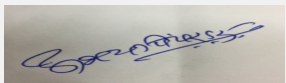


144 th Meeting of SEAC-1 (Day-1)**SEAC Meeting number: 144 Meeting Date** November 17, 2017**Subject:** Environment Clearance for Specialty & fine Chemicals/dye intermediates & organic synthetic chemical

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)-Acetimide	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-Hydroxyacetimide	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

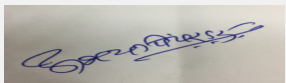

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34. Rain Water Harvesting (RWH)	Level of the Ground water table:	4.5 m
	Size and no of RWH tank(s) and Quantity:	2 x 20 cum
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital 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

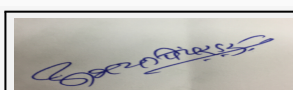
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	2.0
	O & M cost:	0.15

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		


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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 wherein ToR was granted to the project. PP submitted the EIA/EMP reprot for the appraisal in 140th meeting wherein it was decided to defer the proposal till PP submits compliance of following points,


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.

DECISION OF SEAC


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

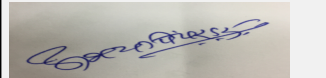
Specific Conditions by SEAC:

- 1) It was observed that PP has not provided 33% green belt in proposed expansion; PP to provide the same and submit corrected layout plan.
- 2) PP to submit product list along with their capping quantity for each product. PP to design all pollution control equipment based on the worst polluting product data. PP to submit an undertaking for achieving out let parameters of ETP as per standards stipulated by State/Central Pollution Control Board.
- 3) PP to specify names and quantity of spent acid generated from the process and its disposal method.
- 4) No fresh water to be used for gardening as PP proposes Zero Liquid Discharge.
- 5) PP to explore possibility to reduce carbon dioxide generation/ MT of product by reducing energy consumption etc. PP to submit calculations in this regard.

FINAL RECOMMENDATION

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


SEAC-AGENDA-000000000000




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144 th Meeting of SEAC-1 (Day-1)


SEAC Meeting number: 144 Meeting Date November 17, 2017

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
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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, Oroxyllum 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

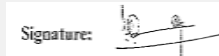
44.Number and list of trees species to be planted in the ground

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
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b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air 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

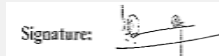
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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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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		


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

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

Draft Terms of Reference (TOR) have been discussed and finalized during 140th meeting of SEAC-1. The committee prescribed the following additional TOR along with Standard TOR as available on the Ministry of Environment, Forest and Climate Change website for preparation of EIA-EMP report.

During deliberations PP informed that the project is Zero Liquid Discharge.

DECISION OF SEAC


After detailed deliberations with the PP and his accredited consultant SEAC decided to defer the proposal till PP submits compliance of following points,

Specific Conditions by SEAC:

- 1) PP to provide separate entry/exit gates and internal access roads having six meter width and nine meter turning radius; PP to submit revised layout plan.
- 2) PP to use solar energy for office buildings and street lights.
- 3) PP to explore possibility to reduce impact on environment identified in the life cycle analysis by procuring domestic raw material etc.

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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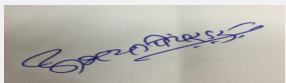
Subject: Environment Clearance for SEEDS CLEANING

1.Name of Project	TEJASWINI DHANYA SAFSAFAI & PARTVARI KENDRA NANDURA
2.Type of institution	Semi Government
3.Name of Project Proponent	LOKSANCHALIT SADHAN KENDRA NANDURA
4.Name of Consultant	MAHILA AARTHIK VIKAS MAHAMANDAL
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	TEJASWINI DHANYA SAFSAFAI & PARTVARI KENDRA NANDURA
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	TEJASWINI DHANYA SAFSAFAI & PARTVARI KENDRA NANDURA
8.Location of the project	GAT NO 6,
9.Taluka	NANDURA
10.Village	NANDURA
Correspondence Name:	C/O SUNIL J PHIRKE
Room Number:	WARD NO 2
Floor:	BALAJI NAGAR
Building Name:	NEAR POWER HOUSE
Road/Street Name:	MALAKAPUR ROAD
Locality:	NANDURA
City:	NANDURA
11.Area of the project	MUNICIPAL
12.IOD/IOA/Concession/Plan Approval Number	NO IOD/IOA/Concession/Plan Approval Number: NO Approved Built-up Area: 1000
13.Note on the initiated work (If applicable)	SEEDS CLEANING & JOBWORK
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NAGARPALIKA
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.): 300000
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	1530000

22.Number of buildings & its configuration


Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable
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24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	MALKAPUR ROAD
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	SEED CLIEAN	75	75	75


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	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:	Not applicable
	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 :	Not applicable

35.Storm water drainage	Natural water drainage pattern:	Not applicable
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable



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Sewage and Waste water	Sewage generation in KLD:	Not applicable
	STP technology:	Not applicable
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not applicable
	Budgetary allocation (Capital cost):	Not applicable
	Budgetary allocation (O & M cost):	Not applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Not applicable
	Disposal of the construction waste debris:	Not applicable
Waste generation in the operation Phase:	Dry waste:	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:	Not applicable
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:	Not applicable
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 Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			


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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	Not applicable	Not applicable	Not applicable	Not applicable

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

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

43.Green Belt Development	Total RG area :	Not applicable
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	Not applicable
	List of proposed native trees :	Not applicable
	Timeline for completion of plantation :	Not applicable

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

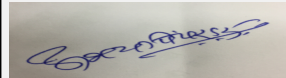

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Not applicable	Not applicable	Not applicable	Not applicable

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 :	17.50
	During Construction Phase: (Demand Load)	20
	DG set as Power back-up during construction phase	3 PHASE
	During Operation phase (Connected load):	Not applicable
	During Operation phase (Demand load):	Not applicable
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	Not applicable
	Fuel used:	Not applicable
	Details of high tension line passing through the plot if any:	Not applicable

48. Energy saving by non-conventional method:

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

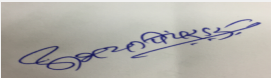
a) Construction phase (with Break-up):

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Not applicable	Not applicable	Not applicable	Not applicable

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


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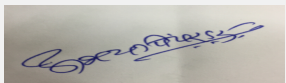
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52. Any Other Information

No Information Available

53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	Not applicable
Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	Not applicable
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	Not applicable
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	Not applicable
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	Not applicable
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable


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	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
Brief information of the project by SEAC		
DECISION OF SEAC		
PP remained absent for the meeting.		
Specific Conditions by SEAC:		
FINAL RECOMMENDATION		
Kindly find SEAC decision above.		

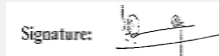
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144 th Meeting of SEAC-1 (Day-1)

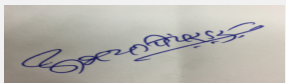
SEAC Meeting number: 144 Meeting Date November 17, 2017

Subject: Environment Clearance for Proposed Expansion of Synthetic Organic Chemicals Manufacturing Facility By M/s Deepak Novochem Technologies Ltd, D-27/3/1 & D-27/2, MIDC Lote Parshuram Dist: Ratnagiri , Maharashtra

1.Name of Project	Proposed Expansion of Synthetic Organic Chemicals Manufacturing Facility By M/s Deepak Novochem Technologies Ltd, D-27/3/1 & D-27/2, MIDC Lote Parshuram Dist: Ratnagiri , Maharashtra
2.Type of institution	Private
3.Name of Project Proponent	M/s Deepak Novochem Technologies Ltd
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion within existing facility
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	D-27/3/1 & D-27/2, MIDC Lote Parshuram
9.Taluka	Khed
10.Village	Lote
Correspondence Name:	Mr. Prasad H. Kamble
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	NA
Locality:	NA
City:	NA
11.Area of the project	Maharashtra Industrial Development Corporation- Lote Parshuram
12.IOD/IOA/Concession/Plan Approval Number	Plot plan approval
	IOD/IOA/Concession/Plan Approval Number: Plot plan approval
	Approved Built-up Area: 9157
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Plot plan approval from MIDC
15.Total Plot Area (sq. m.)	54,033 sq.m.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable
	b) Non FSI area (sq. m.): Not applicable
	c) Total BUA area (sq. m.): 7026.14
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	960000000


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


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23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Minimum 6 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9 m.
29.Existing structure (s) if any	Existing facility: Production plant, Raw material storage, Storage tanks, Thermic Fluid heater, Boiler, Effluent Treatment plant, Admin Bldg, R & D plant, Green belt,
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	Ortho Cresol	2400 TPA	0	2400 TPA
2	D - Novacan	2400 TPA	0	2400 TPA
3	Xylenol (Trimethyl phenol, higher methylated phenol, mix xylenols)	2400 TPA	0	2400 TPA
4	2,6 Xylenol (2,6 Dimethyl phenol)	1200 TPA	0	1200 TPA
5	2,6 Xylidine (2,6 Dimethyl amine)	3000 TPA	0	3000 TPA
6	Ortho methoxy Toluene (OMT)	192 TPA	0	192 TPA
7	Ortho methyl cyclo hexanol acetate	192 TPA	0	192 TPA
8	Bis phenols - TMBPF/ TMBPA	600 TPA	400 TPA	1000 TPA
9	Glycidyl ether (ortho cresol/Phenol /Mix GE)	600 TPA	0	600 TPA
10	HMP ethoxylate (Ethoxylate of higher methylated phenol)	120 TPA	0	120 TPA
11	Tri methyl Hydroquinone	240 TPA	0	240 TPA


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12	Methylated Benzene (Tetra methyl benzene) like tri methyl benzene/ di methyl benzene	0	600 TPA	600 TPA
13	2,6 Dimethyl Cyclohexanone	0	2100 TPA	2100 TPA
14	Methylated Phenol /Benzene like [Cresol (ortho/ meta/ para), 2,6 Xylenol, Xylenol (2,3,6 TMP/ Higher Methylated Phenol/ Mix Xylenol), Tetra methyl benzene, Dimethyl Benzene, Tri methyl benzene]	0	3000 TPA	3000 TPA
15	Bis phenols (Tetra methyl Bisphenol-F, Tetra methyl Bisphenol-A,)	0	5000 TPA	5000 TPA
16	Bis phenols (Dimethyl Bisphenol -A)	0	1200 TPA	1200 TPA
17	Bis phenols (Tetra methyl Bisphenol -S, Dimethyl Bisphenol -C, Bisphenol-E, Bisphenol -Z, Bisphenol -TMC, BIS-OPPFL]	0	600 TPA	600 TPA
18	Bi-phenols (Tetra Methyl Bi phenol, Di Methyl Bi phenol)	0	1200 TPA	1200 TPA
19	Liquor ammonia (By product)	240 KL/A	0	240 KL/A
20	Novalacs (By product)	36 TPA	341 TPA	377 TPA


32.Total Water Requirement

Dry season:	Source of water	MIDC
	Fresh water (CMD):	290 cmd
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	482 cmd
	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	14	24	38	8	5	13	6	19	25
Industrial Process	2.9	23.1	26	0	0	0	2.9 + 13 (Reaction water)	23.1 + 19 (Reaction water)	26 + 32 (Reaction water)
Cooling tower & thermopack	120.6	268.4	389	120	160	280	0.6	108.4	109
Gardening	4	25	29	4	25	29	0	0	0


