Total RG area :	274.20 sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	25
	List of proposed native trees :	given below
	Timeline for completion of plantation :	Oct 17

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	05	Medicinal plant
2	Caryota urens	Fish Tail palm	05	Nitrogen fixer, ornamental plant
3	Neolamarkia cadamba	Kadamba tree	04	Tropical fruit tree & bird attracting tree
4	Cassia fistula	Bahava	02	Used in pesticide & dye preparation
5	Mimusopes elengi	Bakul	04	Evergreen tree,
6	Saraca indica	Sita ashok	05	Evergreen medicinal 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	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):	375
	During Operation phase (Demand load):	275
	Transformer:	300
	DG set as Power back-up during operation phase:	250
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Use of LED light in premises.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of LED light in premises.	NA

50. Details of pollution control Systems

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

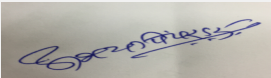
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	1.50 Lac
	O & M cost:	0.20 Lac

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):


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Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	PM-10, PM 2.5, SO2 etc	15.0	0.75
2	Water Pollution control	pH, COD, BOD, TSS etc	55.0	6.25
3	Noise	Noise	2.5	0.25
4	Hazardous waste	Soli Contamination	2.0	3.0
5	Rain water Harvesting	Water conservation	0.50	0.10
6	Occupational Health & safety	Safety	8.0	1.0
7	Green Belt	Plantation	0.50	0.25

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

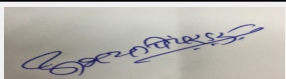
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Methanol	Toxic	HDPE Drums	3.0	3.0	3.0	Local vendor	By road
Acetone	Toxic	HDPE/MS Drums	0.50	0.50	1.0	Local vendor	By road
Hexane	Fire	HDPE/MS Drums	0.05	0.05	0.10	Local vendor	By road
Ethyl Acetate	Fire	HDPE Drums	0.50	0.50	1.0	Local vendor	By road
Isopropyl alcohol	Fire	HDPE Drums	0.01	0.01	0.02	Local vendor	By road
Methyl chloride	Toxic	HDPE Drums	1.0	1.0	1.0	Local vendor	By road
Tetrahydrofuran	Toxic	HDPE Drums	0.05	0.05	0.05	Local vendor	By road
Dimethyl sulfoxide	Toxic	HDPE Drums	0.07	0.07	0.15	Local vendor	By road
Dimethyl Form amide (DMF)	Toxic	HDPE Drums	0.05	0.05	0.10	Local vendor	By road
Sulfuric acid	Corrosive	HDPE Drums	0.005	0.010	0.025	Local vendor	By road
Hydrochloric Acid	Corrosive	HDPE Drums	0.20	0.200	0.200	Local vendor	By road

52.Any Other Information

No Information Available


53.Traffic Management

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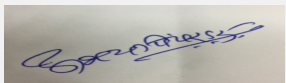

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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	198.50
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent 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) -B1
	Court cases pending if any	NA
	Other Relevant Informations	This project is recommended for TOR in 135th meeting of SEAC.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-09-2016
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. The proposal was considered by earlier SEAC-1 in their 135th meeting held on 21st to 23rd September, 2016 where in ToR was granted to the project. Now PP submitted the EIA/EMP reprot for the appraisal.		
DECISION OF SEAC		


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After detailed deliberation with PP and his accredited consultant SEAC-1 decided to defer the proposal till PP submits compliance of following points.

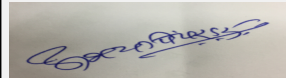
Specific Conditions by SEAC:

- 1) PP to submit undertaking for not having any ecological sensitive area with the study area of the project as per EIA Notification, 2006.
- 2) PP proposes Zero Liquid Discharge and also proposes 2 KLD fresh water for gardening; PP to submit clarification on the same.
- 3) PP to maintain stack height of 30 meters as suggested by earlier SEAC-1.
- 4) PP to submit design details of scrubbing system proposed in the project along with calculations and nature of pollutants.
- 5) PP to submit structural stability certificate of existing buildings.
- 6) PP to carry out detailed HAZOP and QRA study and submit a report.
- 7) P to submit lay out plan showing internal roads, location of pollution control equipment, parking areas, 33% green belt, rain water harvesting etc.
- 8) PP to submit an undertaking for Zero Liquid Discharge and submit design details of pollution Control Equipment proposed for achieving Zero Liquid Discharge.
- 9) PP to submit copy of on site /off site emergency plan.
- 10) PP to submit report on chemical compatibility and its storage.