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	NA
	Size and no of RWH tank(s) and Quantity:	1 No. of 150 cum underground tank & 1 No. of 300 cum underground tank
	Location of the RWH tank(s):	Within plot
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	15 Lakhs
	Budgetary allocation (O & M cost) :	0.5 Lakhs
	Details of UGT tanks if any :	Yes
35.Storm water drainage	Natural water drainage pattern:	NA
	Quantity of storm water:	NA
	Size of SWD:	NA
Sewage and Waste water	Sewage generation in KLD:	25 cmd
	STP technology:	Collection tank > Bar screen > oil & Grease trap > Aeration tank > Tube settler > Activated carbon filter > Sand filter > Disinfection > Final treated water tank
	Capacity of STP (CMD):	1 no. of 25 CMD capacity
	Location & area of the STP:	within plot
	Budgetary allocation (Capital cost):	Refer EMP budget
	Budgetary allocation (O & M cost):	Refer EMP budget
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Minor quantity of Demolition waste
	Disposal of the construction waste debris:	As per rule
Waste generation in the operation Phase:	Dry waste:	Boiler Ash, Wooden scrap, Plastic scrap, MS/SS/Aluminum Scrap, Paper Waste/card board, Used insulation material, Safety helmet, safety goggles, hand gloves
	Wet waste:	Canteen/Kitchen Waste, STP Sludge,
	Hazardous waste:	Used /Spent Oil Waste /oil soaked Cotton, Spent catalyst, Distillation Residue from Methylated Benzene, Distillation Residue from Bisphenols, Distillation residue (from Bi Phenols), Discarded containers/ barrels/ Liners contaminated with Hazardous Waste/ Chemicals, Flue gas cleaning residue, Chemical sludge arising from Effluent Treatment Plant, Spent Carbon or Filter Media, Used Asbestos /Teflon packing's, E waste, Electrical bulbs, Tubes, Electrical cables, Used lead acid batteries, Reagent bo
	Biomedical waste (If applicable):	Biomedical waste
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

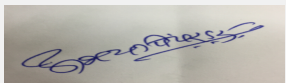
Mode of Disposal of waste:	Dry waste:	As per rule
	Wet waste:	As per rule
	Hazardous waste:	As per CHWTSDF rule 2016
	Biomedical waste (If applicable):	as per rule
	STP Sludge (Dry sludge):	As per rule
	Others if any:	NA
Area requirement:	Location(s):	within plot
	Area for the storage of waste & other material:	within plot
	Area for machinery:	within plot
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	5 lakhs
	O & M cost:	100 Lakhs

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	4-9	6.5-7.2	6.5-7.2
2	COD	mg/L	90,000-95,000	250	< 250
3	BOD	mg/L	25,000-30,000	100	< 100
4	TSS	mg/L	2000-5000	100	< 100
5	TDS	mg/L	5000-7000	2100	< 2100
6	O & G	mg/L	1000-2000	10	< 10
Amount of effluent generation (CMD):		Trade effluent: 167 cmd			
Capacity of the ETP:		200			
Amount of treated effluent recycled :		Trade effluent: 167 cmd & Domestic sewage: 25 cmd			
Amount of water send to the CETP:		Proposed project will maintain Zero Liquid discharge facility.			
Membership of CETP (if require):		Yes.			
Note on ETP technology to be used		Process effluent > Stripper > Settler > Neutralization tank > Toluene extraction > Resin Bed > Collection tank (Utilities & Process effluent) > Filtration > RO Unit > MEE unit > Final treated collection tank > Recycle to Utilities/ Green belt/ plant washing			
Disposal of the ETP sludge		To CHWTSDF			


38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used /Spent Oil	5.1	TPA	0	4	4	Approved Oil Re processor
2	Waste /oil soaked Cotton	5.2	TPA	0	1.5	1.5	Sale to registered reprocessor
3	Spent catalyst	18.1	TPA	20	15	35	to CHWTSDF
4	Distillation Residue from Methylated Benzene	20.3	TPA	0	514	514	to CHWTSDF


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5	Distillation Residue from Bisphenols	20.3	TPA	0	122	122	to CHWTSDF
6	Distillation residue (from Bi Phenols)	20.3	TPA	0	197	197	to CHWTSDF
7	Discarded containers/ barrels/ Liners contaminated with Hazardous waste chemicals	33.1	No./A	0	10,000	10,000	MPCB Approved Scrap Dealer
8	Flue gas cleaning residue	35.1	TPA	0	2	2	to CHWTSDF
9	Chemical sludge arising from Effluent Treatment Plant	35.3	TPA	0	100	100	to CHWTSDF
10	Spent Carbon or Filter Media	36.2	TPA	0	4	4	to CHWTSDF
11	Used Asbestos /Teflon packing's	B-1	TPA	0	4	4	to CHWTSDF
12	E waste, Electrical bulbs, Tubes, Electrical cables	NA	TPA	0	2	2	Sent to approved reprocessor/Agency
13	Used lead acid batteries	NA	Nos./A	0	100	100	By back / Sent Approved Dealer
14	Biomedical waste from OHC	NA	Kg/A	0	5	5	Disposal MPCB approved agency
15	Reagent bottles	NA	Nos./A	0	500	500	Sale to Autorised Agency.

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	30 Lac kcal/hr capacity Thermic fluid heater	Briquette: 24 TPD	4	35	1.0	142
2	Thermic Fluid Heater (6 Lac kcal/hr, 10 Lac Kcal/Hr, 10 Lac Kcal/Hr, 15 Lac Kcal/Hr), Baby Boiler (2 Nos. of 850 Kg/Hr)	Furnace Oil: 12.03 TPD OR Natural Gas: 4605 Nm3/Day	1	44 (Common stack)	0.75	173
3	35 lac kcal/hr Thermic fluid heater	Natural Gas: 9,840 Nm3/Day	7	42	0.6	150
4	5 T/hr capacity Steam Boiler	Furnace Oil: 7.30 TPD OR Natural Gas: 8140 Nm3/day	8	40	0.6	160
5	500 KVA DG sets	HSD: 100 Lit/hr	2	4.5	as per statutory requirement	150
6	500 KVA DG sets (replace with 320 KVA)	HSD: 100 Lit/hr	3	4.5	as per statutory requirement	150
7	500 KVA DG sets	HSD: 100 Lit/hr	9	4.5	as per statutory requirement	150


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8	Ammonia Scrubber of Xylidine plant	NA	5	25	as per statutory requirement	ambient temp.
9	Ammonia Scrubber of Novocan plant	NA	6	25	as per statutory requirement	ambient temp.
10	2,6 Dimethyl cyclohexanone (Hydrogenation)	NA	10	25	as per statutory requirement	ambient temp.
11	Methylated Benzene Plant	NA	11	25	as per statutory requirement	ambient temp.
12	MEE Stack	NA	12	25	as per statutory requirement	ambient temp.
13	Methylated Phenol/ Benzene plant	NA	13	25	as per statutory requirement	ambient temp.
14	Bis /Bi phenol Plant	NA	14	25	as per statutory requirement	ambient temp.

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	100 Lit/Hr	200 Lit/Hr	300 Lit/Hr
2	Furnace oil	7.9 TPD	11.43 TPD	19.33 TPD
3	Briquette	24 TPD	0	24 TPD
4	Natural Gas	0	22,585 Nm3/day	22,585 Nm3/day
41.Source of Fuel		From nearby source		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	Total RG area :	Green Belt Area within plot: 13,391.15 sq.m, Green Belt Area outside plot: 2166.62 sq.m
	No of trees to be cut :	Not applicable
	Number of trees to be planted :	as per green belt area
	List of proposed native trees :	0
	Timeline for completion of plantation :	as pe project completion 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	NA	NA	NA	NA

45.Total quantity of plants on ground


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

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


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47. Energy

Power requirement:	Source of power supply :	from MSEDCL
	During Construction Phase: (Demand Load)	750 KVA for expansion
	DG set as Power back-up during construction phase	Existing 350 KVA DG set will be replaced with 500 KVA DG set. Total 3 nos. of 500 KVA DG set will be available.
	During Operation phase (Connected load):	750 KVA for expansion
	During Operation phase (Demand load):	750 KVA for expansion
	Transformer:	NA
	DG set as Power back-up during operation phase:	Existing 350 KVA DG set will be replaced with 500 KVA DG set. Total 3 nos. of 500 KVA DG set will be available.
	Fuel used:	HSD: 300 Lit/Hr
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

solar panels will be installed on Admin building roof top.


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
From Fuel burning sources	Multi-cyclone dust collector, Adequate stack height	Adequate stack height
From Process emission	Process scrubber	Process scrubber, Seal pot
Effluent from utilities & process, Domestic sewage	Effluent treatment plant, Soak pit	Effluent treatment plant, RO, MEE, Sewage treatment plant
Hazardous waste from process operations	to CHWTSDF, Authorized recyclers	to CHWTSDF, Authorized recyclers

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	10 lakhs
	O & M cost:	0.5 lakhs



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51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):


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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	Process scrubber, Adequate stack	5	2
2	Environment Monitoring	Environment Monitoring	5	2
3	Water Pollution Control	ETP, RO, MEE, STP	250	25
4	Hazardous waste & Solid waste management	Hazardous waste disposal	5	100
5	Green Belt Development	Green Belt Development	25	5
6	Occupational Health & Safety	Occupational Health & Safety	200	50
7	Green Initiatives	Rain Water Harvesting	15	0.5
8	Green Initiatives	Solar Power	10	0.5
9	Green Initiatives	Energy Conservation (LED)	0	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
O-cresol	Existing	within plot	20 KL	20 KL	as per requirement	from nearby source	from nearby source
Phenol	2 No. of Existing	within plot	80 KL	80 KL	as per requirement	from nearby source	from nearby source
Methanol	Existing	within plot	80 KL	80 KL	as per requirement	from nearby source	from nearby source
Acetonitrile	Existing	within plot	15 KL	15 KL	as per requirement	from nearby source	from nearby source
NaOH	Existing	within plot	20 KL	20 KL	as per requirement	from nearby source	from nearby source
Liq NH3	Existing	within plot	20 KL	20 KL	as per requirement	from nearby source	from nearby source



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Furnace Oil	Existing	within plot	60 KL	60 KL	as per requirement	from nearby source	from nearby source
2, 6 DMCHnone	2 Nos. of Existing	within plot	80 KL	80 KL	as per requirement	from nearby source	from nearby source
2,6 Xylidine	2 Nos. of Existing	within plot	80 KL	80 KL	as per requirement	from nearby source	from nearby source
M-Cresol	2 Nos. of Existing	within plot	80 KL	80 KL	as per requirement	from nearby source	from nearby source
Mix Xylenol	Existing	within plot	65 KL	65 KL	as per requirement	from nearby source	from nearby source
Acetic Acid	Existing	within plot	80 KL	80 KL	as per requirement	from nearby source	from nearby source
Toluene	Proposed	within plot	25 KL	25 KL	as per requirement	from nearby source	from nearby source
Acetone	Proposed	within plot	25 KL	25 KL	as per requirement	from nearby source	from nearby source
Benzene	Proposed	within plot	25 KL	25 KL	as per requirement	from nearby source	from nearby source
Methanol	Proposed	within plot	50 KL	50 KL	as per requirement	from nearby source	from nearby source
2,6 Xylenol	Proposed	within plot	80 KL	80 KL	as per requirement	from nearby source	from nearby source
Hydrogen cylinder Trolley	Proposed	within plot	300 cylinder trolley	300 cylinder trolley	as per requirement	from nearby source	from nearby source
Hydrogen Cylinder	Proposed	within plot	100 KL	100 KL	as per requirement	from nearby source	from nearby source
Ammonia Tonner (400 kg each)	15 Nos. Proposed	within plot	0	0	as per requirement	from nearby source	from nearby source
Dry HCl Tonner (600 kgs each)	6 Nos. Proposed	within plot	0	0	as per requirement	from nearby source	from nearby source
Dry HCL Cylinder (32 kgs each)	72 Nos. Proposed	within plot	0	0	as per requirement	from nearby source	from nearby source
O-cresol	Proposed	within plot	20 KL	20 KL	as per requirement	from nearby source	from nearby source
Phenol	Proposed	within plot	80 KL	80 KL	as per requirement	from nearby source	from nearby source
Sulphuric acid	Proposed	within plot	15 KL	15 KL	as per requirement	from nearby source	from nearby source
Acetone	Proposed	within plot	20 KL	20 KL	as per requirement	from nearby source	from nearby source


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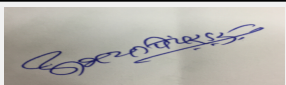
Methanol	Proposed	within plot	80 KL	80 KL	as per requirement	from nearby source	from nearby source
Toluene	Proposed	within plot	80 KL	80 KL	as per requirement	from nearby source	from nearby source
6 T-Butyl 2 methyl phenol	Proposed	within plot	20 KL	20 KL	as per requirement	from nearby source	from nearby source
3,3,5 Trichlorohexanone	Proposed	within plot	15 KL	15 KL	as per requirement	from nearby source	from nearby source
Furnace oil	Proposed	within plot	60 KL	60 KL	as per requirement	from nearby source	from nearby source
2,6 Xylenol	Proposed	within plot	80 KL	80 KL	as per requirement	from nearby source	from nearby source

52. Any Other Information

No Information Available


53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	3,412 sq.m.
	Area per car:	as per norms
	Area per car:	as per norms
	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):	Minimum 6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable


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(Chairman SEAC-I)**

	Category as per schedule of EIA Notification sheet	5(f)- B Synthetic Organic chemical manufacturing facility
	Court cases pending if any	Not applicable
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	01-01-1900

Brief information of the project by SEAC

DECISION OF SEAC

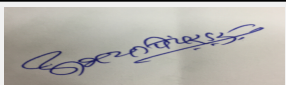
PP submitted letter for grant of leave of absensee and requested to consider in next meeting. In viewof request received from the PP, SEAC decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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


SEAC-AGENDA-000000040



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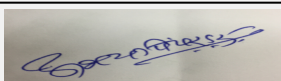
Subject: Environment Clearance for Proposed new project of manufacturing of Synthetic Organic Chemicals at plot no. N-21, additional MIDC, Ambernath, Taluka: Thane, District: Thane, State: Maharashtra

1.Name of Project	New project of Manufacturing of Synthetic Organic Chemicals at Plot No. N-21, Additional MIDC, Ambernath, Taluka: Thane, District: Thane, State: Maharashtra
2.Type of institution	Private
3.Name of Project Proponent	Hindustan Monomers Private Limited
4.Name of Consultant	Goldfinch Engineering Systems Private Limited
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No. N-21, Additional MIDC, Ambernath
9.Taluka	Thane
10.Village	Ambernath
Correspondence Name:	Mr. Hemant R. Bandodkar
Room Number:	P-63
Floor:	NA
Building Name:	NA
Road/Street Name:	Road No.21
Locality:	Milap Nagar
City:	Dombivli (E)
11.Area of the project	Additional MIDC, Ambernath
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 716
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.)	4500 m ²
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.): 00
19.Total ground coverage (m ²)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	200000000

22.Number of buildings & its configuration

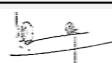
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Not applicable	Not applicable	Not applicable

23.Number of tenants and shops	Not applicable
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24. Number of expected residents / users	Not applicable
25. Tenant density per hectare	Not applicable
26. Height of the building(s)	
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))	6 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	4,4' - Di Chloro Diphenyl Sulfone (DCDPS)	--	--	--
2	4,4' - Di hydroxyl Diphenyl Sulfone (44 BPS)	--	--	--
3	2,4' - Di hydroxyl Diphenyl Sulfone (24 BPS)	--	--	--
4	4,4' - Di amino Diphenyl ether (ODA)	--	--	--
5	3,3' - Di sulfonate Di Chloro di phenyl Sulfone Sodium Salt (DCDPS Sulfone)	--	--	--
6	Potassium Salt of Diphenyl Sulfone (KSS)	--	--	--
7	Note: Combine production capacity of all products will be limited to 500 TPM only.	00	500	500
8	Total	--	500	500
9	By-product	--	--	--
10	Dilute Sulphuric Acid (50%)	00	700	700


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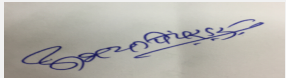
Signature: 
Name: Dr. Umakant Dangat
**Dr. Umakant Dangat
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32.Total Water Requirement

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	06	06	00	1.5	1.5	00	4.5	4.5
Industrial Process	00	65	65	00	15	15	00	50	50
Cooling tower & thermopack	00	96.5	96.5	00	86.5 (25 steam condensate recycle)	86.5 (25 steam condensate recycle)	00	10	10


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Gardening	00	7.5	7.5	00	7.5	7.5	00	00	00
Fresh water requirement	00	175	175	00	110.5	110.5	00	64.5	64.5

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	5 to 8 m
	Size and no of RWH tank(s) and Quantity:	1 tank of 20 m ³
	Location of the RWH tank(s):	Near plant 'C'
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Not applicable as collected water will be reused
	Budgetary allocation (Capital cost) :	5 lac
	Budgetary allocation (O & M cost) :	Rs. 80000 /annum
	Details of UGT tanks if any :	1 fire water tank, 1 rain water harvesting tank and 1 spill collection tank. All underground tanks are available near Plant 'C'

35.Storm water drainage	Natural water drainage pattern:	Provided by MIDC
	Quantity of storm water:	Not applicable
	Size of SWD:	Not applicable

Sewage and Waste water	Sewage generation in KLD:	4.5
	STP technology:	Not Applicable
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Debris
	Disposal of the construction waste debris:	Debris will use for land filling
Waste generation in the operation Phase:	Dry waste:	Discarded drums and containers = 250 nos./annum
	Wet waste:	Spent Carbon from ETP = 34 TPA, Chemical Sludge from waste water treatment = 13 TPA, MEE Solids = 2700 TPA, Filters and Filter Material which have organics = 0.2 TPA
	Hazardous waste:	1) Spent Carbon from ETP = 34 TPA, 2) Chemical Sludge from waste water treatment = 13 TPA, 3) MEE Solids = 2700 TPA, 4) Filters and Filter Material which have organics = 0.2 TPA, 5) Discarded drums and containers = 250 nos./annum
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable

Mode of Disposal of waste:	Dry waste:	MPCB authorised party for reuse
	Wet waste:	MWML Talaja
	Hazardous waste:	MWML Talaja
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	Location(s):	Plant Area, Raw material storage area, Finished Goods storage, Office Building, Utility area, Parking area, Hazardous waste storage, Open space & internal roads, ETP, Green belt area
	Area for the storage of waste & other material:	9 m ²
	Area for machinery:	716 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 20 Cr.
	O & M cost:	Rs. 0.9 Cr.


37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	6 - 7	7 - 8	5.5 - 9
2	BOD ₃ , 27°C	mg/L	1300 - 1600	50 - 100	<100
3	COD	mg/L	3100 - 3700	50 - 100	<250
4	TDS	mg/L	50 - 100	10 - 50	<2100
5	TSS	mg/L	50 - 100	50 - 100	<100
Amount of effluent generation (CMD):		102 CMD			
Capacity of the ETP:		120 CMD			
Amount of treated effluent recycled :		105 CMD			
Amount of water send to the CETP:		Not Applicable, as It will be Zero Liquid Discharge (ZLD) Unit			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		MEE, ETP & RO			
Disposal of the ETP sludge		MWML Talaja			

38. Hazardous Waste Details


Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Chemical Sludge from waste water treatment	34.3	TPA	NA	13	13	CHWTSDF
2	MEE Solids	34.3	TPA	NA	2700	2700	CHWTSDF
3	Filters and Filter Material which have organics	35.1	TPA	NA	0.2	0.2	CHWTSDF
4	Spent Carbon from ETP	35.3	TPA	NA	34	34	CHWTSDF
5	Discarded drums and containers	33.3	Nos./annum	NA	250 nos.	250 nos.	MPCB authorised party for reuse

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 (3 TPH)	FO, 242 kg/hr.	stack no. 1, combined stack for Boiler and Thermopack	40	0.4	160° C
2	Thermopack (4,00,000 kcal/hr.)	FO, 50 kg/hr.	stack no. 1, combined stack for Boiler and Thermopack	40	0.4	160° C
3	D G Set	HSD	stack no. 2	5	0.15	150° C


40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Furnace Oil	Not Applicable	292 Kg/hr.	292 Kg/hr.
2	HSD	Not Applicable	135 Lit./hr.	135 Lit./hr.
41.Source of Fuel		Local		
42.Mode of Transportation of fuel to site		By road		

43.Green Belt Development	Total RG area :	1484 m2
	No of trees to be cut :	Trees are not available at project side
	Number of trees to be planted :	220 nos.
	List of proposed native trees :	Terminalia arjuna (Arjun), Bauhinia racemosa (Apta), Ficus benghalensis (Vad), Ficus religiosa (Pimpal), Polyalthia longifolia (Ashok), Azadirachta indica (Kaduneem), Cassia fistula (Bahava), Neolamarckia cadamba (Kadamb), Terminalia tomentosa (Ain), Lagerstroemia speciosa (Taman), Bougainvillea spectabilis (Bouganvel), Lantana camara (Ghaneri), Calatropis gigantea (Rui), Hibiscus rosasinensis (Jaswand), Nerium indicum (Kanher)
	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	10	Pollution resistant and Native
2	Bauhinia racemosa	Apta	10	Pollution resistant and Native
3	Ficus benghalensis	Vad	15	Pollution resistant and Native
4	Ficus religiosa	Pimpal	10	Pollution resistant and Native
5	Polyalthia longifolia	Ashok	40	Pollution resistant and Native
6	Azadirachta indica	Kaduneem	10	Pollution resistant and Native
7	Cassia fistula	Bahava	15	Pollution resistant and Native
8	Neolamarckia cadamba	Kadamb	20	Pollution resistant and Native
9	Terminalia tomentosa	Ain	10	Pollution resistant and Native