FINAL RECOMMENDATION


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

SEAC-AGENDA-0000000024


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SEAC-1 MEETING

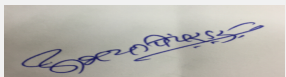
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Subject: Environment Clearance for Environmental Clearance for proposed expansion project of M/s SBL Colortech Pvt. Ltd. located at Plot No.C-4, MIDC Industrial Area, Badlapur(E), Dist. Thane,Maharashtra.

1.Name of Project	SBL Colortech Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rakesh Lakhotia
4.Name of Consultant	M/s Sadekar Enviro Engineers Pvt. Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance was accorded by MoEF, Vide Letter No. J-11011/40/2003-IA-II(I). dated 5th June 2003.
8.Location of the project	Plot No : C-4, Badlapur MIDC
9.Taluka	Ambarnath
10.Village	Kulgaon-Badlapur Municipal Council
11.Area of the project	Kulgaon-Badlapur Municipal Council
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 3183.46
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.)	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.): 3183.46
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	56400000

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))	6 meters
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	Reactive Yellow 4G	2.0	6.0	8.0
2	Reactive Red 5B	3.0	1.0	4.0
3	Reactive Scarlet 3G	5.0	10.0	15.0
4	Reactive Blue 3 G	4.0	8.0	12.0
5	Reactive Black ML	6.0	9.0	15.0
6	Reactive Red 6 G	0.0	12.0	12.0
7	Reactive Red GN	0.0	5.0	5.0
8	Reactive Blue 3 RG	0.0	6.0	6.0
9	Reactive Red B	0.0	3.0	3.0
10	Reactive Black DM	0.0	12.0	12.0
11	Reactive Red 2 G	0.0	3.0	3.0
12	Disperse Blue F2GBL	2.0	0.0	2.0
13	Disperse Yellow 3GY	1.0	0.0	1.0
14	Disperse Red F3L	2.0	0.0	2.0

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)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	3.15	1.35	4.5	0.63	0.27	0.9	2.52	1.08	3.6
Industrial Process	26.33	96.67	123	0	0	0	28.53	105.5	134.03
Cooling tower & thermopack	20.51	63.83	84.34	19.028	42.692	61.72	1.478	6.542	8.02
Gardening	4.21	2.39	6.6	4.21	2.39	6.6	0	0	0


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Fresh water requirement	54.2	164.25	218.45	--	--	--	--	--	--
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	1.58 mbgl (Thane District- Post Monsoon)
	Size and no of RWH tank(s) and Quantity:	2 tank of 10 KL capacity
	Location of the RWH tank(s):	--
	Quantity of recharge pits:	--
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	5.50 Lakh
	Budgetary allocation (O & M cost) :	1.50 Lakh
	Details of UGT tanks if any :	Fire Hydrant Tank 150 KL Capacity

35.Storm water drainage	Natural water drainage pattern:	Storm water drainage system is provided
	Quantity of storm water:	1.87 M3/Hr
	Size of SWD:	--

Sewage and Waste water	Sewage generation in KLD:	3.6
	STP technology:	NA. The sewage effluent will be treated in aeration tank of ETP
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction wastes such as left off concrete, stone, aggregates, wooden piles, excavated material etc.
	Disposal of the construction waste debris:	The solid waste generated in the construction phase would be disposed off through local Municipal Corporation.
Waste generation in the operation Phase:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	The overall operation of company involved generation of Hazardous waste like MEE residue, Distillation Residue, ETP Sludge
	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:	The overall operation of company involved generation of Hazardous waste like MEE residue, Distillation Residue, ETP Sludge which will be disposed through CHWTSDF. The details of HW are given below
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	As per plot layout
	Area for the storage of waste & other material:	--
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	3.0 Lakh
	O & M cost:	2.0 Lakh