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10	Lagerstroemia speciosa	Taman	10	Pollution resistant and Native
11	Bougainvillea spectabilis	Bouganvel	10	Pollution resistant and Native
12	Lantana camara	Ghaneri	20	Pollution resistant and Native
13	Calatropisgigentia	Rui	10	Pollution resistant and Native
14	Hibiscus rosasinensis	Jaswand	20	Pollution resistant and Native
15	Neriumindicum	Kanher	10	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	Not Applicable
	During Operation phase (Connected load):	500 KW
	During Operation phase (Demand load):	450 KW
	Transformer:	500 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:	Not applicable, No high tension line passing through the plot

48.Energy saving by non-conventional method:


NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	--	Stack of adequate height
Water	--	MEE, ETP & RO
Noise	--	Acoustic enclosure for DG set


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Solid Waste	--	Disposal to MWML, Talaja
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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	Dust	Air Pollution	0.1
2	Debris	Solid Waste	0.1
3	Construction motor	Noise Pollution	0.1

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	Provision of stacks of height as recommended by CPCB, Vent Scrubber for Sulphonation	51	2.60
2	Water pollution control	MEE, ETP & RO operation cost, Rain water harvesting	355	43.28
3	Noise pollution Control	Acoustic enclosure/ Ant vibration pads	0.80	0.10
4	Environment Monitoring budget	Environment Monitoring	--	6.88
5	Occupational health care	Medical checkup, Health insurance policy, Medical staff charges, First aid facilities consumables, Control of fugitive emissions	2	4
6	Hazardous waste Storage & disposal	Storage, Transportation and disposal	3	10.25
7	Green belt	Development & Maintenance	4.50	2.40


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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Chlorobenzene	Liquid	Tank	100	100	540	Local	Road
Dimethyl sulfate	Liquid	Tank	20	20	240	Local	Road
Sulfur trioxide	Liquid	Tank	14	14	420	Local	Road


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Caustic soda lye 100%	Liquid	Tank	20	20	100	Local	Road
Sulfuric acid	Liquid	Tank	20	20	63	Local	Road
BPS	Solid	Store	15	15	84	Local	Road
p-nitrochlorobenzene	Solid	Store	10	10	33	Local	Road
p-nitrophenol	Solid	Store	10	10	45	Local	Road
Potassium carbonate	Solid	Store	5	5	20.4	Local	Road
DMSO	Liquid	Tank	10	10	58.8	Local	Road
Methyl Cellosolve	Liquid	Tank	10	10	199.8	Local	Road
Diphenyl sulfone (DPS)	Solid	Store	7	7	39	Local	Road
Caustic Potash 100%	Solid	Store	5	5	18	Local	Road
Hydrogen	Gas	Shed	Cylinder trolley 1 no.	Cylinder trolley 1 no.	5	Local	Road
IPA	Liquid	Tank	8	8	1.5	Local	Road

52. Any Other Information

No Information Available


53. Traffic Management

	Nos. of the junction to the main road & design of confluence:	NA
Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	540 m ²
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	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


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	Category as per schedule of EIA Notification sheet	5(f) B1
	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	04-10-2016

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in the 137th meeting of SEAC-1 held on 14th to 18th October, 2016 wherein TOR was granted.

Now PP submitted EIA/EMP report for appraisal.

The proposal is appraised in the light of order passed by Hon'ble National Green Tribunal on 01.05.2017 in the matter OA No. 3/2017 (WZ) MPCB Vs Union of India & Ors. In the said order Hon'ble NGT, Pune states as below,

"Liberty is granted to the Maharashtra Pollution Control Board to consider the proposals of the industries in terms of the modified directions of Central Pollution Control Board vide letter dated 31st March, 2016 in accordance with law."

In view of above as PP proposes Zero Liquid Discharge SEAC-1 decided to appraise the proposal.

This decision of the Committee will be subject to any Order passed by Hon'ble NGT with reference to CETP at Additional Ambernath.

DECISION OF SEAC

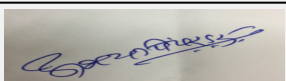
After detailed deliberations with the PP and his accredited consultant SEAC - 1 decided to defer the proposal till PP submits compliance of following points,

Specific Conditions by SEAC:

- 1) PP to submit revised layout plan showing correct area statement.
- 2) PP to submit water consent obtained from MIDC.
- 3) PP to achieve solvent recovery in the range of 99%. PP to submit design calculations of Solvent Recovery Plant.
- 4) PP to explore possibility of use of solar energy for office buildings and street lights.
- 5) PP to provide lightening arrestor.
- 6) No fresh water shall be used for gardening as proposed project is a Zero Liquid Discharge.

FINAL RECOMMENDATION

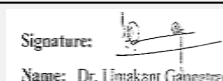
SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

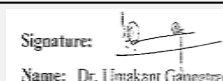


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**Dr. Umakant Dangat
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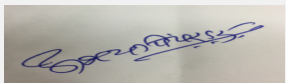
SEAC Meeting number: 144 Meeting Date November 17, 2017

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

1.Name of Project	Manufacturing and Supply of Synthetic Coal Tar Dyes, Lakes & Pigments For Food, Drug, Cosmetics, Personal Care and Ink Industries, Natural Colours & Chemicals
2.Type of institution	Private
3.Name of Project Proponent	M/s. Neelikon Food Dyes & Chemicals Ltd.
4.Name of Consultant	M/s. Green Circle, Inc.
5.Type of project	It is Industrial Project saturated at MIDC Dhatav
6.New project/expansion in existing project/modernization/diversification in existing project	Proposed Expansion Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	At the time of Establishment of the existing unit in the year 2002, Environmental Clearance was not Pre- requisite for the Manufacturing & Supply of Food Colours. Hence CTO (Consent to Operate) was obtained from MPCB (Consent No. BO/TB/Raigad - 114/CC - 716 dated 03.08.2002) for establishment & operation of the plant.
8.Location of the project	Plot no. 17, Unit no. II, MIDC Dhatav-Roha, Taluka- Roha, District- Raigad, Maharashtra.
9.Taluka	Roha
10.Village	Dhatav
Correspondence Name:	Plot no. 17, Unit no. II, MIDC Dhatav-Roha, Taluka- Roha, District- Raigad, Maharashtra.
Room Number:	Not Applicable
Floor:	Not Applicable
Building Name:	Not Applicable
Road/Street Name:	Not Applicable
Locality:	Roha
City:	Roha
11.Area of the project	Maharashtra Industrial Development Corporation (MIDC) Dhatav-Roha
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: PLN/SNK/R-200/2193/2013 DATED -12/11/2013
	Approved Built-up Area: 6457.35
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.)	39569 sq. m
16.Deductions	Not Applicable
17.Net Plot area	Not Applicable
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not Applicable
	b) Non FSI area (sq. m.): Not Applicable
	c) Total BUA area (sq. m.): 6457.35
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	970700000


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


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23.Number of tenants and shops	Not Applicable
24.Number of expected residents / users	Not Applicable
25.Tenant density per hectare	Not Applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	8 meters
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 meters
29.Existing structure (s) if any	Existing industry (as per CTO)
30.Details of the demolition with disposal (If applicable)	The proposed project site area is an existing manufacturing industry. Some part of existing structures has to be demolished in 2820 sq.meter area and site preparation shall involve clearing of shrubs and vegetation.


31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Synthetic coal tar dyes or Azo colours for Food, Drug, Cosmetics ,Personal Care, Ink and Industrial application	60	140	200
2	Aluminium Lakes for Food, Drug, Cosmetics ,Personal Care, Ink and Industrial application	50	100	150
3	D&C Lakes for Drug, Cosmetics ,Personal Care, Ink and Industrial application	05	45	50
4	Quinoline/Quinoline Yellow /D&C yellow 10 for Food, Drug, Cosmetics ,Personal Care, Ink and Industrial application	10	10	20
5	Pyrene/Solvent Green 7/ SAPT4 for Drug, Cosmetics ,Personal Care, Ink and Industrial application	04	06	10
6	Qumarin/D&C Violet 2/Ext D&C Violet 2 for Drug, Cosmetics ,Personal Care, Ink and Industrial application	01	09	10
7	Tri-Phenol Methyl/ Brilliant Blue FCF/Fast Green FCF/Patent Blue v/Green S for Food, Drug, Cosmetics ,Personal Care, Ink and Industrial application	00	50	50
8	Dispersions of Water/Sugar/Oil for Food, Drug, Cosmetics ,Personal Care, Ink and Industrial application	00	30	30
9	Salt Free Dyes for Specialty Ink application	00	10	10
10	Indigo/Indigo Carmine for Food, Drug, Cosmetics ,Personal Care, Ink and Industrial application (Job Work)	00	10	10
11	Xanthene/ Erythrosine/Phloxine/ Eosine/Uranine for Food, Drug, Cosmetics ,Personal Care, Ink and Industrial application (Job Work)	00	10	10


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12	Synthetic coal tar dyes or Azo colours for Food, Drug, Cosmetics ,Personal Care, Ink and Industrial application (Job Work)	00	200	200
13	Xanthene/Erythrosine/Phloxine/Eosine/Uranine for Food, Drug, Cosmetics ,Personal Care, Ink and Industrial application (Out Source)	00	10	10
14	Organic Pigments for Drug, Cosmetics ,Personal Care, Ink and Industrial application (Out Source)	00	10	10
15	In-Organic Pigments for Drug, Cosmetics ,Personal Care, Ink and Industrial application (Out Source)	00	50	50
16	Natural colours for Food, Drug, Cosmetics ,Personal Care, Ink and Industrial application (Out Source)	00	10	10
17	Mixture of above	Above in any combination	Above in any combination	Above in any combination
18	Excess Capacity	20	00	20


32.Total Water Requirement

Dry season:	Source of water	MIDC water supply
	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	MIDC water supply
	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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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	55	145	200	5.5	14.5	20	49.5	130.5	180
Industrial Process	150	488	638	30	98	128	120	390	510
Cooling tower & thermopack	310	582	892	43.2	100.8	144	266.8	481.2	748
Gardening	05	15	20	05	15	20	0	0	0
34.Rain Water Harvesting (RWH)	Level of the Ground water table:		Pre-monsoon: 0.95to 7.70 m bgl & Post-monsoon: 1.10 to 4.05 m bgl						
	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) :		Rs. 25 lakhs						
	Budgetary allocation (O & M cost) :		Rs. 0.25 Lakhs						
	Details of UGT tanks if any :		500 Mtr3 X 2 Nos. for water storage						
35.Storm water drainage	Natural water drainage pattern:		Strom water drainage						
	Quantity of storm water:		0.145 m3 per sec						
	Size of SWD:		8 inch dia.						


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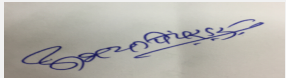
Sewage and Waste water	Sewage generation in KLD:	180 KLD (Existing: 49.5 KLD & Proposed: 130.5)
	STP technology:	Domestic waste water will be treated in ETP
	Capacity of STP (CMD):	Not applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction debris, Waste concrete, metallic waste, plastics, broken bricks etc.
	Disposal of the construction waste debris:	Construction debris, Waste concrete and broken bricks will be utilized in low-land leveling, secondary concrete, below roads. Some quantity of Excavation soil will be use for back-filling and remaining will be hand over to authorized vendor.
Waste generation in the operation Phase:	Dry waste:	Lime sludge of PTSA, Lead sludge of TPM, Plastic Scrap 3rd Quality, Scrap Plastic & M S Drums Capacity 35 Ltr To 50 Ltrs 2nd Quality, Scrap HDPE & LDPE Bags, Scrap Rubber, Charcoal, Coal Ash
	Wet waste:	Hazardous wet Waste like ETP Sludge
	Hazardous waste:	ETP Sludge, Process Sludge of MnO2 from TPM, Process Sludge of Lime from Quinoline, Spent Oil, Glass Wool, Glass , Hyflo/Silica
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Mode of Disposal of waste:	Dry waste:	To authorized vendor for further processing/use
	Wet waste:	To Mumbai Waste Management, Taloja
	Hazardous waste:	To Mumbai Waste Management, Taloja
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Not applicable
	Others if any:	Not Applicable
Area requirement:	Location(s):	Near to Plant B
	Area for the storage of waste & other material:	Existing: 106.8 sq. m + Proposed 217.75 sq. m = Total 327.55 sq.m.
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 216 Lakhs
	O & M cost:	Rs. 1 Lakhs


37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	6.5	7.5	6.5 to 7.5
2	BOD	mg/l	391	221	100


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3	COD	mg/l	1308	677	250
4	TSS	mg/l	631	390	100
5	TDS	mg/l	8198	7788	2100
Amount of effluent generation (CMD):		1438			
Capacity of the ETP:		Existing ETP Capacity: 500 KLD and it is proposed to be expanded to 1500 KLD capacity.			
Amount of treated effluent recycled :		Not Applicable			
Amount of water send to the CETP:		1438 KLD			
Membership of CETP (if require):		Yes			
Note on ETP technology to be used		The ETP is comprised of primary, secondary & tertiary treatment unit's viz. equalization tank, Lamella, aeration tank, Clariflocculator, Neutche, Sand filter, Carbon filter			
Disposal of the ETP sludge		Sent to Mumbai Waste Management, Talaja			

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	ETP Sludge	26.2	Mt/ Month	50	150	200	Send to Mumbai Waste Management, Talaja
2	Process Sludge of MnO2 from TPM	26.1	Mt/ Month	0	50	50	Send to Mumbai Waste Management, Talaja
3	Process Sludge of Lime from Quinoline	26.1	Mt/ Month	40	40	80	Send to Mumbai Waste Management, Talaja
4	Spent Oil	5.1	Mt/ Month	0	0.5	0.5	Send to Mumbai Waste Management, Talaja
5	Glass Wool	--	Mt/ Month	0	0.2	0.2	Send to Mumbai Waste Management, Talaja
6	Glass	--	Mt/ Month	0	0.2	0.2	Send to Mumbai Waste Management, Talaja
7	Hyflow/Silica	--	Mt/ Month	0	0.5	0.5	Send to Mumbai Waste Management, Talaja


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 No.1 (Existing) X 5TPH	Coal/10T per day	1	30	0.5	90-110 (0C)
2	Boiler No. 2 (Proposed) X 5TPH	Coal/10T per day	1	30	0.5	90-110 (0C)
3	Boiler No. 3 (Proposed) X 5TPH	Coal/10T per day	1	30	0.5	90-110 (0C)
4	D.G. Set No. 1 (Existing) X 750 KVA	Diesel/ 50 L per day	1	5 m above roof	0.2	60-80 (0C)


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5	D.G. Set No. 2 (Proposed) X 750 KVA	Diesel/ 50 L per day	1	5 m above roof	0.2	60-80 (0C)
6	HAG No 1 (Existing) X 14000 CFM	Coal/ 5 T per day	1	20	0.5	90-110 (0C)
7	HAG No. 2 (Proposed) X 14000 CFM	Coal/ 5 T per day	1	20	0.5	90-110 (0C)
8	HAG No. 3 (Proposed) X 14000 CFM	Coal/ 5 T per day	1	20	0.5	90-110 (0C)


40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total	
1	Coal	15 T per day	30 T per day	45 T per day	
2	Diesel	50 L per day	50 L per day	100 L per day	
41.Source of Fuel		Local Market			
42.Mode of Transportation of fuel to site		Road Transport			

43.Green Belt Development	Total RG area :	5541.51 Sq m
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	83
	List of proposed native trees :	Neem, Ashoka, Pipal etc.
	Timeline for completion of plantation :	3 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	Syzygium cumini	Jamun	3	Fruit, fodder, poles, timber, fuel, medicinal (flowers fruits)
2	Psidium guajava	Guava	3	Guava (Psidium guajava Linn.) commonly known for its food and nutritional values throughout the world.
3	mangifera Indica	Mango	7	Fruit, timber, medicine.
4	Prunus dulcis	Badam	9	Small to medium sized tree with a spreading, open canopy, usually 10-15 feet in commercial orchards.
5	Artocarpus heterophyllus	Jackfruit	1	The flesh of the jackfruit is starchy and fibrous and is a source of dietary fiber.
6	Aladirachta indica	Neem	6	Semi-evergreen tree with medicinal value
7	Saraca asoca	Ashoka	94	It is small evergreen tree. Leaves paripinnate, stipules intra-petioler, united, and leaflets 4-6 pairs, oblong, lanceolate, glabrous.
8	Casuarina equisetifolia	Casuarina	7	The Casuarina is a deciduous tree with a soft, wispy, pine-like appearance that can grow to 100 feet or more in height.


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9	Leucaena leucocephala	Subabul	4	Subabul is a popular farm forestry tree in the coastal areas of Andhra Pradesh. It is one of the fast growing hardy evergreen species.
10	Launaea procumbens	Jangli	47	Yellow flowers in heads which are solitary or a few together along the branches.
11	Moringa oleifera	Drumstick	1	Fruit, fodder, hand paper
12	Banyan tree	Banyan tree	2	A very large, evergreen tree grows up to 20 m tall with spreading branches and many pillarlike aerial, prop roots.
13	Ficus religiosa	Pipal	1	Avenue trees, fuel, fodder
14	Thevetia peruviana	Kaner	50	This plant is native of Central & South America, but now frequently grown throughout the tropical and sub-tropical regions.
15	Hibiscus	Jaswand	10	The plants of this family are unique in that they have root nodules which contain nitrogen fixing symbiotic bacteria. Thus the products of these plants are the rich source of proteins.
16	Eucalyptus	Nilgiri	1	Tall evergreen tree with smooth and greyish bark, bark exfoliates in plates or strips.
17	Carica papaya	Papaya	17	Papaya (Carica papaya) is a tropical fruit having commercial importance because of its high nutritive and medicinal value.
18	Millettia pinnata	Karanja	46	Karanja is a medium-sized evergreen or briefly deciduous tree, usually about 8 m high but that can grow to 15-25 m

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 :	MSEDCL
	During Construction Phase: (Demand Load)	Existing facility will be utilized
	DG set as Power back-up during construction phase	Existing facility will be utilized
	During Operation phase (Connected load):	1736 KVA (Existing: 736 KVA & Proposed: 1000 KVA)
	During Operation phase (Demand load):	1736 KVA (Existing: 736 KVA & Proposed: 1000 KVA)
	Transformer:	-
	DG set as Power back-up during operation phase:	1500 KVA (Existing: 750 KVA & Proposed: 750 KVA)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not Applicable

48. Energy saving by non-conventional method:


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

49. Detail calculations & % of saving:

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


50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air emission	Cyclone with wet Scrubber, Sufficient Stack height, Sufficient Stack height with Scrubber	Cyclone with Bag Filter, Sufficient Stack height with Scrubber
Wastewater - Domestic use, process, boiler blowdown, cooling tower blowdown, washing	ETP: 500 KLD	Existing ETP Capacity: 500 KLD and it is proposed to be expanded to 1500 KLD capacity.


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Noise - Process area, Utility area, ETP area	The Boiler would be kept in an isolated area with proper acoustic treatment to have the ambient noise level as per CPCB standards. The workers would be provided with proper personal protective equipment (PPE) such as ear plugs, ear muffs etc. The DG sets would be enclosed in canopy as well as silencer.	The Boiler would be kept in an isolated area with proper acoustic treatment to have the ambient noise level as per CPCB standards. The workers would be provided with proper personal protective equipment (PPE) such as ear plugs, ear muffs etc. The DG sets would be enclosed in canopy as well as silencer.
Solid Waste	Sale/ Recycle/ disposal to Mumbai Waste Management, Talaja	Sale/ Recycle/ disposal to Mumbai Waste Management, Talaja

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):


Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Dust suppression	1.0
2	Green area	Green Belt development	1.0
3	Solid waste	Solid waste management facility	1.0
4	Air, water, noise	Environment Monitoring	0.5
5	Health & safety	Occupational Health	0.5

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, water, noise	Pollution Control Measures	12	6
2	Solid /Hazardous waste	Solid Waste Management	216	12
3	Air, water, noise	Environment Monitoring & Management	35	12
4	Rain Water Harvesting	Rain Water Harvesting	25	0.25
5	Green area	Green Belt	16	3
6	Health & safety	Occupational Health & Safety	10	-
7	Wastewater	ETP & STP	600	12


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
HYDROCHLORIC ACID	Liquid	Tankers-Raw material storage area	232.2371	232.2371	232.2371	Local supplier	Road transport
SULPHURIC ACID	Liquid	Drums- Raw Material Storage Area	108.180	108.180	108.180	Local supplier	Road transport


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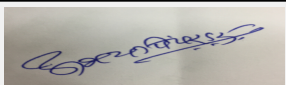
DMAS	Liquid	Drums- Raw Material Storage Area	36.696	36.696	36.696	Local supplier	Road transport
SEQUAPLEX 739	Liquid	Drums- Raw Material Storage Area	0.33103	0.33103	0.33103	Local supplier	Road transport
T.R.OIL	Liquid	Drums- Raw Material Storage Area	0.211925	0.211925	0.211925	Local supplier	Road transport
CAUSTIC	Liquid	Tankers-Raw material storage area	43.470	43.470	43.470	Local supplier	Road transport
CRUDE ACID VIOLET 43	Liquid	Drums- Raw Material Storage Area	18.750	18.750	18.750	Local supplier	Road transport
DMF	Liquid	Drums- Raw Material Storage Area	28.8750	28.8750	28.8750	Local supplier	Road transport
METAHNOL	Liquid	Drums- Raw Material Storage Area	3.530	3.530	3.530	Local supplier	Road transport
EBASA	Liquid	Drums- Raw Material Storage Area	34.317	34.317	34.317	Local supplier	Road transport
SODIUM NITRITE	Liquid	Tankers-Raw material storage area	0.577	0.577	0.577	Local supplier	Road transport
COLOUR	Liquid	Drums- Raw Material Storage Area	60.048	60.048	60.048	Local supplier	Road transport
Water/Sugar/Oil	Liquid	Bags/Drums- Raw Material Storage Area	55.260	55.260	55.260	Local supplier	Road transport
Dispersing agent	Liquid	Tankers-Raw material storage area	46.800	46.800	46.800	Local supplier	Road transport

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Two Nos.
Parking details:	Number and area of basement:	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	237.84 sq. m
	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:	Auto Rickshaw from 200 m the plant boundary
	Width of all Internal roads (m):	6 to 8 meters
	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	Dhatav Village 1.60 Km - SE
	Category as per schedule of EIA Notification sheet	'B'
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	26-04-2017