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	4.9	6.5-8.5	6.5-8.5
2	TDS	mg/l	67737.3	<2100	<2100
3	COD	mg/l	24450.5	<250	<250
4	BOD	mg/l	7689.6	<100	<100
5	TSS	mg/l	5606.3	<100	<100
Amount of effluent generation (CMD):		145.92 CMD			
Capacity of the ETP:		110 CMD ETP with 50 CMD MEE & RO System			
Amount of treated effluent recycled :		130.17 CMD			
Amount of water send to the CETP:		It will be ZLD project			
Membership of CETP (if require):		Company has membership of Badlapur CETP			
Note on ETP technology to be used		The effluent streams from manufacturing process will be classified as HCOD/TDS and LCOD/TDS streams. The HCOD effluent from process will be subjected to the primary treatment followed by MEE with pusher centrifuge. The condensate from MEE will be directly utilized as cooling tower feed water. while, . The LCOD/TDS effluent from process will be treated along with cooling tower and boiler blowdown effluent in ETP comprises of Primary, Secondary & Tertiary treatment facility. The Domestic effluent			
Disposal of the ETP sludge		The sludge from ETP will be disposed through TTCWMA-CHWTSDF			


38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Distillation Residue	20.3	MT/M	0.0	1.21	1.21	CHWTSDF Facility TTCWMA, Maharashtra.
2	ETP Sludge	35.3	MT/M	1.0	9.0	10.0	CHWTSDF Facility TTCWMA, Maharashtra.


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3	MEE Residue	37.3	MT/D	0.0	2.63	2.63	CHWTSD Facility TTCWMA, Maharashtra.
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39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Boiler (850 Kg/hr)	FO : 1.31 KL/D	01	30	0.45	113
2	Boiler (850 Kg/Hr X 2 Nos)	FO : 1.8 KL/D	02	30	0.45	113
3	Hot Air Generator	FO: 1.2 KL/D	03	30	0.5	120
4	Spray Dryer	--	04	3 m above roof	--	--
5	DG Set (100 KVA & 200 KVA)	HSD : 68 L/Hr	05	3.5 m above roof	0.15	80
6	DG set (200 KVA)	HSD : 46 L/Hr	06	3.5 m above roof	0.15	80
7	Two Stage Alkali Scrubber	--	07	8	0.2	35

40.Details of Fuel to be used


Serial Number	Type of Fuel	Existing	Proposed	Total
1	FO	0.75 KL/D	3.56 KL/D	4.31 KL/D
2	HSD	68 L/Hr	46 L/Hr	114 L/Hr
41.Source of Fuel		Local vendor		
42.Mode of Transportation of fuel to site		By Road		

43.Green Belt Development

Total RG area :	1320
No of trees to be cut :	--
Number of trees to be planted :	119
List of proposed native trees :	Ixora coccinea, Oroxylum indicum, Schleicheria oleosa, Albizia lebbeck, Neolamarckia cadamba, Terminalia arjuna, Bougainvillea spectabilis, Canna indica , Plumeria rubra, Azadirachta indica
Timeline for completion of plantation :	1 year after grant of Environmental Clearance


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	Ixora coccinea	Rukmini/Bakavali	12	A native shrub blooming throughout the year usually visited by nectar feeding birds & butterflies.
2	Oroxylum indicum	Tetu	12	A native ornamental tree
3	Schleicheria oleosa	Kusum	12	A native tree found in abundance in Sahyadris.
4	Albizia lebbeck	Sirish	12	A native tree with thick canopy.


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5	Neolamarckia cadamba	Kadamba	12	A native evergreen tree with thick canopy.
6	Terminalia arjuna	Arjun	12	A native evergreen tree with large canopy
7	Bougainvillea spectabilis	Booganvel	11	An ornamental tree blooming throughout the year
8	Canna indica	Kardal	12	A perennial shrub used in phyto remediation
9	Plumeria rubra	Chafa	12	An evergreen brilliantly flowering shrub
10	Azadirachta indica	Neem	12	A native evergreen tree known for plantation in polluted area.

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)	500 KW
	DG set as Power back-up during construction phase	Existing DG set of 100 & 200 KVA capacity
	During Operation phase (Connected load):	500 KW
	During Operation phase (Demand load):	400 KVA
	Transformer:	500 KW
	DG set as Power back-up during operation phase:	1No D.G. set of 100 KVA and 2 Nos DG set of 200 KVA capacity
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:


Use of transparent roof sheets utilises natural lighting during day & saving of electricity.

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
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Process Emission	Two stage Water/ Alkali Scrubber is provided	Existing scrubber is sufficient to take further emission load
Boiler Emission	Stack of 20m & 25 m is provided	All boiler stacks will be replaced by 30 m height
Hot Air Generator	Stack of 20 m	Existing stack will be replaced by 30 m height
D.G.	stack of 3.5 m above roof is provided	New stack of 3.5 m will be provided for new DG set
ETP	50 CMD (Primary, Secondary & Tertiary Treatment)	110 CMD ETP with 50 CMD MEE & RO System

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	Air Pollution Control	Replacement of 3 existing stacks up to 30 meters, for boilers (1 for 850 Kg/Hr Capacity X 2 nos & 1 for 850 Kg/Hr Capacity X 1 nos) and Hot Air generator respectively.	55	3
2	Water Pollution Control	Up gradation of ETP to 110 CMD capacity comprising of primary, secondary & tertiary treatment along with installation of MEE & RO of 50 CMD capacity	160	7
3	Noise Pollution Control	Installation of anti-vibration pads, & Enclosures for DG set & Boiler.	0.8	0.2
4	Environment Monitoring and Management	Quarterly Environment Monitoring	0	3
5	Occupational Health	Glares, Breathing Masks, Gloves, Boots, Helmets, Ear Plugs etc. & annual health-medical checkup of workers	4.50	2

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

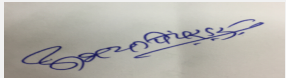

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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
1 hydroxy 7 amino Naphthalene 3 sulphonic acid (Gamma Acid)	Solid	Bags	3.0	3.0	8.820	Local	Road
2 amino naphthalene 6 sulphononic acid	Solid	Bags	2.50	2.50	4.320	Local	Road
2,3 Dibromo Propionyl Chloride	Liquid	Tank	3.0	3.0	57.560	Local	Road
2-5 Dichloro SPMP	Solid	Bags	1.5	1.5	4.80	Local	Road
Acid Blue 40	Solid	Box	2.5	2.5	9.0	Local	Road
Amino K - Acid	Solid	Bags	1.5	1.5	1.5	Local	Road
Aniline	Liquid	Drum	1.8	1.8	4.06	Local	Road
Benzene Sulphonamide	Solid	Bags	0.6	0.6	1.232	Local	Road
Boric Acid	Solid	Bags	0.172	0.172	0.172	Local	Road
Bromo amine acid	Solid	Bags	2.66	2.66	2.66	Local	Road
Caustic Soda	Solid	Bags	10	10	18.925	Local	Road
Chloro Sulphonic Acid	Liquid	Drum	2.140	2.140	2.140	Local	Road
Copper Powder	Solid	Bags	0.02	0.02	0.02	Local	Road
Cyanuric Chloride	Solid	Drum	0.3	0.3	0.77	Local	Road
Di nitro Cherysazine	Solid	Bags	1.738	1.738	1.738	Local	Road
Ferric Chloride (FeCl ₃)	Solid	Bags	8.0	8.0	15.60	Local	Road
1hydroxy 7amino Naphthalein3,6 disulphonic acid (H-Acid)	Solid	Bags	4.50	4.50	9.975	Local	Road
HCL 30%	Liquid	Tank	10	10	61.130	Local	Road
Maleic Anhydride	Solid	Bags	0.25	0.25	0.54	Local	Road
Meta Phenyl Diamine Sulphonic Acid	Solid	Bags	4.0	4.0	16.140	Local	Road
Metachloride	Solid	Bags	0.9	0.9	1.8	Local	Road
Methanol	Liquid	Drum	2.0	2.0	8.66	Local	Road
N Ethyl Aniline	Liquid	Drum	0.2	0.2	0.415	Local	Road
N methyl gama acid	Solid	Bags	0.8	0.8	1.680	Local	Road
Octonol	Liquid	Drum	0.340	0.340	0.725	Local	Road
Oleum 23%	Liquid	Tank	14	10	94.80	Local	Road
Ortho Nitro Chloro Benzene	Liquid	Drum	0.4	0.4	0.5	Local	Road
Para Phenylene Diamine Sulphonic Acid	Solid	Bags	1.5	1.5	2.567	Local	Road
Para Phenylene Diamine	Soild	Bags	2.0	2.0	3.396	Local	Road
Para Toluene Sulphonamide	Solid	Drum	0.4	0.4	1.320	Local	Road