Brief information of the project by SEAC

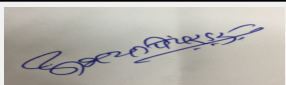
DECISION OF SEAC

PP submitted letter for grant of leave of absensee and requested to consider in next meeting. In view of request received from the PP, SEAC decided to defer the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION


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



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144 th Meeting of SEAC-1 (Day-1)

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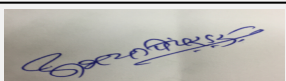
Subject: Environment Clearance for Installation of Induction Furnace to manufacture ingots, Billets etc.-18000MT/month Rolling Mill for hot rolled Long Products and TMT material 18000 MT/month

1.Name of Project	Installation of Induction Furnace to manufacture ingots, Billets etc.-18000MT/month Rolling Mill for hot rolled Long Products and TMT material 18000 MT/month
2.Type of institution	Private
3.Name of Project Proponent	M/s Grace Industries Limited.
4.Name of Consultant	Pollution & Ecology Control Services
5.Type of project	Industrial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	A - 30, Tadali Growth Centre MIDC, Tadali Chandrapur, Maharashtra
9.Taluka	Chandrapur
10.Village	Tadali
Correspondence Name:	Mr. Ajay Agrawal
Room Number:	NA
Floor:	NA
Building Name:	NA
Road/Street Name:	9, Imambada Road
Locality:	-
City:	Nagpur
11.Area of the project	Tadali Growth Centre MIDC
12.IOD/IOA/Concession/Plan Approval Number	The land has been leased out by MIDC to M/s Grace Industries
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 46549.65
13.Note on the initiated work (If applicable)	Not Applicable, work will be initiated after receipt of Environmental Clearance.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	172762 sq mt
16.Deductions	433.00 sq mt
17.Net Plot area	172329 sq mt
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.): 46549.65
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	487500000

22.Number of buildings & its configuration

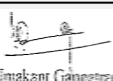
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	One Industrial Shed Area	Not applicable	20 mtrs

23.Number of tenants and shops Not applicable


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24.Number of expected residents / users	About 250 no. users including workers & staff.
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	20 m. MIDC road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Will be minimum 6 mt.
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	Ingots, Billets	-	18000	18000
2	Long Products and TMT material	-	18000	18000


32.Total Water Requirement

Dry season:	Source of water	MIDC
	Fresh water (CMD):	92
	Recycled water - Flushing (CMD):	6
	Recycled water - Gardening (CMD):	8
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	130
	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	MIDC
	Fresh water (CMD):	92
	Recycled water - Flushing (CMD):	6
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	122
	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	-	12	12	-	2.5	2.5	-	9.5	9.5
Industrial Process	-	40	40	-	10	10	-	30	30
Cooling tower & thermopack	-	70	70	-	70	70	-	0	0
Gardening	-	8	8	-	8	8	-	0	0

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	NA
	Size and no of RWH tank(s) and Quantity:	Will be elaborated in final EIA report
	Location of the RWH tank(s):	Will be elaborated in final EIA report
	Quantity of recharge pits:	5 nos
	Size of recharge pits :	3m X 3m X 3m Depth
	Budgetary allocation (Capital cost) :	150000
	Budgetary allocation (O & M cost) :	Rs. 10000/- per annum
	Details of UGT tanks if any :	Under ground water tank will be provided for fire fighting as per norms

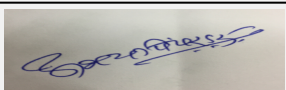

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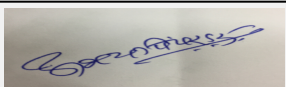
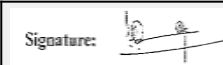
35.Storm water drainage	Natural water drainage pattern:	Storm water drain will be constructed around the plant area
	Quantity of storm water:	Will be elaborated in final EIA report
	Size of SWD:	Will be elaborated in final EIA report
Sewage and Waste water	Sewage generation in KLD:	9.5
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 & 12 KLD
	Location & area of the STP:	Within the Plot Area
	Budgetary allocation (Capital cost):	Rs. 25 Lacs
	Budgetary allocation (O & M cost):	Rs. 2.0 Lacs/ Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction waste debris
	Disposal of the construction waste debris:	Will be utilized in making of internal road
Waste generation in the operation Phase:	Dry waste:	Slag, Tail Cuttings & Fly Ash
	Wet waste:	NA
	Hazardous waste:	Used Oil
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Yes
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Slag will be used for Hardening of working area, internal road, brick manufacturers, Concreting and Tail Cuttings will be recycled and reused in the Induction Furnace. Fly ash will be sold to brick manufacturer.
	Wet waste:	Not applicable
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	Not applicable
	Area requirement:	Location(s):
Area for the storage of waste & other material:		About 1875 sq. m. will be reserved for storing slag, tail cutting and fly ash
Area for machinery:		NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA


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37. Effluent Characteristics							
Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)		
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
Amount of effluent generation (CMD):		30 KLD					
Capacity of the ETP:		30 KLD					
Amount of treated effluent recycled :		30 KLD					
Amount of water send to the CETP:		Not applicable					
Membership of CETP (if require):		Not applicable					
Note on ETP technology to be used		Settling tank will be constructed for treatment					
Disposal of the ETP sludge		Not applicable					
38. Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	NA	NA	NA	NA	NA	Secondary use and sale to 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	Induction Furnace	Electricity	1	30	1.6	50 degree Centigrade	
40. Details of Fuel to be used							
Serial Number	Type of Fuel	Existing	Proposed	Total			
1	Coal	-	1000 TPM	1000 TPM			
2	Electricity	-	20 MW	20 MW			
41. Source of Fuel		Electricity from CPP & MSEDCL and Coal from local suppliers					
42. Mode of Transportation of fuel to site		Coal by tarpaulin covered trucks					
43. Green Belt Development							
		Total RG area :	33 % of the total plot area				
		No of trees to be cut :	00				
		Number of trees to be planted :	600				
		List of proposed native trees :	Ashoka, Karanj, Mango, Guava, Neem				
		Timeline for completion of plantation :	NA				
44. Number and list of trees species to be planted in the ground							
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance			
1	Saraca asoca	Ashoka	100	Deciduous			
2	Millettia pinnata	Karanj	100	Semi-Deciduous			
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3	Mangifera indica	Mango	150	Semi-Deciduous
4	Psidium guajava	Guava	150	Semi-Deciduous
5	Azadirachta indica	Neem	100	Deciduous

45.Total quantity of plants on ground

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

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

47.Energy

Power requirement:	Source of power supply :	CPP & MSEDCL
	During Construction Phase: (Demand Load)	150 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	25 MW
	During Operation phase (Demand load):	20 MW
	Transformer:	Yes
	DG set as Power back-up during operation phase:	NA
	Fuel used:	Electricity & Coal, in entire process electricity is main fuel
	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:

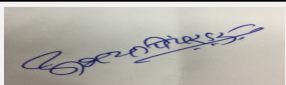
Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Induction Furnace and Rolling mill	Not applicable	Bag filters, Venturi Scrubbers


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

51.Environmental Management plan Budgetary Allocation



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a) Construction phase (with Break-up):							
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)				
1	Air Pollution	Particulate matter	Rs. 1.00 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 Control	Bag filters, Venturi Scrubbers	Rs. 30 Lac	Rs.3 Lac			
2	Water Pollution Control	STP & ETP	Rs.25 lac and Rs.10 Lac	Rs.2 lac and Rs.1 Lac			
3	Solid Waste Management	Handling and Disposing	Rs.10 lac	Rs.3 lac			
4	Green Belt	Plantation	Rs.5 Lac	Rs.0.5 Lac			
5	Environmental Monitoring	Air quality , Water and wastewater quality; Noise levels; Soil quality	--	Rs.5 Lac			
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
NA	NA	NA	NA	NA	NA	NA	NA
52.Any Other Information							
No Information Available							
53.Traffic Management							
Nos. of the junction to the main road & design of confluence:		The said plot is in MIDC area. The width of front of MIDC road is 20 Mtr					



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Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	17924.924 sqmt
	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:	40 to 45 trucks/day will be operated after commission of proposed unit for transportation of raw material and finished product
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	3 (a)
	Court cases pending if any	Not applicable
	Other Relevant Informations	Application for TOR
	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 3(a)B1 as per EIA Notification, 2006 for installation of Induction Furnace to manufacture ignots, Billets - 180000 MT/Month rolling mill for hot rolled long products and TMT material 18000 MT/Month . PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.</p> <p>Public hearing is applicable.</p>		
DECISION OF SEAC		


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

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


Specific Conditions by SEAC:

- 1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
- 2) PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, solid waste storage areas, parking areas, 33% green belt, rain water harvesting etc.
- 3) PP to include details of generation of solid waste like slag, ash etc. , its storage and disposal mechanism in the EIA report.
- 4) PP to submit On site emergency plan.
- 5) PP to conduct survey and prepare need base CSR.
- 6) PP to carry out life cycle analysis of the activities carried out on site with respect to the sustainability index, green house and ozone depletion potential, energy recovery and reuse etc.

FINAL RECOMMENDATION


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

SEAC-AGENDA-0000000040


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SEAC Meeting number: 144 Meeting Date November 17, 2017

Subject: Environment Clearance for Common User POL Terminal (Petroleum Storage) of IOT Infrastructure & Energy Services Limited at Village Borkhedi Railway District Nagpur

1.Name of Project	Common User POL Terminal (Petroleum Storage) of IOT Infrastructure & Energy Services Limited at Village Borkhedi Railway District Nagpur.
2.Type of institution	Private
3.Name of Project Proponent	IOT Infrastructure & Energy Services Limited
4.Name of Consultant	Ultra Tech
5.Type of project	Industrial Project
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	Mouza Borkhedi Railway, Tehsil - Rural Nagpur, District - Nagpur , Survey Nos. 108,112,113,120,121,122, 123,124,125,126/1, 126/2,127 & 130/2
9.Taluka	Nagpur Rural (Gramin)
10.Village	Borkhedi Railway
Correspondence Name:	IOT Infrastructure & Energy Services Limited
Room Number:	Plot Y2
Floor:	NA
Building Name:	Near Nahur railway Station
Road/Street Name:	Ceat Tyre Road
Locality:	Bhandup West
City:	Mumbai-400078
11.Area of the project	Nagpur Metropolitan Area
12.IOD/IOA/Concession/Plan Approval Number	Terminal will be PESO approved IOD/IOA/Concession/Plan Approval Number: PESO Approval Number: A/P/HQ/MH/15/7202(P400199) Approved Built-up Area: 15533
13.Note on the initiated work (If applicable)	Not Applicable, work will be initiated after receipt of Environmental Clearance .
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Collector NOC & approval from Chief Controller of Explosives (Petroleum & Explosives Safety Organization)
15.Total Plot Area (sq. m.)	56.43 Acres
16.Deductions	NA
17.Net Plot area	56.43 Acres
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.): 00
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	2790000000


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


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23.Number of tenants and shops	Not applicable
24.Number of expected residents / users	About 80-90 nos. users including workers and visitors
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	20 m NH-7
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Available
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	HSD	-	38495 KL	38495 KL
2	MS	-	15950 KL	15950 KL
3	ATF	-	15116KL	15116KL
4	FO	-	10026 KL	10026 KL
5	SKO	-	5140 KL	5140 KL
6	LDO	-	5140 KL	5140 KL
7	Ethanol	-	4670 KL	4670 KL
8	Biodiesel	-	1190 KL	1190 KL

32.Total Water Requirement



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Dry season:	Source of water	Ground water
	Fresh water (CMD):	30 KL
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	30 KL
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	9358 KL
	Excess treated water	Not applicable
Wet season:	Source of water	Ground Water
	Fresh water (CMD):	30 KL
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	30 KL
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	9358 KL
	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	30	30	00	20	20	00	10	10


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	8.65 m (SWL)
	Size and no of RWH tank(s) and Quantity:	04, 36 cum
	Location of the RWH tank(s):	N-W, W, E & S towards low terrain
	Quantity of recharge pits:	4 Nos
	Size of recharge pits :	As per requirement of CGWA
	Budgetary allocation (Capital cost) :	Rs. 10,00,000/-
	Budgetary allocation (O & M cost) :	Rs. 25,000/- per annum
	Details of UGT tanks if any :	MS -UG Tank - 50 KL Ethanol - 2 UG tank - 70 KL each HSD - UG Tank - 50 KL SKO - UG Tank - 50 KL Bio Diesel - UG Tank - 70 KL FO - UG Tank - 50 KL ATF-50 KL LDO UG Tank - 50 KL
35.Storm water drainage		
	Natural water drainage pattern:	The storm water drains are intercepted at strategic locations
	Quantity of storm water:	1036 cum / 15 minutes
	Size of SWD:	0.35M X 0.5M X 0.5M
Sewage and Waste water		
	Sewage generation in KLD:	25 KLD
	STP technology:	Package type STP
	Capacity of STP (CMD):	1 no. 30 KLD
	Location & area of the STP:	Within plot area
	Budgetary allocation (Capital cost):	Rs.20 lacs
	Budgetary allocation (O & M cost):	Rs. 2.00 lacs per annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction waste, debris, Metal Chips (Negligible)
	Disposal of the construction waste debris:	debris will be used in road makind and metal chips will be sold to authorized vendor
Waste generation in the operation Phase:	Dry waste:	NA
	Wet waste:	Domestic waste
	Hazardous waste:	Oily Sludge, Used oil, grease and empty drums, used paint containers and other metallic containers
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Yes
	Others if any:	No
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Mode of Disposal of waste:	Dry waste:	NA
	Wet waste:	NA
	Hazardous waste:	Disposed of through registered vendors approved by MPCB as per Hazardous Waste (Management, Handling & Trans-boundary Movement) Rules, 2008 & subsequent amendments.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	NA
Area requirement:	Location(s):	Within plant area
	Area for the storage of waste & other material:	200 sq.m.
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	1 Lac PA

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		OWS capacity 2 x 150 Cum/Hr			
Amount of treated effluent recycled :		As recovered from OWS			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		Oil Water Separator			
Disposal of the ETP sludge		Through MPCB authorised vendor			


38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Oil containing cargo residue, sludge	3.1	MT / A	NA	10	N	Disposed of through registered vendors approved by MPCB as per Hazardous Waste (Management, Handling & Trans-boundary Movement) Rules, 2008 & subsequent amendments


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2	Discarded containers / Barrels	33.3	Pcs / A	NA	100	N	Disposed of through registered vendors approved by MPCB as per Hazardous Waste (Management, Handling & Trans-boundary Movement) Rules, 2008 & subsequent amendments
3	Used/ Spent Oil	5.1	KL / A	NA	1.8	N	Disposed of through registered vendors approved by MPCB as per Hazardous Waste (Management, Handling & Trans-boundary Movement) Rules, 2008 & subsequent amendments

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	Engine driven fire fighting pumps	HSD	3	10	0.2	100-200
2	DG sets	HSD	3	10	0.2	100-200

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	NA	100 Litres / Day	100 Litres / Day
2	Electricity	NA	2237 KVA	2237 KVA


41.Source of Fuel Fuel for DG set will be brought in Barrels.

42.Mode of Transportation of fuel to site Transported through truck

43.Green Belt Development	Total RG area :	26497Sqm
	No of trees to be cut :	250-300 trees to be cut including shrubs, possibility will be explored to replant these trees either along with compound wall and or avenue plantation. If any tree has to be cut then three plant will be plant for one cut tree.
	Number of trees to be planted :	1600 trees per hector will be planted in consultation with the local forest department.
	List of proposed native trees :	Ashoka, Pipal, Gulmohar, Neem, Acacia, Peltophorum
	Timeline for completion of plantation :	NA


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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	SaracaAsoca	Ashoka	600	Evergreen, Tall
2	Azardirectaindica	Neem	200	Evergreen, Tall


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3	Delomix Regia	Gulmohar	200	Deciduous, Large
4	Ficus religiosa	Pipal	100	Deciduous, Semi evergreen
5	Peltophorum	Peltophorum	500	Evergreen, Tall

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 KVA approx.
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	2237 KW
	During Operation phase (Demand load):	2028 KVA
	Transformer:	1 Nos 1600 KVA & 1 Nos 1000 KVA
	DG set as Power back-up during operation phase:	2 Nos 750 KVA & 1 Nos 600 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	2 Nos

48.Energy saving by non-conventional method:

Variable frequency drives, LED lights in buildings.


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
Loading and unloading operation	NA	VAPOUR RECOVERY UNIT,
Oily Water	NA	Oil Water separator

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


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51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Pollution Control	PM10, PM 2.5	2.00

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	Vapour recovery Unit	870	7.00
2	Water Pollution	Oil Water Separator	200	2.00
3	Noise Pollution	Green belt, Ear muff/plug	10	1.00
4	Solid waste Management	Out source	10	1.50
5	EMP Plan	Out Source	5	2.00

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
HSD	Proposed	Within Premises	38495KL	38495KL	NA	NA	By rail / Tank truck
MS	Proposed	Within Premises	15950KL	15950KL	NA	NA	By rail / Tank truck
ATF	Proposed	Within Premises	15116KL	15116KL	NA	NA	By rail / Tank truck
FO	Proposed	Within Premises	10026KL	10026KL	NA	NA	By rail / Tank truck
SKO	Proposed	Within Premises	5140KL	5140KL	NA	NA	By rail / Tank truck
LDO	Proposed	Within Premises	5140KL	5140KL	NA	NA	By rail / Tank truck
Ethanol	Proposed	Within Premises	4670 KL	4670 KL	NA	NA	By rail / Tank truck
Biodiesel	Proposed	Within Premises	1190 KL	1190 KL	NA	NA	By rail / Tank truck

52.Any Other Information

No Information Available


53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	One & As per NHAI norms
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	4.1 Acers
	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:	200 to 220 trucks/day will be operated after commissioning of proposed unit for transportation.
	Width of all Internal roads (m):	6.0 m
	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	Category B1 6(b)
	Court cases pending if any	NA
	Other Relevant Informations	Public Hearing proceedings and Annexures are incorporated in EIA Report.
	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 6(b)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 in the 119th meeting of SEAC-1 held on 15th to 16th January ,2016 wherein ToR was granted.</p> <p>Now PP submitted EIA/EMP report for appraisal.</p>		
DECISION OF SEAC		


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After detailed deliberations with the PP and his accredited consultant SEAC decided to defer the proposal till PP submits compliance of following points,

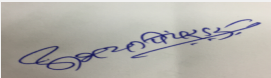
Specific Conditions by SEAC:

- 1) PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.
- 2) PP to submit copy of contour map of the site.
- 3) PP to submit plan layout showing 33% green belt.
- 4) The baseline data shows few parameters are exceeding the limits; PP to submit its reason and proposed mitigation measures.
- 5) PP to carry out VOC monitoring for baseline data and include the same in the EIA report.
- 6) PP to propose rain water harvesting and submit its design details along with details of storm water drain.
- 7) PP to submit details of hazardous waste generation like tank bottom waste etc, its collection, storage and disposal mechanism.
- 8) PP to provide Sewage Treatment Plant for treatment of domestic sewage and submit its details.
- 9) PP to provide Lightening arrestor.
- 10) PP to submit an undertaking for keeping reserve water required for fire fighting all the time on the site.
- 11) It was observed that PP has not submitted point wise compliance of points raised by SEAC in their 119th meeting as additional ToR. PP to submit point wise compliance of the same.

FINAL RECOMMENDATION


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

SEAC-AGENDA-00000000000000000000


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144 th Meeting of SEAC-1 (Day-1)

SEAC Meeting number: 144 Meeting Date November 17, 2017


Subject: Environment Clearance for M/s. Pratap Organics Pvt. Ltd. at Plot No. K-6, Additional Mahad Industrial Area, Taluka Mahad, District Raigad, Maharashtra.

1.Name of Project	Manufacturing of Pharma Intermediates
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mohan Shinde - Director
4.Name of Consultant	Green Circle, Inc.
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-6, Additional Mahad Industrial Area, Taluka Mahad, District Raigad, Maharashtra.
9.Taluka	Mahad
10.Village	Kalij
Correspondence Name:	Mr. Mohan Shinde
Room Number:	Plot No. C-481/4,5&6,
Floor:	NA
Building Name:	M/s. Pratap Organics Pvt. Ltd.
Road/Street Name:	MIDC land, TTC Industrial area, Thane-Belapur road
Locality:	Pawane Village, MIDC
City:	Navi Mumbai
11.Area of the project	Additional Maharashtra Industrial Development Corporation (MIDC) Mahad
12.IOD/IOA/Concession/Plan Approval Number	NA IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 00
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.)	40002
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.): 00
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	135000000

22.Number of buildings & its configuration


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

23.Number of tenants and shops	Not applicable
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24.Number of expected residents / users	Not applicable
25.Tenant density per hectare	Not applicable
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	9 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	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	Hydrocarbons and their derivatives	-	50	50
2	Ketones, Aldehydes, Acetals and their derivatives	-	50	50
3	Amines and their derivatives	-	50	50
4	Phenols, alcohols and their derivatives	-	50	50
5	Acids and their derivatives	-	50	50
6	Heterocycles	-	50	50
7	Various Acids (By-Product)	-	166.666	166.666
8	Aluminum Chloride solution (By- Product)	-	441.66	441.66
9	Ketone Isomers (By-Product)	-	14.166	14.166
10	Distilled Solvent (By-Product)	-	133.33	133.33
11	Sodium Bromide Solution (By- Product)	-	250	250

32.Total Water Requirement


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Dry season:	Source of water	MIDC water supply/Tanker water
	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	MIDC water supply/Tanker water
	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	4	4	0	0.8	0.8	0	3.2	3.2
Industrial Process	0	60	60	0	1.2	1.2	0	58.8	58.8
Gardening	0	4	4	0	4	4	0	0	0
Cooling tower & thermopack	0	27	27	0	21.52	21.52	0	5.48	5.48


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Fresh water requirement	0	95	95	-	-	-	-	-	-
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	5.0 to 6.0 m bgl
	Size and no of RWH tank(s) and Quantity:	1 tank x 300 m3
	Location of the RWH tank(s):	UG
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 6 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 0.5 Lakhs
Details of UGT tanks if any :	Water storage: 1 No. x 300 m3 firewater tank and 1 No. x 300 m3 water tank Solvent storage tanks: 8 Nos. x 16 KL Solvents to be stored - Benzene, Methanol, Isopropyl alcohol, Toluene, Methylene dichloride	

35.Storm water drainage	Natural water drainage pattern:	The industry is located in Mahad MIDC area where all the facilities are available by MIDC. The land is having gentle slope.
	Quantity of storm water:	0.148 m3/sec
	Size of SWD:	2.5 m x 1.5 m

Sewage and Waste water	Sewage generation in KLD:	3.2
	STP technology:	Soak pit
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction debris, Waste concrete, metallic waste, plastics, broken bricks etc.
	Disposal of the construction waste debris:	Construction debris, Waste concrete and broken bricks will be utilized in low-land leveling, secondary concrete, below roads. Some quantity of Excavation soil will be use for back-filling and remaining will be hand over to authorized vendor.