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Dr. Umakant Dangat
(Chairman SEAC-I)

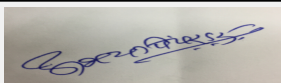
Para Toluene Sulphonic Chloride	Solid	Bags	2.0	2.0	6.396	Local	Road
Potassium Hydroxide	Solid	Bags	1.3	1.3	4.320	Local	Road
Reactive Blue 49 Base	Solid	Bags	1.0	1.0	4.002	Local	Road
Sodium Chloride (NaCl)	Solid	Bags	22	22	208.150	Local	Road
Soda Ash (Na ₂ CO ₃)	Solid	Bags	4.50	4.50	11.135	Local	Road
Sodium Acetate Trihydrate	Solid	Bags	5.0	5.0	22.460	Local	Road
Sodium Bicarbonate	Solid	Bags	12.0	12.0	29.516	Local	Road
Sodium Nitrite	Solid	Bags	2.0	2.0	9.460	Local	Road
Sodium Sulphate	Solid	Bags	5.0	5.0	13.850	Local	Road
Sulphamic Acid	Solid	Bags	0.1	0.1	0.224	Local	Road
Sulphuric acid	Liquid	Tank	12	10	32.40	Local	Road
Vinyl Sulphine Para Ester	Solid	Bags	3.4	3.4	6.720	Local	Road
Sodium Sulphite	Solid	Bags	5.0	5.0	8.796	Local	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:	959 sq m
	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):	6
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	--


Abhay Pimparkar (Secretary SEAC-I)

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	Category as per schedule of EIA Notification sheet	5(f) Cat: B1
	Court cases pending if any	NA
	Other Relevant Informations	NA
	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. The proposal was considered by earlier SEAC-1 in their 137th meeting held on 14th to 18th October, 2016 where in ToR was granted to the project. Now PP submitted the EIA/EMP reprot for the appraisal.

DECISION OF SEAC

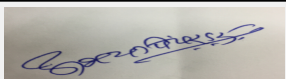
After detaile deliberation with PP and his accredited consultant SEAC-1 decided to defer the proposal till PP submits compliacne of following points.

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 to mention specific impacts of proposed activity on the surface water in the study area like river, lakes etc. in their EIA report along with mitigation measures.
- 4) PP proposes Zero Liquid Discharge and also proposes fresh water water for gardening; PP to submit clarification on the same.
- 5) PP to submit design details of scrubbing system proposed in the project along with calculations and nature of pollutants.
- 6) PP to submit compliance report of earlier EC No. J-11011/40/2003-IA II (I) dated 05.06.2003
- 7) 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.
- 8) The online EIA submitted by PP is not having annexures; PP advised to check the same and upload correct documents for further appraisal.

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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