Waste generation in the operation Phase:	Dry waste:	Empty drums, Carboys, Paper waste, Empty bags etc.
	Wet waste:	Hazardous wet waste like ETP Sludge etc.
	Hazardous waste:	Used oil, Spent catalyst, Distillation residue, Used drums and ETP Sludge, Used Filters/ Filters Cloths and Materials etc.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA


Mode of Disposal of waste:	Dry waste:	Sale to authorized vendors/Recyclers
	Wet waste:	Sent to the CHWTSDF site
	Hazardous waste:	Sale to MPCB approved vendors/Sent to CHWTSDF
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	Near ETP area
	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	-	4 - 5	5.5 - 9	5.5 - 9
2	COD	mg/L	1000 - 1200	Less Than 250	250 mg/L
3	BOD	mg/L	30 - 40	Less Than 30	30 mg/L
4	NH4+ - N	mg/L	50-100	Less Than 50	50 mg/L
5	Oil & Grease	mg/L	5 - 10	Less Than 10	10 mg/L
6	TDS	mg/L	1500 - 2000	Less Than 2000	2100 mg/L
Amount of effluent generation (CMD):		64.28			
Capacity of the ETP:		75 KLD			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		64.28 KLD			
Membership of CETP (if require):		Membership of CETP will be obtained after getting environmental Clearance.			
Note on ETP technology to be used		Conventional ASP treatment			
Disposal of the ETP sludge		Sent to CHWTSDF site for disposal			


38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Distilled residues	28.1	MTPA	NA	25	25	Will be sold to MPCB approved dealer
2	Used Drums	33.1	Nos./year	NA	2000	2000	Will be sold to MPCB Approved recycler/processor
3	ETP Sludge	35.3	MTPA	NA	25	25	Will be disposed to CHWTSDF
4	Used Filters/ Filters Cloths and Materials	35.1	MTPA	NA	4	4	Will be disposed to CHWTSDF
5	Spent Catalyst	28.2	MTPA	NA	30	30	Will be sold to MPCB Approved dealer


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6	Used Oil	5.1	L/year	NA	200	200	Will be sold to MPCB authorized vendor
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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 & 2 Nos. x 3 TPH	FO - 420 kg/ Hr	1	35	1.0	220°C
2	Thermic Fluid Heater & 4 Nos. x 10 lakh kCal/hr	FO - 520 kg/hr	2	35	1.0	220°C
3	D G Set & 2 Nos. x 500 KVA	Diesel - 45 L/hr each	3 & 4	Separate stack of 5 m above building height	0.350	100 °C
4	Common gas vent scrubber & 1000 CFM	NA	5	5	0.450	Ambient
5	HCL Gas Absorber & 200 Kg/hr	NA	6	5	0.350	Ambient


40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	-	45 L/hr each DG Set of 500 KVA	45 L/hr each DG Set of 500 KVA
2	Furnace Oil	-	940 kg/hr	940 kg/hr
41.Source of Fuel		Local Market		
42.Mode of Transportation of fuel to site		Road Transport		

43.Green Belt Development	Total RG area :	13201 Sq. m
	No of trees to be cut :	NA
	Number of trees to be planted :	250
	List of proposed native trees :	Kadamb, Ashok, Bakul, Bahava etc.
	Timeline for completion of plantation :	2 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Hyophorbe lagenicaulis	Bottle Palm	5	Flowering Plant
2	Saraca asoka	Ashok	40	Shady tree with red-yellow flowers.
3	Mangifera indica	Mango	20	Fruit Tree Evergreen & bird attracting tree
4	Azadirachta indica	Neem	50	Semi-evergreen tree with medicinal value


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5	Cassia fistula	Bahava	20	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
6	Mimusops elengi	Bakul	20	Shady tree, small white fragrant flowers
7	Nyctanthes arbor-	Parijatak	10	Small deciduous fast growing tree, beautiful flowers
8	Bauhinia racemosa	Apta	10	Small tree with small white flowers, Butterfly host plant
9	Bombax ceiba	Kate sawar	10	Large deciduous tree. Flowers attract many birds.
10	Anthocephallus	Kadamb	35	Shady, large deciduous tree, fastgrowing graceful tree, ball shaped flowers.
11	Michelia champaca	Son chafa	15	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
12	Albizia lebbeck	Shirish	15	Medicinal for Skin, Fragrant flowers, To control soil erosion, Bird attracting species (Para kids eat seeds)
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 KVA
	DG set as Power back-up during construction phase	2 Nos. x 500 KVA
	During Operation phase (Connected load):	2000 KVA
	During Operation phase (Demand load):	2000 KVA
	Transformer:	500 KVA
	DG set as Power back-up during operation phase:	2 Nos. x 500 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:


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- ? Purchase of energy efficient appliances.
- ? Constant monitoring of energy consumption and defining targets for energy conservation.
- ? Adjusting the settings and illumination levels to ensure minimum energy used for desired comfort levels.
- ? Condensate will be recovered and will send back to boiler.
- ? Proper temperature controls will be provided to reduce load on heating systems.
- ? Proper load factor will be maintained by the company.
- ? Company will adopt good maintenance practices and will maintain good housekeeping which will help in better illumination levels with least number of fixtures.
- ? On most of roofs transparent acrylic sheets will be provided to use day light and to stop use of lights during day time.
- ? LED lamps will be provided, wherever applicable.
- ? To the extent possible and technically feasible, energy efficient equipment will be selected.
- ? Gravity flow will be preferred wherever possible to save pumping energy.
- ? Recycling of water will done.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems


Source	Existing pollution control system	Proposed to be installed
Air emission - Process vents & flue gas stacks	NA	Adequate Stack Height will be provided for Flue gas and Scrubber will be provided for process gaseous emissions
Wastewater - Domestic use & Industrial Use	NA	Sewage will be disposed off into soakpit & Industrial effluent will be treated into ETP & treated waste water shall be sent to CETP for the further treatment
Noise - Process area, ETP area, Boiler area	NA	The Boiler would be kept in an isolated area to have the ambient noise level as per CPCB standards. The workers would be provided with proper personal protective equipment (PPE) such as ear plugs, ear muffs etc. The DG sets would be enclosed in canopy as well as silencer.
Solid Waste	NA	Sale/ disposal to CHWTSDF

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	Dust suppression	Water sprinkling, dust mask	1.0
2	Green Belt development	Tree plantation	1.5
3	Solid waste management facility	Solid waste collection and disposal facility	1.5
4	Environment Monitoring	Monitoring charges of Air, water, noise	0.5
5	Occupational Health	Health check-up, PPEs	0.5


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b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	Stacks for Boiler, Thermic fluid heater	5.0	1.25
2	Water Pollution Control	ETP	20.0	7.0
3	Noise Pollution Control	Acoustic enclosures	2.0	0.75
4	Environment Monitoring and Management	Environmental Monitoring of Air, water, noise	-	0.5
5	Occupational Health	Health Check-up of workers, Provision of First-aid medical facility, Provision of PPEs to workers	3.0	1.0
6	Rain Water Harvesting	Construction work for RWH tanks	6.0	0.5
7	Green Belt	Development of trees, Green area	2.0	1.0
8	Solid waste management	Disposal System for Solid waste and Membership from CHWTSDF	1.5	0.5
9	CSR Activity	CSR works	10.0	-


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
Benzene	Liquid	Tank - SS	16	16	35	Local Market	Road Transport
Benzyl Chloride	Liquid	Drum - HDPE	20	NA	47	Local Market	Road Transport
Aluminum Chloride	Liquid	Drum - HDPE	5	2	1.5	Local Market	Road Transport
Acid	Liquid	Tank - HDPE	20	20	1.5	Local Market	Road Transport
Ester	Liquid	Drum - HDPE	15	NA	30.6	Local Market	Road Transport
Bromine	Liquid	Bottle - Glass	5	NA	57	Local Market	Road Transport
Alcohol	Liquid	Tank - SS	16	16	110	Local Market	Road Transport
Caustic	Solid	Bags	15	5	27.8	Local Market	Road Transport
Benzophenone	Solid	Bags	20	2	54.4	Local Market	Road Transport


Abhay Pimparkar (Secretary SEAC-I)

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

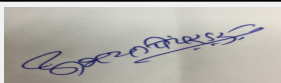
Ammonium formate	Solid	Bags	5	NA	95.6	Local Market	Road Transport
Acid	Liquid	Tank - HDPE	20	20	150	Local Market	Road Transport
4-Chlorobenzophenone	Solid	Drum - HDPE	10	5	50	Local Market	Road Transport
Sodium Borohydride	Solid	Drum - HDPE	2	1	2.75	Local Market	Road Transport
Methanol	Liquid	Tank - SS	16	16	45	Local Market	Road Transport
Benzene	Liquid	Tank - SS	16	16	50	Local Market	Road Transport
γ-Butyrolactone	Liquid	Drum - HDPE	5	NA	35	Local Market	Road Transport
Aluminum Chloride	Solid	Drum - HDPE	5	2	73.5	Local Market	Road Transport
Acid	Liquid	Tank - HDPE	20	20	52.4	Local Market	Road Transport
Cetz 3	Liquid	Drum - HDPE	5	3	44	Local Market	Road Transport
Piperazine	Solid	Drums - Fibre board	5	2	67.25	Local Market	Road Transport
Solvent (T)	Liquid	Tank - SS	20	20	136.4	Local Market	Road Transport
Acid	Liquid	Drum - HDPE	5	2	22.8	Local Market	Road Transport
NaOH	Solid	Bags	15	15	17.5	Local Market	Road Transport

52. Any Other Information

No Information Available

53. Traffic Management

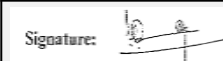
Nos. of the junction to the main road & design of confluence:	Two Nos.
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	4800 sq. m
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	Auto Rickshaw from 500 m of plant boundary
	Width of all Internal roads (m):	9 m, 7.5 m & 6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	'B' Category, schedule 5(f)
	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

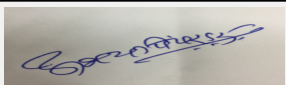
DECISION OF SEAC

PP submitted letter for grant of leave of absensee and requested to consider in next meeting. In view of request received from the PP, SEAC decided to defer the proposal.

Specific Conditions by SEAC:


FINAL RECOMMENDATION

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


Abhay Pimparkar (Secretary SEAC-I)

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